



## **Bibliography of *Dreissena polymorpha* (Zebra Mussels) and *Dreissena rostriformis Bugensis* (QUAGGA Mussels): 1989 to 2011**

Authors: Schloesser, Don W., and Schmuckal, Christine

Source: Journal of Shellfish Research, 31(4) : 1205-1263

Published By: National Shellfisheries Association

URL: <https://doi.org/10.2983/035.031.0432>

---

BioOne Complete ([complete.BioOne.org](https://complete.BioOne.org)) is a full-text database of 200 subscribed and open-access titles in the biological, ecological, and environmental sciences published by nonprofit societies, associations, museums, institutions, and presses.

Your use of this PDF, the BioOne Complete website, and all posted and associated content indicates your acceptance of BioOne's Terms of Use, available at [www.bioone.org/terms-of-use](https://www.bioone.org/terms-of-use).

Usage of BioOne Complete content is strictly limited to personal, educational, and non - commercial use. Commercial inquiries or rights and permissions requests should be directed to the individual publisher as copyright holder.

---

BioOne sees sustainable scholarly publishing as an inherently collaborative enterprise connecting authors, nonprofit publishers, academic institutions, research libraries, and research funders in the common goal of maximizing access to critical research.

## BIBLIOGRAPHY OF *DREISSENA POLYMORPHA* (ZEBRA MUSSELS) AND *DREISSENA ROSTRIFORMIS BUGENSIS* (QUAGGA MUSSELS): 1989 TO 2011

DON W. SCHLOESSER\* AND CHRISTINE SCHMUCKAL

U.S. Geological Survey, Great Lakes Science Center, Ann Arbor, MI 48105

**ABSTRACT** Dreissenid mussels invaded and colonized waters of the Laurentian Great Lakes during the late 1980s. Their colonization and resulting impact have been characterized as one of the most important ecological changes in freshwater systems in North America. The need for information on dreissenid mussels has grown during the past 2 decades, which has prompted the compilation of this bibliography. Two previous bibliographies of dreissenid mussels indicate average publication rates were 6 publications/year between 1771 and 1964 (1,180 in 194 y) and 30 publications/year between 1964 and 1993 (885 in 30 y). In the current bibliography, the average rate of publication doubled during the past 23 y (1989 to 2011) to 66 publications/year based on a total of 1,502 publications. These rates may be biased by increased numbers of researchers and journals over time but, at a minimum, these rates indicate continued interest and concern by humans about the impact of dreissenid mussels on water availability and the expanding range of dreissenids throughout the world. The current bibliography has a 94% efficiency rate for subject and 100% efficiency for title search criteria when compared with references in published studies of dreissenid mussels in 2011. In addition to publications, we included 206 student theses and 225 chapters in 26 books including 6 books devoted solely to dreissenid mussels. A vast majority of student theses were about dreissenid mussels in North America, especially in the Laurentian Great Lakes. The 6 books devoted to dreissenid mussels contained a variety of chapters that described biology, impact, control, and ecology of dreissenid mussels in both Europe (published in 1992 and 2010) and North America (1993, 1994, 1997, and 2000). In addition, there is a 7th book devoted solely to dreissenid mussels that is near completion.

**KEY WORDS:** zebra mussels, quagga mussels, dreissenid, bibliography, databases, *Dreissena polymorpha*, *Dreissena rostriformis bugensis*

### INTRODUCTION

In the late 1980s, zebra mussels, *Dreissena polymorpha*, and quagga mussels, *Dreissena rostriformis bugensis* (Fig. 1), were transported from the European continent and became established in the Laurentian Great Lakes of North America (Hebert et al. 1989). Zebra mussels quickly became abundant enough to become a social menace because of their visibility and ability to attach to and foul structures, which caused water withdrawal problems for drinking-water facilities, electric power plants, marinas, and industries (Nalepa & Schloesser 1993). In addition, mussels colonized the surfaces of all solid structures in the water, which created nuisances for boaters, fishermen, beach visitors, and water navigators (Nalepa & Schloesser 1993). During the early 1990s, shortly after zebra mussels became generally known to the public, quagga mussels were recognized to have similar nuisance abilities as zebra mussels but greater ecological impact than zebra mussels. These 2 mussels, together, have been called one of the most important ecological threats to freshwaters in North America (Pollick in press).

The need for scientific information about the biology, impact, control, and ecology of zebra mussels in North America was evident during the early 1990s. In response to this need, Schloesser et al. (1994) compiled a bibliography of *Dreissena polymorpha* (885 between 1964 to 1993) in waters of Europe and Russia. Compilation of this bibliography was difficult and, although valuable, had limited use because many publications were not in English and had been based on studies of dreissenid mussels in Europe and Russia (Schloesser et al. 1994). However, this 1994 bibliography was much more accessible by English-speaking researchers and managers than earlier bibliographies

published in Russian by Limanova in 1964 (1,180 between 1771 to 1964) and translated into English in 1968, and another bibliography by Limanova in 1978 (unknown number), which is believed to be available only in Russian (Schloesser et al. 1994). All 3 of these bibliographies undoubtedly contained large amounts of information that could be valuable to researchers and managers who want to understand and control dreissenid mussels.

As predicted 20 y ago, the need to obtain information about zebra mussels in North America has increased (Schloesser et al. 1994). This need to understand and control zebra mussels increased dramatically during the early 2000s, when a genetically similar dreissenid mussel, the quagga mussel (*Dreissena rostriformis bugensis*), impacted the ecology of the Laurentian Great Lakes dramatically and spread to the western half of the United States (Benson in press). In addition, the need for regional impact studies became evident because dreissenid mussels in North America exhibited different behavior than those in Europe and Russia.

The current bibliography includes publications between 1989 and 2011 and was compiled to provide researchers, managers, and water users with a bibliography to help understand and manage dreissenid mussels, especially in North America. The temporal overlap (1989 to 1993) between the bibliography of Schloesser et al. (1994) (1964 to 1993) and the current bibliography (1989 to 2011) was included primarily because the first publication to include zebra mussels found in North America was published in 1989, but was not included in the bibliography of European and Russian literature compiled by Schloesser et al. (1994) (Hebert et al. 1989). Although the current bibliography emphasizes studies published in English about dreissenid mussels in North America, a few non-English-language publications may be included because it is not always evident in which language the main body of text is printed based on electronic searches.

\*Corresponding author. E-mail: dschloesser@usgs.gov  
DOI: 10.2983/035.031.0432

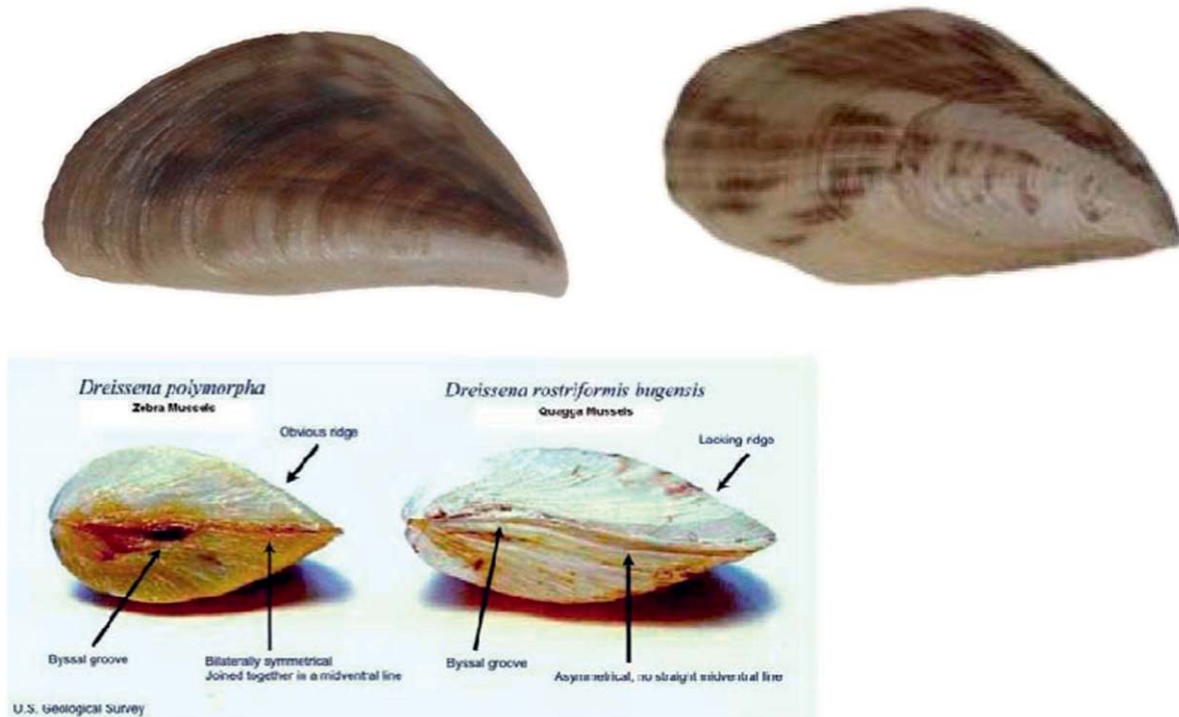


Figure 1. Typical shell morphology of zebra mussels, *Dreissena polymorpha* (left), and quagga mussels, *Dreissena rostriformis bugensis* (right), from Pavlova (in press) and the U.S. Geological Survey.

#### METHODS

This bibliography is a compilation of several literature searches in pertinent computerized databases of companies that index thousands of scholarly journals, books, reports, proceedings, and open-access journals that meet strict criteria (Testa 2011). Scientific and common names of both species and dreissenid mussels, in various configurations, were searched in title fields to ensure the resulting references would contain substantial information about dreissenid mussels. The focused search of names in titles was done to reduce inclusion of many publications that only mention dreissenid mussels in an introduction and/or discussion. For example, the focused search allowed elimination of studies that only mentioned dreissenid mussels as responsible agents of observed changes (e.g., reduction of phytoplankton) and often contained no data about dreissenid mussels. Searches for listings spanned a period of 23 y, 1989 to 2011, except for these, which included the years 1950 through 2011. Student theses were obtained from title searches of a commercial theses database and from the database of a worldwide library cooperative.

Results of searches were reviewed for content and duplication. References that contained obvious errors were deleted (e.g., duplications attributed to abbreviated journal titles vs. non-abbreviated journal titles, full author names vs. abbreviated author names). Databases can detect duplication of exact records but not inaccuracies in basic information such as variations of spelling and abbreviations. In addition, manual searches of books and personal records (e.g., D. W. S.) were included, and a call for missed publications was extended to researchers knowledgeable about dreissenid literature (e.g., book contributors to Nalepa and Schloesser (in press)). Studies that contained substantial information on dreissenid mussels were included as

a result of this method, but they accounted for about 5% of compiled listings.

The current bibliography contains few references from online-only publications. At the time of this compilation, not many online-only journals meet the high standards of companies that produce electronic databases (e.g., Testa 2011). Although we recognize electronic publication as a growing source of scientific information, we did not attempt to include exhaustively electronic-only journals because indexing companies add past journal articles slowly to databases. For example, searches of 1 database based on total and processed/included dates indicated that in 1 y, about 4% more publications, published in earlier years, were added to the database. This 4% represents older publications that had been added to the database. When databases include more older publications, and a greater number of online-only journals establish prominence in online databases, we believe a bibliography needs to be compiled with inclusion of digital-object identifier numbers. Only time will tell whether traditional bibliographies like the current one will become less useful and inefficient compared with electronic searches.

Efficiency of this bibliography was evaluated by comparing the occurrence of references in published studies and their occurrence as listings in the bibliography. Seven publications with dreissenid mussels in the title were used to check the efficiency of the current bibliography. Individual publications occurred in 7 individual journals published in 2011. Publications were read and references used to cite studies of dreissenid mussels were cross-checked against the current bibliography to determine the number of references found in publications and this bibliography. Only studies published between 1989 and 2011 were included in reference searches of the 7 publications.

## RESULTS AND CONCLUSIONS

The current bibliography contains 1,932 listings. Of these listings, 1,502 were published studies comparable with previous bibliographies by Schloesser et al. (1994) and Limanova (1964). In addition, our search included 206 student theses and 225 chapters in 26 books. Of the 26 books, 6 were devoted solely to zebra mussels. In addition, but not included in the current bibliography, there is a 7<sup>th</sup> book in press (Nalepa and Schloesser) that includes 44 chapters on zebra and quagga mussels. Previous bibliographies did not, for the most part, include theses and books that are included in the current bibliography.

Based on the current bibliography, we believe the rates of publication about dreissenid mussels increased after their discovery and spread in North America. Although an extensive effort to overcome language and publication methods of earlier listings is needed to verify this theory, bibliographies indicate that the annual rate of publication between 1771 and 1964 was about 6 publications/year (1,180 in 194 y), between 1964 and 1993 was about 32 publications/y (885 in 30 y), and between 1989 and 2011 was about 66 publications/y (1,502 in 23 y) (Limanova 1964, Schloesser et al. 1994). These rates may be biased by increased numbers of researchers and journals during the past 250 y. However, at a minimum, these rates indicate continued interest and concern by humans about water availability and the expanding range of dreissenids throughout the world.

Efficiency of the current bibliography to include references of dreissenid mussels in 7 published studies in 2011 was relatively high (Table 1). Overall, 162 of 172 (94%) references in the 7 publications were included in the bibliography. Only 10 of 172 (3%) references about dreissenid mussels were not found in the current bibliography. Of the 10 references not found in this bibliography, 7 were not about dreissenid mussels, but contained information about mussels the authors used to relate to the subject of the study (e.g., plankton impacted by dreissenid mussels). The 3 remaining references not found in the bibliography were expected to be in the bibliography because they contained reference to mussels (not specifically dreissenid mussels) in the titles. However, these articles did not contain the search words used to compile the bibliography. Instead, the articles used the words "filter feeding mussels," which did refer to dreissenid mussels in the articles. As a result of this careful evaluation, we believe the current bibliography has a 94% efficiency to detect references to the subject of dreissenid mussels and 100% efficiency to detect key words contained in title searches.

In addition to published studies, our search included 206 student theses and 225 chapters in 26 books. Of the 206 theses (1950 to 2011), 195 were published between 1989 and 2011 (99%), and a large majority (74%) of them were from schools located adjacent to a shore of the Laurentian Great Lakes, whereas only 21% were from institutions not located adjacent to a shore of the Great Lakes. Only 5% of theses were from institutions in Europe. Of the 26 books, 6 books were devoted solely to zebra mussels and they contained 173 chapters; 1 book in 1992 (20 chapters), 1 book in 1993 (47 chapters), 2 books in 1994 (16 chapters and 7 chapter, respectively), and 1 book in 1997 (42 chapters) and 2010 (41 chapters). The first 2 books (Neumann & Jenner 1992, Nalepa & Schloesser 1993) contained a total of 67 chapters devoted to zebra mussels and were published shortly after zebra mussels were discovered in the Great Lakes in 1988 (Hebert et al. 1989). The only nonedited

TABLE 1.

Numbers of references (1993 to 2011) based on the subject of dreissenid mussels present and not present in 7 scientific journals published in 2011.

Journal	In bibliography (n)	Not in Bibliography (n)
<i>Aquatic Ecosystem Health and Management</i>	12	0
<i>Canadian Journal of Fisheries and Aquatic Sciences</i>	26	4
<i>Ecosphere</i>	38	1
<i>Environmental Toxicology and Chemistry</i>	19	1
<i>Freshwater Biology</i>	23	2
<i>Journal of Great Lakes Research</i>	19	1
<i>Journal of the North American Benthological Society</i>	25	1
Total	162	10

book, written by Claudi and Mackie (1994), was also published shortly after zebra mussels were found in the Great Lakes and is the only book devoted to the control of mussels in water facilities. Three other books devoted to zebra mussels contain 99 chapters devoted primarily to the ecology of mussels in the Great Lakes (Starobogatov 1994, D'itri 1997) and Europe (van der Velde et al. 2010). In addition, there were 46 chapters in a total of 15 other books not devoted to zebra mussels that included data about mussels. No books published before 1992 were devoted specifically to dreissenid mussels. These results indicate that the majority of theses, books, and book chapters about zebra mussels were written after mussels colonized the Laurentian Great Lakes.

The abundance of publications about dreissenid mussels in the Great Lakes undoubtedly occurred because of the impact these mussels had on water users and ecology in the Great Lakes (Nalepa & Schloesser 1993). Although there are a few large studies of dreissenid mussels (e.g., Morton 1969) in the 203-y published history before they invaded the Great Lakes, it appears their occurrence in North America during the late 20<sup>th</sup> century; their impact on human, plant, and animal communities of the Great Lakes; their spread throughout the United States; and the ease at which information can now be exchanged have resulted in popular as well as scientific interest in these exotic mussels.

The current bibliography does not contain information about dreissenid mussels found in traditional gray literature (abstracts, conference proceedings, reports, memoranda, and so forth). For example, there were several thousand abstracts written for international conferences devoted to dreissenid mussels during the first decade of their occurrence in North America. As electronic databases continue to grow, it is likely that traditional gray literature will be included in searched databases and the number of listings from past studies will increase, especially non-English-language listings from Europe and Russia. In addition, old and future studies, of which there are and are likely to be many, will find their way into databases for easy access and use. Currently, the need for information about dreissenid mussels appears to be increasing and paralleling the human need for freshwater as dreissenid mussels continue to expand their range and impact water users in North America and elsewhere throughout the world.

## ACKNOWLEDGMENTS

We thank numerous researchers who contributed information in response to our call for references to help compile this bibliography. Any use of trade, product, or firm names is for

descriptive purposes only and does not imply endorsement by the U.S. government. This article is contribution number 1717 of the U.S. Geological Survey Great Lakes Science Center, 1451 Green Road, Ann Arbor, MI.

## LITERATURE CITED

- Benson, A. in press. A chronological history of *Dreissena* species in North America, 1986–2010. In: T. A. Nalepa & D. W. Schloesser, editors. Dreissenid mussels: biology, impacts, and response (control). Vol. II. Boca Raton, FL: CRC Press.
- Claudi, R. & G. L. Mackie. 1994. Practical Manual for Zebra Mussel Monitoring and Control. Boca Raton, FL: Lewis Publishers. 227 pp.
- D'itri Frank, M. (ed.). 1997. Zebra Mussels and Aquatic Nuisance Species. Proceedings of the Sixth International Zebra Mussel and Other Aquatic Nuisance Species Conference, Dearborn, Michigan 1996. Chelsea, MI: Ann Arbor Press. 638 pp.
- Hebert, P. D. N., B. W. Muncaster & G. L. Mackie. 1989. Ecological and genetic studies on *Dreissena polymorpha* (Pallas): a new mollusk in the Great-Lakes. *Can. J. Fish. Aquat. Sci.* 46:1587–1591.
- Limanova, N. A. 1964. *Dreissena* (bibliography). In: B. K. Shtegman, editor. Biology and control of *Dreissena*. Trudy Instituta Biologii Vnutrennikh Vod. 7(10): 71–145.
- Limanova, N. A. 1978. *Dreissena* bibliography of Russian and foreign literature. Moscow: Akademii Nauk SSSR, Bibl. Insitutia Biologii Vnutrennikh Vod. 115 pp. (in Russian).
- Morton, B. S. 1969. Studies on the biology of the bivalve *Dreissena polymorpha*. PhD diss., University of London. 490 pp.
- Nalepa, T. A. & D. W. Schloesser editors. 1993. Zebra mussels: biology, impacts, and control. Boca Raton, FL: CRC Press. 810 pp.
- Nalepa, T. A. & D. W. Schloesser editors. In press. Dreissenid mussels: biology, impacts, and response (control). Volume II. Boca Raton, FL: CRC Press.
- Neumann, D. & H. A. Jenner (eds.). 1992. The Zebra Mussel *Dreissena polymorpha*: Ecology, Biological Monitoring and First Applications in the Water Quality Management. Stuttgart: Gustav Fischer Verlag. 262 pp.
- Pavlova, V. In press. Morphological variability in *Dreissena polymorpha* and *Dreissena rostriformis bugensis* (Mollusca, Bivalvia). In: T. A. Nalepa & D. W. Schloesser, editors. Dreissenid mussels: biology, impacts, and response (control). Volume II. Boca Raton, FL: CRC Press.
- Pollick, S. In press. A news account and one reporter's perspective on the invasion of dreissenid mussels in North America: reflections on the news media. In: T. A. Nalepa & D. W. Schloesser, editors. Dreissenid mussels: biology, impacts, and response (control). Volume II. Boca Raton, FL: CRC Press.
- Schloesser, D. W., A. bij De Vaate & A. Zimmerman. 1994. A bibliography of "*Dreissena polymorpha*" in European and Russian waters: 1964–1993. *J. Shellfish Res.* 13:243–267.
- Starobogatov, J. I. (ed.). 1994. Freshwater Zebra Mussel *Dreissena polymorpha* (Pall.) (Bivalvia, Dreissenidae): Systematics, Ecology, Practical Meaning. Moscow: Nauka Press. 238 pp. (In Russian with English summary).
- Testa, J. 2011. The Thomson Reuters journal selection process. Available at [http://thomsonreuters.com/products\\_services/science/free/essays/journal\\_selection\\_process/](http://thomsonreuters.com/products_services/science/free/essays/journal_selection_process/) (Accessed May 26, 2011).
- van der Velde, G., S. Rajagopal & A. bij de Vaate (eds.). 2010. The Zebra Mussel in Europe. Leiden, The Netherlands: Backhuys Publishers. 490 pp.

## PEER-REVIEWED LITERATURE SEARCH

- Ackerman, J. D. 1999. Effect of Velocity on the Filter Feeding of Dreissenid Mussels (*Dreissena polymorpha* and *Dreissena bugensis*): Implications for Trophic Dynamics. *Can. J. Fish. Aquat. Sci.* 56(9):1551–1561.
- Ackerman, J. D., C. M. Cottrell, C. R. Ethier, D. G. Allen & J. K. Spelt. 1995. A Wall-Jet to Measure the Attachment Strength of Zebra Mussels. *Can. J. Fish. Aquat. Sci.* 52(1):126–135.
- Ackerman, J. D., C. M. Cottrell, C. R. Ethier, D. G. Allen & J. K. Spelt. 1996. Attachment Strength of Zebra Mussels on Natural, Polymeric, and Metallic Materials. *J. Environ. Eng.* 122(2):141–148.
- Ackerman, J. D., C. R. Ethier, D. G. Allen & J. K. Spelt. 1992. Investigation of Zebra Mussel Adhesion Strength Using Rotating-Disks. *J. Environ. Eng.* 118(5):708–724.
- Ackerman, J. D., M. R. Loewen & P. F. Hamblin. 2001. Benthic–Pelagic Coupling Over a Zebra Mussel Reef in Western Lake Erie. *Limnol. Oceanogr.* 46(4):892–904.
- Ackerman, J. D., B. Sim, S. J. Nichols & R. Claudi. 1994. Review of the Early-Life History of Zebra Mussels (*Dreissena polymorpha*): Comparisons with Marine Bivalves. *Can. J. Zool.* 72(7):1169–1179.
- Afanasyev, S., S. Shcherbak, P. Gusak, S. Ross & J. Gromova. 2005. Technology for Eliminating *Dreissena* Biofouling in Hydrofacilities. *Water Qual. Res. J. Canada* 6(Suppl.):142–148.
- Akopian, M., J. Garnier, P. Testard & A. Ficht. 2001. Estimating the Benthic Population of *Dreissena polymorpha* and Its Impact in the Lower Seine River, France. *Estuaries* 24(6B):1003–1014.
- Al-Aasm, I. S., J. D. Clarke & B. J. Fryer. 1998. Stable Isotopes and Heavy Metal Distribution in *Dreissena polymorpha* (Zebra Mussels) from Western Basin of Lake Erie, Canada. *Environ. Geol.* 33(2-3):122–129.
- Albrecht, C., R. Schultheiss, T. Kevrekidis, B. Streit & T. Wilke. 2007. Invaders or Endemics? Molecular Phylogenetics, Biogeography and Systematics of Dreissena in the Balkans. *Freshw. Biol.* 52(8):1525–1536.
- Alcaraz, C., N. Caiola & C. Ibanez. 2011. Bioaccumulation of Pollutants in the Zebra Mussel from Hazardous Industrial Waste and Evaluation of Spatial Distribution Using GAMs. *Sci. Total Environ.* 409(5):898–904.
- Aldridge, D. C., P. Elliott & G. D. Moggridge. 2004. The Recent and Rapid Spread of the Zebra Mussel (*Dreissena polymorpha*) in Great Britain. *Biol. Conserv.* 119(2):253–261.
- Aldridge, D. C., P. Elliott & G. D. Moggridge. 2006. Microencapsulated Biobullets for the Control of Biofouling Zebra Mussels. *Environ. Sci. Technol.* 40(3):975–979.
- Aldridge, D. W. & B. S. Payne. 2001. Effects of Temperature and Aerial Exposure on the BOD of Waste Zebra Mussels Removed from Navigational Locks. *Water Res.* 35(12):2970–2974.

- Aldridge, D. W., B. S. Payne & A. C. Miller. 1995. Oxygen-Consumption, Nitrogenous Excretion, and Filtration-Rates of *Dreissena polymorpha* at Acclimation Temperatures Between 20 and 32-Degrees-C. *Can. J. Fish. Aquat. Sci.* 52(8):1761–1767.
- Aleksenko, T. L. 1994. Reconstruction of Dreissena Sizes in the Investigation of Fishes. *Gidrobiol. Zh.* 30(5):108–109.
- Alexander, J. E. & R. F. McMahon. 2004. Respiratory Response to Temperature and Hypoxia in the Zebra Mussel *Dreissena polymorpha*. *Comp. Biochem. Physiol. Part A* 137(2):425–434.
- Alexander, J. E., J. H. Thorp & R. D. Fell. 1994. Turbidity and Temperature Effects on Oxygen-Consumption in the Zebra Mussel (*Dreissena polymorpha*). *Can. J. Fish. Aquat. Sci.* 51(1):179–184.
- Allen, Y. C. & C. W. Ramcharan. 2001. Dreissena Distribution in Commercial Waterways of the US: Using Failed Invasions to Identify Limiting Factors. *Can. J. Fish. Aquat. Sci.* 58(5):898–907.
- Allen, Y. C., B. A. Thompson & C. W. Ramcharan. 1999. Growth and Mortality Rates of the Zebra Mussel, *Dreissena polymorpha*, in the Lower Mississippi River. *Can. J. Fish. Aquat. Sci.* 56(5):748–759.
- Alvarenga, L. C. D. & C. N. Ricci. 1989. A New Species of *Mytilopsis* Conrad, 1857, from Tocantins River, Tucuruí, Para, Brazil - (Mollusca, Bivalvia, Dreissenidae). *Mem. Inst. Oswaldo Cruz* 84:27–33.
- Anderson, K. E. & J. H. Waite. 1998. A Major Protein Precursor of Zebra Mussel (*Dreissena polymorpha*) Byssus: Deduced Sequence and Significance. *Biol. Bull.* 194(2):150–160.
- Anderson, K. E. & J. H. Waite. 2000. Immunolocalization of DPF1, a Byssal Protein of the Zebra Mussel *Dreissena polymorpha*. *J. Exp. Biol.* 203(20):3065–3076.
- Anderson, K. E. & J. H. Waite. 2002. Biochemical Characterization of a Byssal Protein from *Dreissena bugensis* (Andrusov). *Biofouling* 18(1):37–45.
- Anderson, M. A. & W. D. Taylor. 2011. Quantifying Quagga Mussel Veliger Abundance and Distribution in Copper Basin Reservoir (California) Using Acoustic Backscatter. *Water Res.* 45(17):5419–5427.
- Andraso, G., J. Cowles, R. Colt, J. Patel & M. Campbell. 2011. Ontogenetic Changes in Pharyngeal Morphology Correlate with a Diet Shift from Arthropods to Dreissenid Mussels in Round Gobies (*Neogobius melanostomus*). *J. Great Lakes Res.* 37(4):738–743.
- Andraso, G. M., M. T. Ganger & J. Adamczyk. 2011. Size-Selective Predation by Round Gobies (*Neogobius melanostomus*) on Dreissenid Mussels in the Field. *J. Great Lakes Res.* 37(2):298–304.
- Andraso, G. M., M. A. Rutter, C. L. Cherry & A. A. Neal. 2007. Determining Species Identity and Size of Fragmented Zebra Mussels (*Dreissena polymorpha*) and Quagga Mussels (*Dreissena bugensis*) from Presque Isle Bay, Lake Erie. *J. Pa. Acad. Sci.* 81(1):23–28.
- Angarano, M. B., R. F. McMahon, D. L. Hawkins & J. A. Schetz. 2007. Exploration of Structure-Antifouling Relationships of Capsaicin-Like Compounds That Inhibit Zebra Mussel (*Dreissena polymorpha*) Macrofouling. *Biofouling* 23:295–305.
- Angarano, M. B., R. McMahon & J. Schetz. 2009. Cannabinoids Inhibit Zebra Mussel (*Dreissena polymorpha*) Byssal Attachment: A Potentially Green Antifouling Technology. *Biofouling* 25(2):127–138.
- Antsulevich, A. E. & M. V. Lebardin. 1990. Dreissena-Polymorpha New-Record Pall: In the Vicinity of Leningrad Russia. *J. Leningrad Univ. Biol.* 4:109–110.
- Antsulevitch, A. E., P. Valipakka & J. Vaitinen. 2003. How Are Zebra Mussels Doing in the Gulf of Finland? *Proc. Estonian Acad. Sci. Biol. Ecol.* 52:268–283.
- Anzano, J., R. J. Lasheras, B. Bonilla, A. Bonilla, J. Lanaja, M. A. Peribanez, M. J. Gracia-Salinas, J. Anwar & U. Shafique. 2011. Determination of Trace Metals by Voltamperometry in Zebra Mussel (*Dreissena polymorpha*) Employed as Environmental Bio-Indicator. *Green Chem. Lett. Rev.* 4(3):261–27.
- Araujo, A., A. H. Rafael & M. Ramon. 2001. The Zebra Mussel in the Ebro: A Severe Case of Environmental Risk in Aragon. *Naturaleza Aragonesa* 8:39–46.
- Arik, F. & M. Cengiz. 1996. A Study on Seasonal Changes in Lake Egirdir in the Chemical Composition of Two Benthic Organisms (*Gammarus* sp. and *Dreissena polymorpha*) of the Koprü Fishing Ground. *Turk. J. Biol.* 20(Suppl.):121–133.
- Arnott, D. L. & M. J. Vanni. 1996. Nitrogen and Phosphorus Recycling by the Zebra Mussel (*Dreissena polymorpha*) in the Western Basin of Lake Erie. *Can. J. Fish. Aquat. Sci.* 53(3):646–659.
- Arystanov, E. 1992. Role of *Dreissena polymorpha* Pallas in the Life Cycle of *Bucephalus polymorphus* Baer, 1827. *Uzb. Biol. Zh.* 2:75–76.
- Astaneh, I., E. Gosling, J. Wilson & E. Powell. 2005. Genetic Variability and Phylogeography of the Invasive Zebra Mussel, *Dreissena polymorpha* (Pallas). *Mol. Ecol.* 14(6):1655–1666.
- Atalah, J., M. Kelly-Quinn, K. Irvine & T. P. Crowe. 2010. Impacts of Invasion by *Dreissena polymorpha* (Pallas, 1771) on the Performance of Macroinvertebrate Assessment Tools for Eutrophication Pressure in Lakes. *Hydrobiologia* 654(1):237–251.
- Baba, K. 2001. Area-Analytical Zoogeographical Classification of Dreissenidae Family. *Soosiana* 29:49–54.
- Babcock-Jackson, L., W. W. Carmichael & D. A. Culver. 2002. Dreissenid Mussels Increase Exposure of Benthic and Pelagic Organisms to Toxic Microcystins. *Verh. Int. Ver. Limnol.* 28(2):1082–1085.
- Bacchetta, R. & P. Mantecca. 2009. DDT Polluted Meltwater Affects Reproduction in the Mussel *Dreissena polymorpha*. *Chemosphere* 76(10):1380–1385.
- Bacchetta, R., P. Mantecca & G. Vailati. 2001. Reproductive Behavior of the Freshwater Mussel *Dreissena polymorpha* in Italy: A Comparison Between Two Populations. *Arch. Hydrobiol.* 151(2):247–262.
- Bachmann, V., J. N. Beisel, P. Usseglio-Polatera & J. C. Moreteau. 2001. Decline of *Dreissena polymorpha* in the River Moselle: Biotic and Abiotic Key Factors Involved in Dynamics of Invasive Species. *Arch. Hydrobiol.* 151(2):263–281.
- Bachmann, V., P. Usseglio-Polatera, E. Cegiela, P. Wagner, J. F. Poinssaint & J. C. Moreteau. 1997. Preliminary Observations About the Coexistence of *Dreissena polymorpha*, *Corophium curvispinum* and *Corbicula* spp. in the River Moselle. *Bull. Fr. Peche Piscicult.* 344–345:373–384.
- Bachteram, A. M., K. A. Mazurek & J. J. H. Ciborowski. 2005. Sediment Suspension by Burrowing Mayflies (*Hexagenia* spp: Ephemeroptera: Ephemeridae). *J. Great Lakes Res.* 31:208–222.
- Bailey, R. C., L. Grapentine, T. J. Stewart, T. Schaner, M. E. Chase, J. S. Mitchell & R. A. Coulas. 1999. Dreissenidae in Lake Ontario: Impact Assessment at the Whole Lake and Bay of Quinte Spatial Scales. *J. Great Lakes Res.* 25(3):482–491.
- Bailey, J. F. & R. D. Hunter. 1992. Factor Influencing *Dreissena* Recruitment and Biomass Accumulation on an Artificial Substratum. *J. Shellfish Res.* 11(1):217–218.
- Baines, S. B., N. S. Fisher & J. J. Cole. 2005. Uptake of Dissolved Organic Matter (DOM) and Its Importance to Metabolic Requirements of the Zebra Mussel, *Dreissena polymorpha*. *Limnol. Oceanogr.* 50(1):36–47.

- Baines, S. B., N. S. Fisher & J. J. Cole. 2007. Dissolved Organic Matter and Persistence of the Invasive Zebra Mussel (*Dreissena polymorpha*) Under Low Food Conditions. *Limnol. Oceanogr.* 52(1):70–78.
- Baker, S. M. & D. J. Hornbach. 1997. Acute Physiological Effects of Zebra Mussel (*Dreissena polymorpha*) Infestation on Two Unionid Mussels, *Actinonaias ligamentina* and *Amblema plicata*. *Can. J. Fish. Aquat. Sci.* 54(3):512–519.
- Baker, S. M. & D. J. Hornbach. 2000. Physiological Status and Biochemical Composition of a Natural Population of Unionid Mussels (*Amblema plicata*) Infested by Zebra Mussels (*Dreissena polymorpha*). *Am. Midl. Nat.* 143(2):443–452.
- Baker, S. M. & D. J. Hornbach. 2008. Zebra Mussels (*Dreissena polymorpha*) Attached to Native Mussels (Unionidae) or Inanimate Substrates: Comparison of Physiological Rates and Biochemical Composition. *Am. Midl. Nat.* 160(1):20–28.
- Baker, S. M. & J. S. Levinton. 2003. Selective Feeding by Three Native North American Freshwater Mussels Implies Food Competition with Zebra Mussels. *Hydrobiologia* 505(1–3):97–105.
- Baker, S. M., J. S. Levinton, J. P. Kurdziel & S. E. Shumway. 1998. Selective Feeding and Biodeposition by Zebra Mussels and Their Relation to Changes in Phytoplankton Composition and Seston Load. *J. Shellfish Res.* 17(4):1207–1213.
- Baker, S. M., J. S. Levinton & J. E. Ward. 2000. Particle Transport in the Zebra Mussel, *Dreissena polymorpha* (Pallas). *Biol. Bull.* 199(2): 116–125.
- Baldwin, B. S., M. Black, O. Sanjur, R. Gustafson, R. A. Lutz & R. C. Vrijenhoek. 1996. A Diagnostic Molecular Marker for Zebra Mussels (*Dreissena polymorpha*) and Potentially Co-Occurring Bivalves: Mitochondrial COI. *Mol. Mar. Biol. Biotechnol.* 5(1): 9–14.
- Baldwin, B. S., M. S. Mayer, J. Dayton, N. Pau, J. Mendilla, M. Sullivan, A. Moore, A. Ma & E. L. Mills. 2002. Comparative Growth and Feeding in Zebra and Quagga Mussels (*Dreissena polymorpha* and *Dreissena bugensis*): Implications for North American Lakes. *Can. J. Fish. Aquat. Sci.* 59(4):680–694.
- Balogh, C., I. B. Musko, G. T. Laszlo & L. Nagy. 2008. Quantitative Trends of Zebra Mussels in Lake Balaton (Hungary) in 2003–2005 at Different Water Levels. *Hydrobiologia* 613:57–69.
- Bamber, R. N. & J. D. Taylor. 2002. The Brackish Water Mussel *Mytilopsis leucophaeta* (Conrad, 1831) (Bivalvia: Dreissenidae) in the River Thames. *J. Conchol.* 37:403–404.
- Bar, U. & F. Jochums. 1995. Common Eider *Somateria mollissima* Summering and Moulting in Bavaria with Remarks About Zebra Mussel *Dreissena polymorpha*. *Ornithol. Anz.* 34(2–3):159–162.
- Barbiero, R. P., D. C. Rockwell, G. J. Warren & M. L. Tuchman. 2006. Changes in Spring Phytoplankton Communities and Nutrient Dynamics in the Eastern Basin of Lake Erie Since the Invasion of *Dreissena* spp. *Can. J. Fish. Aquat. Sci.* 63(7):1549–1563.
- Barbiero, R. P. & M. L. Tuchman. 2004. Long-Term Dreissenid Impacts on Water Clarity in Lake Erie. *J. Great Lakes Res.* 30(4):557–566.
- Barbiero, R. P., M. L. Tuchman & E. S. Millard. 2006. Post-Dreissenid Increases in Transparency During Summer Stratification in the Offshore Waters of Lake Ontario: Is a Reduction in Whiting Events the Cause? *J. Great Lakes Res.* 32(1):131–141.
- Barnard, C., J. J. Frenette & W. F. Vincent. 2003. Planktonic Invaders of the St. Lawrence Estuarine Transition Zone: Environmental Factors Controlling the Distribution of Zebra Mussel Veligers. *Can. J. Fish. Aquat. Sci.* 60(10):1245–1257.
- Barnard, C., C. Martineau, J. J. Frenette, J. J. Dodson & W. F. Vincent. 2006. Trophic Position of Zebra Mussel Veligers and Their Use of Dissolved Organic Carbon. *Limnol. Oceanogr.* 51(3):1473–1484.
- Baron, J., J. Lesavre & L. Schwaritzbrod. 1996. Attempts of Use *Dreissena polymorpha* as a Bioindicator of Viral Pollution in Sewage Treatment Plant Effluents. *Ecologie (Brunoy)* 27(4):257–261.
- Barton, D. R., R. A. Johnson, L. Campbell, J. Petruniak & M. Patterson. 2005. Effects of Round Gobies (*Neogobius melanostomus*) on Dreissenid Mussels and Other Invertebrates in Eastern Lake Erie, 2002–2004. *J. Great Lakes Res.* 31:252–261.
- Bartsch, L. A., W. B. Richardson & M. B. Sandheinrich. 2003. Zebra Mussels (*Dreissena polymorpha*) Limit Food for Larval Fish (*Pimephales promelas*) in Turbulent Systems: A Bioenergetics Analysis. *Hydrobiologia* 495(1–3):59–72.
- Bastviken, D. T. E., N. F. Caraco & J. J. Cole. 1998. Experimental Measurements of Zebra Mussel (*Dreissena polymorpha*) Impacts on Phytoplankton Community Composition. *Freshw. Biol.* 39(2):375–386.
- Bauer, C. R., A. M. Bobeldyk & G. A. Lamberti. 2007. Predicting Habitat Use and Trophic Interactions of Eurasian Ruffe, Round Gobies, and Zebra Mussels in Nearshore Areas of the Great Lakes. *Biol. Invasions* 9(6):667–678.
- Beaver, J. R., T. E. Tietjen, B. J. Blasius-Wert, J. E. Kirsch, T. C. Rosati, G. C. Holdren, E. M. Kennedy, R. M. Hollis, C. E. Teacher, K. M. Buccier & S. K. Evans. 2010. Response of *Daphnia* in the Epilimnion of Lake Mead, AZ–NV, to Extreme Drought and Expansion of Invasive Quagga Mussels (2000–2009): Importance of Temperature and Season. *Lake Reservoir Manage.* 26:273–282.
- Becker-Van Slooten, K. & J. Tarradellas. 1994. Accumulation, Depuration and Growth Effects of Tributyltin in the Fresh-Water Bivalve *Dreissena polymorpha* Under Field Conditions. *Environ. Toxicol. Chem.* 13(5):755–762.
- Becker-Van Slooten, K. & J. Tarradellas. 1995. Organotins in Swiss Lakes After Their Ban: Assessment of Water, Sediment, and *Dreissena polymorpha* Contamination Over a 4-Year Period. *Arch. Environ. Contam. Toxicol.* 29(3):384–392.
- Beekey, M. A., D. J. McCabe & J. E. Marsden. 2004. Zebra Mussel Colonisation of Soft Sediments Facilitates Invertebrate Communities. *Freshw. Biol.* 49(5):535–545.
- Beekey, M. A., D. J. McCabe & J. E. Marsden. 2004. Zebra Mussels Affect Benthic Predator Foraging Success and Habitat Choice on Soft Sediments. *Oecologia* 141(1):164–170.
- Beeton, A. M. & J. Hageman. 2002. Changes in Zooplankton Populations in Western Lake Erie After Establishment of *Dreissena polymorpha*. *Verh. Int. Ver. Limnol.* 27(7):3798–3804.
- Bendick, R. 1992. Zebra Mussel Management. *Conservationist (Albany)* 47(1):42–43.
- Berezina, N. A. 1999. Peculiarities of Development of Macrozoobenthos Communities Under Influence of *Dreissena polymorpha* Pall in Experimental Mezocosms. *Zh. Obshch. Biol.* 60(2):189–198.
- Berg, D. J., S. W. Fisher & P. F. Landrum. 1996. Clearance and Processing of Algal Particles by Zebra Mussels (*Dreissena polymorpha*). *J. Great Lakes Res.* 22(3):779–788.
- Berkman, P. A., D. W. Garton, M. A. Haltuch, G. W. Kennedy & L. R. Febo. 2000. Habitat Shift in Invading Species: Zebra and Quagga Mussel Population Characteristics on Shallow Soft Substrates. *Biol. Invasions* 2(1):1–6.
- Berkman, P. A., M. A. Haltuch, E. Tichich, D. W. Garton, G. W. Kennedy, J. E. Gannon, S. D. Mackey, J. A. Fuller & D. L. Liebenenthal. 1998. Zebra Mussels Invade Lake Erie Muds. *Nature* 393(6680):27–28.

- Bernabeu, A., R. Vicente, M. A. Peribanez, A. Arques & A. M. Amat. 2011. Exploring the Applicability of Solar Driven Photocatalytic Processes to Control Infestation by Zebra Mussel. *Chem. Eng. J.* 171(2):490–494.
- Berny, P., O. Lachaux, T. Buronfosse, M. Mazallon & C. Gillet. 2002. Zebra Mussels (*Dreissena polymorpha*) as Indicators of Freshwater Contamination with Lindane. *Environ. Res.* 90(2):142–151.
- Berny, P. J., A. Veniat & M. Mazallon. 2003. Bioaccumulation of Lead, Cadmium, and Lindane in Zebra Mussels (*Dreissena polymorpha*) and Associated Risk for Bioconcentration in Tufted Duck (*Aythya fuligula*). *Bull. Environ. Contam. Toxicol.* 71(1):90–97.
- Bervoets, L., J. Voets, S. G. Chu, A. Covaci, P. Schepens & R. Blust. 2004. Comparison of Accumulation of Micropollutants Between Indigenous and Transplanted Zebra Mussels (*Dreissena polymorpha*). *Environ. Toxicol. Chem.* 23(8):1973–1983.
- Bervoets, L., J. Voets, A. Covaci, S. G. Chu, D. Qadah, R. Smolders, P. Schepens & R. Blust. 2005. Use of Transplanted Zebra Mussels (*Dreissena polymorpha*) to Assess the Bioavailability of Microcontaminants in Flemish Surface Waters. *Environ. Sci. Technol.* 39(6):1492–1505.
- Bervoets, L., J. Voets, R. Smolders & R. Blust. 2005. Metal Accumulation and Condition of Transplanted Zebra Mussel (*Dreissena polymorpha*) in Metal Polluted Rivers. *Aquat. Ecosyst. Health Manage.* 8(4):451–460.
- Bialkowska, J., W. Demianowicz & J. Glogowski. 2004. Determining the Viability of Zebra Mussel (*Dreissena polymorpha*) Spermatozoa and Changes in the Integrity of Its Plasma Membrane Using the Fluorescence Method. *Archiwum Rybactwa Polskiego* 12(1):23–30.
- Bially, A. & H. J. MacIsaac. 2000. Fouling Mussels (*Dreissena* spp.) Colonize Soft Sediments in Lake Erie and Facilitate Benthic Invertebrates. *Freshw. Biol.* 43(1):85–97.
- Bidwell, J. R., D. S. Cherry, J. L. Farris, J. C. Petrille & L. A. Lyons. 1999. Effects of Intermittent Halogenation on Settlement, Survival and Growth of the Zebra Mussel, *Dreissena polymorpha*. *Hydrobiologia* 394:53–62.
- Bidwell, J. R., J. L. Farris & D. S. Cherry. 1995. Comparative Response of the Zebra Mussel, *Dreissena polymorpha*, and the Asian Clam, *Corbicula fluminea*, to DGH/QUAT, a Nonoxidizing Molluscicide. *Aquat. Toxicol.* 33(3–4):183–200.
- Bidwell, J. R., L. A. Lyons, D. S. Cherry, J. C. Petrille & M. W. Werner. 1992. Effect of Intermittent Chlorine and Bromine Treatments on Settling Survival and Growth of the Zebra Mussel *Dreissena polymorpha*. *J. Shellfish Res.* 11(1):218–219.
- Bielefeld, U. 1991. Histological Observation of Gonads and Digestive Gland in Starving *Dreissena polymorpha* (Bivalvia). *Malacologia* 33(1–2):31–42.
- Bierman, V. J., J. Kaur, J. V. Depinto, T. J. Feist & D. W. Dilks. 2005. Modeling the Role of Zebra Mussels in the Proliferation of Blue-Green Algae in Saginaw Bay, Lake Huron. *J. Great Lakes Res.* 31(1):32–55.
- Bij de Vaate, A. 1991. Distribution and Aspects of Population-Dynamics of the Zebra Mussel, *Dreissena polymorpha* (Pallas, 1771), in the Lake IJsselmeer Area (the Netherlands). *Oecologia* 86(1):40–50.
- Bij de Vaate, A. 2006. The Quagga Mussel, *Dreissena rostriformis bugensis* (Andrusov 1897), a New Freshwater Species of Mussel for the Netherlands. *Spirula Correspondentieblad van de Nederlandse Malacologische Vereniging* 353:143–144.
- Bij de Vaate, A. 2010. Some Evidence for Ballast Water Transport Being the Vector of the Quagga Mussel (*Dreissena rostriformis bugensis* Andrusov, 1897) Introduction into Western Europe and Subsequent Upstream Dispersal in the River Rhine. *Aquatic Invasions* 5(2):207–209.
- Bij de Vaate, A. & J. N. Beisel. 2011. Range Expansion of the Quagga Mussel *Dreissena rostriformis bugensis* (Andrusov, 1897) in Western Europe: First Observation from France. *Aquatic Invasions* 6:S71–S74.
- Bij de Vaate, A., M. Greijdanus-Klaas & H. Smit. 1992. Densities and Biomass of Zebra Mussels in the Dutch Part of the Lower Rhine. *Limnol. Aktuell* 4:67–77.
- Bij de Vaate, A. & E. A. Jansen. 2007. Distinction Between Zebra Mussels and Quagga Mussels. *Spirula Correspondentieblad van de Nederlandse Malacologische Vereniging* 356:78–81.
- Bij de Vaate, A. & E. A. Jansen. 2009. Distribution of the Quagga Mussel in Dutch Waters. *Spirula Correspondentieblad van de Nederlandse Malacologische Vereniging* 368:72–75.
- Bij de Vaate, A., K. Jazdzewski, H. Ketelaars, S. Gollasch & G. Van der Velde. 2002. Geographical Patterns in Range Extension of Ponto-Caspian Macroinvertebrate Species in Europe. *Can. J. Fish. Aquat. Sci.* 59:1159–1174.
- Binelli, A., R. Bacchetta, P. Mantecca, F. Ricciardi, A. Provini & G. Vailati. 2004. DDT in Zebra Mussels from Lake Maggiore (N. Italy): Level of Contamination and Endocrine Disruptions. *Aquat. Toxicol.* 69(2):175–188.
- Binelli, A., R. Bacchetta, G. Vailati, S. Galassi & A. Provini. 2001. DDT Contamination in Lake Maggiore (N. Italy) and Effects on Zebra Mussel Spawning. *Chemosphere* 45(4–5):409–415.
- Binelli, A., D. Cogni, M. Parolini & A. Provini. 2010. Multi-Biomarker Approach to Investigate the State of Contamination of the R. Lambro/R. Po Confluence (Italy) by Zebra Mussel (*Dreissena polymorpha*). *Chemosphere* 79(5):518–528.
- Binelli, A., D. Cogni, M. Parolini, C. Riva & A. Provini. 2009. Cytotoxic and Genotoxic Effects of *in Vitro* Exposure to Triclosan and Trimethoprim on Zebra Mussel (*Dreissena polymorpha*) Hemocytes. *Comp. Biochem. Physiol. C Toxicol. Pharmacol.* 150(1):50–56.
- Binelli, A., D. Cogni, M. Parolini, C. Riva & A. Provini. 2009. *In Vivo* Experiments for the Evaluation of Genotoxic and Cytotoxic Effects of Triclosan in Zebra Mussel Hemocytes. *Aquat. Toxicol.* 91(3):238–244.
- Binelli, A., S. Galassi & M. Mariani. 1996. Use of Zebra Mussel (*Dreissena polymorpha*) For Organochlorinated Compounds Biomonitoring at the River Po Mouth. *Acqua Aria* 7–8:689–696.
- Binelli, A., S. Galassi & A. Provini. 2001. Factors Affecting the Use of *Dreissena polymorpha* as a Bioindicator: The PCB Pollution in Lake Como (N. Italy). *Water Air Soil Pollut.* 125(1–4):19–32.
- Binelli, A., L. Guzzella & C. Roscioli. 2008. Levels and Congener Profiles of Polybrominated Diphenyl Ethers (PBDES) in Zebra Mussels (*D. polymorpha*) from Lake Maggiore (Italy). *Environ. Pollut.* 153(3):610–617.
- Binelli, A., M. Parolini, D. Cogni, A. Pedriali & A. Provini. 2009. A Multi-Biomarker Assessment of the Impact of the Antibacterial Trimethoprim on the Non-Target Organism Zebra Mussel (*Dreissena polymorpha*). *Comp. Biochem. Phys. Part C* 150(3):329–336.
- Binelli, A., A. Provini & S. Galassi. 1997. Modifications in Lake Como (N. Italy) Caused by the Zebra Mussel (*Dreissena polymorpha*). *Water Air Soil Pollut.* 99(1–4):633–640.
- Binelli, A., M. Parolini, A. Pedriali & A. Provini. 2011. Antioxidant Activity in the Zebra Mussel (*Dreissena polymorpha*) in Response to Triclosan Exposure. *Water Air Soil Pollut.* 217:421–430.
- Binelli, A., F. Ricciardi, C. Riva & A. Provini. 2005. Screening of POP Pollution by Ache and Erod Activities in Zebra Mussels from the Italian Great Lakes. *Chemosphere* 61(8):1074–1082.



- Binelli, A., F. Ricciardi, C. Riva & A. Provini. 2006. Integrated Use of Biomarkers and Bioaccumulation Data in Zebra Mussel (*Dreissena polymorpha*) for Site-Specific Quality Assessment. *Biomarkers* 11(5):428–448.
- Binelli, A., F. Ricciardi, C. Riva & A. Provini. 2006. New Evidences for Old Biomarkers: Effects of Several Xenobiotics on Erod and Ache Activities in Zebra Mussel (*Dreissena polymorpha*). *Chemosphere* 62(4):510–519.
- Binelli, A., C. Riva, D. Cogni & A. Provini. 2008. Assessment of the Genotoxic Potential of Benzo(a)Pyrene and Pp'-Dichlorodiphenyldichloroethylene in Zebra Mussel (*Dreissena polymorpha*). *Mutat. Res. Genet. Toxicol. Environ. Mutagen.* 649(1–2):135–145.
- Binelli, A., C. Riva, D. Cogni & A. Provini. 2008. Genotoxic Effects of P,P'-DDT (1,1,1-Trichloro-2,2-Bis(Chlorophenyl Ethane) and Its Metabolites in Zebra Mussel (*D. polymorpha*) by SCGE Assay and Micronucleus Test. *Environ. Mol. Mutagen.* 49(5):406–415.
- Binelli, A., C. Riva & A. Provini. 2007. Biomarkers in Zebra Mussel for Monitoring and Quality Assessment of Lake Maggiore (Italy). *Biomarkers* 12(4):349–368.
- Binimelis, R., I. Monterroso & B. Rodriguez-Labajos. 2007. A Social Analysis of the Bioinvasions of *Dreissena polymorpha* in Spain and *Hydrilla verticillata* in Guatemala. *Environ. Manage.* 40:555–566.
- Biochino, G. I. 1989. A Phenetic Method of *Dreissena polymorpha* Pallas Investigation. *Biologicheskie Nauki (Moscow)* 10:36–41.
- Biochino, G. I. 1990. Polymorphism and Geographical Variability of *Dreissena polymorpha* (Pallas). *Trudy Instituta Biologii Vnutrennikh Vod* 70(5):143–158.
- Bischoff, P. J. & T. G. Horvath. 2011. Abundances of Naked Amoebae and Macroflagellates in Central New York Lakes: Possible Effects by Zebra Mussels. *Acta Protozool.* 50(1):23–31.
- Bischoff, P. J. & S. Wetmore. 2009. Seasonal Abundances of Naked Amoebae in Biofilms on Shells of Zebra Mussels (*Dreissena polymorpha*) with Comparative Data from Rock Scrapings. *J. Eukaryot. Microbiol.* 56(4):397–399.
- Biss, J., F. H. Laruelle & D. P. Molloy. 1996. Use of Sieves for the Rapid Size Selection of *Dreissena polymorpha* Samples. *J. Shellfish Res.* 15(3):747–750.
- Bitterman, A. M., R. D. Hunter & R. C. Haas. 1994. Allometry of Shell Growth of Caged and Uncaged Zebra Mussels (*Dreissena polymorpha*) in Lake St Clair. *Am. Malacol. Bull.* 11(1):41–49.
- Bleeker, E. A. J., M. H. S. Kraak & C. Davids. 1992. Ecotoxicity of Lead to the Zebra Mussel *Dreissena polymorpha*, Pallas. *Hydrobiol. Bull.* 25(3):233–236.
- Bobat, A., M. O. Hengirmen & W. Zapletal. 2004. Zebra Mussel and Fouling Problems in the Euphrates Basin. *Turk. J. Zool.* 28(2):161–177.
- Bobeldyk, A. M., J. M. Bossenbroek, M. A. Evans-White, D. M. Lodge & G. A. Lamberti. 2005. Secondary Spread of Zebra Mussels (*Dreissena polymorpha*) in Coupled Lake–Stream Systems. *Ecoscience* 12(3):339–346.
- Bodamer, B. L. & J. M. Bossenbroek. 2008. Wetlands as Barriers: Effects of Vegetated Waterways on Downstream Dispersal of Zebra Mussels. *Freshw. Biol.* 53(10):2051–2060.
- Bodamer, B. L. & M. L. Ostrofsky. 2010. The Use of Aquatic Plants by Populations of the Zebra Mussel (*Dreissena polymorpha*) (Bivalvia: Dreissenidae) in a Small Glacial Lake. *Nautilus* 124(2):100–106.
- Bodis, E. 2008. Contribution to the Macroinvertebrate Fauna of the Hungarian Danube IV: Mussels (Bivalvia: Corbiculidae, Dreissenidae, Sphaeriidae, Unionidae). *Folia Historico Naturalia Musei Matraensis* 32:57–68.
- Bodis, E., J. Nosek & N. Oertel. 2008. Spatio-Temporal Pattern of Mussels (Corbiculidae, Dreissenidae, Sphaeriidae) in the Water-System of the Hungarian Danube. *Arch. Hydrobiol. (Suppl.)* 166(1–2):293–308.
- Boeckman, C. J. & J. R. Bidwell. 2008. Status of Freshwater Native Mussels (Unionidae) in the Oklahoma Section of the Verdigris River After Introduction of the Zebra Mussel (*Dreissena polymorpha* Pallas, 1771). *Am. Malacol. Bull.* 25(1–2):1–8.
- Boegman, L., M. R. Loewen, D. A. Culver, P. F. Hamblin & M. N. Charlton. 2008. Spatial-Dynamic Modeling of Algal Biomass in Lake Erie: Relative Impacts of Dreissenid Mussels and Nutrient Loads. *J. Environ. Eng.* 134(6):456–468.
- Boegman, L., M. R. Loewen, P. F. Hamblin & D. A. Culver. 2008. Vertical Mixing and Weak Stratification Over Zebra Mussel Colonies in Western Lake Erie. *Limnol. Oceanogr.* 53(3):1093–1110.
- Bohuss, I., A. Varga, K. Barkacs, N. Oertel & G. Zaray. 2001. Microanalytical Determination of Metals in Selected Organs of Zebra Mussels by Total Reflection X-Ray Fluorescence Spectrometry. *J. Trace Microprobe Techn.* 19(1):177–182.
- Boles, L. C. & R. N. Lipcius. 1997. Potential for Population Regulation of the Zebra Mussel by Finfish and the Blue Crab in North American Estuaries. *J. Shellfish Res.* 16(1):179–186.
- Bolognesi, C., A. Buschini, E. Branchi, P. Carboni, M. Furlini, A. Martino, M. Monteverde, P. Poli & C. Rossi. 2004. Comet and Micronucleus Assays in Zebra Mussel Cells for Genotoxicity Assessment of Surface Drinking Water Treated with Three Different Disinfectants. *Sci. Total Environ.* 333(1–3):127–136.
- Bonner, T. P. & R. L. Rockhill. 1994. Ultrastructure of the Byssus of the Zebra Mussel (*Dreissena polymorpha*, Mollusca, Bivalvia). *Trans. Am. Microsc. Soc.* 113(3):302–315.
- Borcherding, J. 1991. The Annual Reproductive-Cycle of the Fresh-Water Mussel *Dreissena polymorpha* Pallas in Lakes. *Oecologia* 87(2):208–218.
- Borcherding, J. 1992. Another Early Warning System for the Detection of Toxic Discharges in the Aquatic Environment Based on Valve Movements of the Freshwater Mussel *Dreissena polymorpha*. *Limnol. Aktuell* 4:127–146.
- Borcherding, J. 1992. Morphometric Changes in Relation to the Annual Reproductive Cycle in *Dreissena polymorpha*: A Prerequisite for Biomonitoring Studies with Zebra Mussels. *Limnol. Aktuell* 4:87–99.
- Borcherding, J. 1995. Laboratory Experiments on the Influence of Food Availability, Temperature and Photoperiod on Gonad Development in the Fresh-Water Mussel *Dreissena polymorpha*. *Malacologia* 36(1–2):15–27.
- Borcherding, J. 2006. Ten Years of Practical Experience with the *Dreissena* Monitor, a Biological Early Warning System for Continuous Water Quality Monitoring. *Hydrobiologia* 556:417–426.
- Borcherding J., S. de Ruyter van & D. Erik. 1992. Abundance and Growth of *Dreissena polymorpha* Larvae in the Water Column of the River Rhine During Downstream Transportation. *Limnol. Aktuell* 4:29–44.
- Borcherding, J. & B. Jantz. 1997. Valve Movement Response of the Mussel *Dreissena polymorpha*: The Influence of pH and Turbidity on the Acute Toxicity of Pentachlorophenol Under Laboratory and Field Conditions. *Ecotoxicology* 6(3):153–165.
- Borcherding, J. & W. Sturm. 2002. The Seasonal Succession of Macroinvertebrates, in Particular the Zebra Mussel (*Dreissena polymorpha*), in the River Rhine and Two Neighbouring Gravel-Pit Lakes Monitored Using Artificial Substrates. *Int. Rev. Hydrobiol.* 87(2–3):165–181.

- Borcherding, J. & M. Volpers. 1994. The *Dreissena* Monitor: 1st Results on the Application of This Biological Early Warning System in the Continuous Monitoring of Water Quality. *Water Sci. Technol.* 29(3):199–201.
- Borcherding, J. & J. Wolf. 2001. The Influence of Suspended Particles on the Acute Toxicity of 2-Chloro-4-Nitro-Aniline, Cadmium, and Pentachlorophenol on the Valve Movement Response of the Zebra Mussel (*Dreissena polymorpha*). *Arch. Environ. Contam. Toxicol.* 40(4): 497–504.
- Boron, A., P. Woznicki, L. Skuza & R. Zielinski. 2004. Cytogenetic Characterization of the Zebra Mussel *Dreissena polymorpha* (Pallas) from Miedwie Lake, Poland. *Folia Biol. (Krakow)* 52(1–2):33–38.
- Bossenbroek, J. M., L. E. Johnson, B. Peters & D. M. Lodge. 2007. Forecasting the Expansion of Zebra Mussels in the United States. *Conserv. Biol.* 21(3):800–810.
- Bossenbroek, J. M., C. E. Kraft & J. C. Nekola. 2001. Prediction of Long-Distance Dispersal Using Gravity Models: Zebra Mussel Invasion of Inland Lakes. *Ecol. Appl.* 11(6):1778–1788.
- Botts, P. S., B. A. Patterson & D. W. Schloesser. 1996. Zebra Mussel Effects on Benthic Invertebrates: Physical or Biotic? *J. North Am. Benthol. Soc.* 15(2):179–184.
- Bourgeault, A., C. Gourlay-France, C. Priadi, S. Ayrault & M. H. Tusseau-Vuillemin. 2011. Bioavailability of Particulate Metal to Zebra Mussels: Biodynamic Modelling Shows That Assimilation Efficiencies Are Site-Specific. *Environ. Pollut.* 159(12):3381–3389.
- Bourgeault, A., C. Gourlay-France & M. H. Tusseau-Vuillemin. 2010. Modeling the Effect of Water Chemistry on the Bioaccumulation of Waterborn Cadmium in Zebra Mussels. *Environ. Toxicol. Chem.* 29(10):2182–2189.
- Bourgeault, A., C. Gourlay-France, F. Vincent-Hubert, F. Palais, A. Geffard, S. Biagiante-Risbourg, S. Pain-Devin & M. H. Tusseau-Vuillemin. 2010. Lessons from a Transplantation of Zebra Mussels into a Small Urban River: An Integrated Ecotoxicological Assessment. *Environ. Toxicol.* 25(5):468–478.
- Bouskill, N. J., R. D. Handy, T. E. Ford & T. S. Galloway. 2006. Differentiating Copper and Arsenic Toxicity Using Biochemical Biomarkers in *Asellus aquaticus* and *Dreissena polymorpha*. *Ecotoxicol. Environ. Saf.* 65(3):342–349.
- Bowdrey, J. 1995. The Zebra Mussel *Dreissena polymorpha* (Pallas) in Northeast Essex. *Nature in North East Essex* 1993:48.
- Bowen, K. L. & O. E. Johannsson. 2011. Changes in Zooplankton Biomass in the Bay of Quinte with the Arrival of the Mussels, *Dreissena polymorpha* and *D. rostriformis bugensis*, and the predatory cladoceran, *Cercopagis pengoi*: 1975–2008. *Aquat. Ecosyst. Health Manage.* 14(1):44–55.
- Bowers, R. & F. A. de Szalay. 2004. Effects of Hydrology on Unionids (Unionidae) and Zebra Mussels (Dreissenidae) in a Lake Erie Coastal Wetland. *Am. Midl. Nat.* 151(2):286–300.
- Bowers, R. & F. A. de Szalay. 2005. Effects of Water Level Fluctuations on Zebra Mussel Distribution in a Lake Erie Coastal Wetland. *J. Freshw. Ecol.* 20(1):85–92.
- Bowers, R. W. & F. A. de Szalay. 2007. Fish Predation of Zebra Mussels Attached to *Quadrula quadrula* (Bivalvia: Unionidae) and Benthic Molluscs in a Great Lakes Coastal Wetland. *Wetlands* 27(1):203–208.
- Bowlby, J. N. & J. A. Hoyle. 2011. Distribution and Movement of Bay of Quinte Walleye in Relation to Temperature, Prey Availability and Dreissenid Colonization. *Aquat. Ecosyst. Health Manage.* 14(1):56–65.
- Bowman, M. F. & R. C. Bailey. 1998. Upper pH Tolerance Limit of the Zebra Mussel (*Dreissena polymorpha*). *Can. J. Zool.* 76(11):2119–2123.
- Bowmer, C. T., M. Vandermeer & M. C. T. Scholten. 1991. A Histopathological Analysis of Wild and Transplanted *Dreissena polymorpha* from the Dutch Sector of the River Maas. *Comp. Biochem. Physiol. C Pharmacol. Toxicol. Endocrinol.* 100(1–2):225–229.
- Brady, T. J., J. E. Vanbenschoten & J. N. Jensen. 1996. Technical Note: Chlorination Effectiveness for Zebra and Quagga Mussels. *J. Am. Water Works Assoc.* 88(1):107–110.
- Brady, T. J., J. E. Vanbenschoten, J. N. Jensen, D. P. Lewis & J. Sferrazza. 1993. Sampling and Enumeration of Zebra Mussel Veligers: Implications for Control. *J. Am. Water Works Assoc.* 85(6):100–103.
- Brady, V. J., B. J. Cardinale & T. M. Burton. 1995. Zebra Mussels in a Coastal Marsh: The Seasonal and Spatial Limits of Colonization. *J. Great Lakes Res.* 21(4):587–593.
- Brazner, J. C. & D. A. Jensen. 2000. Zebra Mussel (*Dreissena polymorpha* (Pallas)) Colonization of Rusty Crayfish (*Orconectes rusticus* (Girard)) in Green Bay, Lake Michigan. *Am. Midl. Nat.* 143(1):250–256.
- Bridgeman, T. B., G. L. Fahnenstiel, G. A. Lang & T. F. Nalepa. 1995. Zooplankton Grazing During the Zebra Mussel (*Dreissena polymorpha*) Colonization of Saginaw Bay, Lake Huron. *J. Great Lakes Res.* 21(4):567–573.
- Bridgeman, T. B., D. W. Schloesser & A. E. Krause. 2006. Recruitment of Hexagenia Mayfly Nymphs in Western Lake Erie Linked to Environmental Variability. *Ecol. Appl.* 16:601–611.
- Bridoux, M., M. Sobiechowska, A. Perez-Fuentetaja & K. T. Alben. 2010. Algal Pigments in Lake Erie Dreissenids, Pseudofeces and Sediments, As Tracers of Diet, Selective Feeding and Bioaccumulation. *J. Great Lakes Res.* 36(3):437–447.
- Brieger, G. & R. D. Hunter. 1993. Uptake and Depuration of PCB-77, PCB-169, and Hexachlorobenzene by Zebra Mussels (*Dreissena polymorpha*). *Ecotoxicol. Environ. Saf.* 26(2):153–165.
- Britton, D. K. & R. F. McMahon. 2005. Analysis of Trailered Boat Traffic and the Potential Westward Spread of Zebra Mussels Across the 100th Meridian. *Am. Malacol. Bull.* 20(1–2):147–159.
- Britvic, S. & B. Kurelec. 1999. The Effect of Inhibitors of Multixenobiotic Resistance Mechanism on the Production of Mutagens by *Dreissena polymorpha* in Waters Spiked with Premutagens. *Aquat. Toxicol.* 47(2):107–116.
- Brown, J. E. & C. A. Stepien. 2010. Population Genetic History of the Dreissenid Mussel Invasions: Expansion Patterns Across North America. *Biol. Invasions* 12(11):3687–3710.
- Bruesewitz, D. A., J. L. Tank & M. J. Bernot. 2008. Delineating the Effects of Zebra Mussels (*Dreissena polymorpha*) on N Transformation Rates Using Laboratory Mesocosms. *J. North Am. Benthol. Soc.* 27(2):236–251.
- Bruesewitz, D. A., J. L. Tank, M. J. Bernot, W. B. Richardson & E. A. Strauss. 2006. Seasonal Effects of the Zebra Mussel (*Dreissena polymorpha*) on Sediment Denitrification Rates in Pool 8 of the Upper Mississippi River. *Can. J. Fish. Aquat. Sci.* 63(5): 957–969.
- Bruesewitz, D. A., J. L. Tank & S. K. Hamilton. 2009. Seasonal Effects of Zebra Mussels on Littoral Nitrogen Transformation Rates in Gull Lake, Michigan, USA. *Freshw. Biol.* 54(7):1427–1443.

- Bruner, K. A., S. W. Fisher & P. F. Landrum. 1994. The Role of the Zebra Mussel, *Dreissena polymorpha*, in Contaminant Cycling: 1. The Effect of Body-Size and Lipid-Content on the Bioconcentration of PCBs and PAHs. *J. Great Lakes Res.* 20(4):725–734.
- Bruner, K. A., S. W. Fisher & P. F. Landrum. 1994. The Role of the Zebra Mussel, *Dreissena polymorpha*, in Contaminant Cycling: 2. Zebra Mussel Contaminant Accumulation from Algae and Suspended Particles, and Transfer to the Benthic Invertebrate, *Gammarus fasciatus*. *J. Great Lakes Res.* 20(4):735–750.
- Budd, J. W., T. D. Drummer, T. F. Nalepa & G. L. Fahnenstiel. 2001. Remote Sensing of Biotic Effects: Zebra Mussels (*Dreissena polymorpha*) Influence on Water Clarity in Saginaw Bay, Lake Huron. *Limnol. Oceanogr.* 46(2):213–223.
- Buecker, B. 1992. Power Plants Use a Variety of Methods to Control Zebra Mussels. *Power Eng.* 96(12):51.
- Bulte, G. & G. Blouin-Demers. 2008. Northern Map Turtles (*Graptemys geographica*) Derive Energy from the Pelagic Pathway Through Predation on Zebra Mussels (*Dreissena polymorpha*). *Freshw. Biol.* 53(3):497–508.
- Bultelle, F., M. Panchout, F. Leboulenger & J. M. Danger. 2002. Identification of Differentially Expressed Genes in *Dreissena polymorpha* Exposed to Contaminants. *Mar. Environ. Res.* 54(3–5):385–389.
- Bultelle, F., M. Panchout, R. Masson, F. Leboulenger & J. M. Danger. 2004. Gene Expression Profiling in *Dreissena polymorpha* Exposed to Chemical Contaminants. *Mar. Environ. Res.* 58(2–5):587.
- Bunnell, D. B., C. P. Madenjian, J. D. Holuszko, J. V. Adams & J. R. P. French. 2009. Expansion of *Dreissena* into Offshore Waters of Lake Michigan and Potential Impacts on Fish Populations. *J. Great Lakes Res.* 35(1):74–80.
- Bunt, C., H. J. MacIsaac & W. G. Sprules. 1992. Pumping Rate Capacities of Juvenile Great Lakes *Dreissena polymorpha* Pallas. *J. Shellfish Res.* 11(1):220–221.
- Bunt, C. M., H. J. MacIsaac & W. G. Sprules. 1993. Pumping Rates and Projected Filtering Impacts of Juvenile Zebra Mussels (*Dreissena polymorpha*) in Western Lake Erie. *Can. J. Fish. Aquat. Sci.* 50(5):1017–1022.
- Burks, R. L., N. C. Tuchman, C. A. Call & J. E. Marsden. 2002. Colonial Aggregates: Effects of Spatial Position on Zebra Mussel Responses to Vertical Gradients in Interstitial Water Quality. *J. North Am. Benthol. Soc.* 21(1):64–75.
- Burla, H. & G. Ribl. 1998. Density Variation of the Zebra Mussel *Dreissena polymorpha* in Lake Zurich, from 1976 to 1988. *Aquat. Sci.* 60(2):145–156.
- Burlakova, L. E., A. Y. Karatayev & D. P. Molloy. 1998. Field and Laboratory Studies of Zebra Mussel (*Dreissena polymorpha*) Infection by the Ciliate *Conchophthirus acuminatus* in the Republic of Belarus. *J. Invertebr. Pathol.* 71(3):251–257.
- Burlakova, L. E., A. Y. Karatayev & D. K. Padilla. 2000. The Impact of *Dreissena polymorpha* (Pallas) Invasion on Unionid Bivalves. *Int. Rev. Hydrobiol.* 85(5–6):529–541.
- Burlakova, L. E., A. Y. Karatayev & D. K. Padilla. 2006. Changes in the Distribution and Abundance of *Dreissena polymorpha* Within Lakes Through Time. *Hydrobiologia* 571:133–146.
- Burlakova, L. E., D. K. Padilla, A. Y. Karatayev & D. Minchin. 2006. Endosymbionts of *Dreissena polymorpha* in Ireland: Evidence for the Introduction of Adult Mussels. *J. Mollusc. Stud.* 72:207–210.
- Busch, D., T. Lucker & W. Wosniok. 1997. Effects of the Decreasing Salt Pollution of the River Weser on the Survival and Growth Rate of Exposed Mussels (*Dreissena polymorpha* Pallas 1771). *Limnologica* 27(1):103–109.
- Busch, D., T. Lucker & W. Wosniok. 1998. Effects of Changing Salt Concentrations and Other Physical–Chemical Parameters on Bioavailability and Bioaccumulation of Heavy Metals in Exposed *Dreissena polymorpha* (Pallas, 1771). *Limnologica* 28(3):263–274.
- Busch, D. & B. Schuchardt. 1991. The Use of the Fresh-Water Mussel *Dreissena polymorpha* (Pallas) for Biomonitoring Heavy-Metals in Limnic Ecosystems: The Weser (Frg). *Int. Assoc. Theoret. Appl. Limnol. Proc.* 24(4):2261–2264.
- Busch, D., B. Schuchardt, J. Kettler & B. Steinweg. 1995. The Distribution of Mussels *Dreissena polymorpha* and *Congeria leucophaeata* in the Weser and Their Suitability for Passive Heavy Metal Monitoring. *Limnol. Aktuell* 6:109–122.
- Buschini, A., P. Carboni, A. Martino, P. Poli & C. Rossi. 2003. Effects of Temperature on Baseline and Genotoxicant-Induced DNA Damage in Haemocytes of *Dreissena polymorpha*. *Mutat. Res. Genet. Toxicol. Environ. Mutagen.* 537(1):81–92.
- Burton, T. M., D. G. Uzarski & J. A. Genet. 2004. Invertebrate Habitat Use in Relation to Fetch and Plant Zone in Northern Lake Huron Coastal Wetlands. *Aquat. Ecosyst. Health Manage.* 7(2):249–267.
- Butkas, K. J. & M. L. Ostrofsky. 2006. The Status of Unionid and Dreissenid Mussels in Northwestern Pennsylvania Inland Lakes. *Nautilus* 120(3):106–111.
- Bykova, O., A. Laursen, V. Bostan, J. Bautista & L. Mccarthy. 2006. Do Zebra Mussels (*Dreissena polymorpha*) Alter Lake Water Chemistry in a Way That Favours Microcystis Growth? *Sci. Total Environ.* 371(1–3):362–372.
- Byrne, R. A., M. L. Burleson, N. J. Smatresk & R. F. McMahon. 1995. Respiratory and Acid–Base Consequences of Zebra Mussel Infestation on the Valves of Unionids. *Can. J. Zool.* 73(8):1489–1494.
- Byrne, R. A. & T. H. Dietz. 2006. Ionic and Acid–Base Consequences of Exposure to Increased Salinity in the Zebra Mussel, *Dreissena polymorpha*. *Biol. Bull.* 211(1):66–75.
- Camerani, P. 2009. A Numerous Population of Exotic Mussels *Mytilopsis* sp. on the Coast of Romagna. *Quaderno di Studi e Notizie di Storia Naturale della Romagna* 28:17–20.
- Camusso, M., R. Balestrini & A. Binelli. 2001. Use of Zebra Mussel (*Dreissena polymorpha*) to Assess Trace Metal Contamination in the Largest Italian Subalpine Lakes. *Chemosphere* 44(2):263–270.
- Camusso, M., R. Balestrini, F. Muriano & M. Mariani. 1994. Use of Fresh-Water Mussel *Dreissena polymorpha* to Assess Trace-Metal Pollution in the Lower River Po (Italy). *Chemosphere* 29(4):729–745.
- Canale, R. P. & S. C. Chapra. 2002. Modeling Zebra Mussel Impacts on Water Quality of Seneca River, New York. *J. Environ. Eng.* 128(12):1158–1168.
- Caraco, N. F., J. J. Cole, S. E. G. Findlay, D. T. Fischer, G. G. Lampman, M. L. Pace & D. L. Strayer. 2000. Dissolved Oxygen Declines in the Hudson River Associated with the Invasion of the Zebra Mussel (*Dreissena polymorpha*). *Environ. Sci. Technol.* 34(7):1204–1210.
- Caraco, N. F., J. J. Cole, P. A. Raymond, D. L. Strayer, M. L. Pace, S. E. G. Findlay & D. T. Fischer. 1997. Zebra Mussel Invasion in a Large, Turbid River: Phytoplankton Response to Increased Grazing. *Ecology* 78(2):588–602.
- Caraco, N. F., J. J. Cole & D. L. Strayer. 2006. Top-down Control from the Bottom: Regulation of Eutrophication in a Large River by Benthic Grazing. *Limnol. Oceanogr.* 51:664–670.

- Carlsson, N. O. L., H. Bustamante, D. L. Strayer & M. L. Pace. 2011. Biotic Resistance on the Increase: Native Predators Structure Invasive Zebra Mussel Populations. *Freshw. Biol.* 56(8):1630–1637.
- Carlsson, N. O. L. & D. L. Strayer. 2009. Intraspecific Variation in the Consumption of Exotic Prey: A Mechanism That Increases Biotic Resistance Against Invasive Species? *Freshw. Biol.* 54:2315–2319.
- Carlton, J. T. 1993. Ecological Roulette: The Global Transport of Nonindigenous Marine Organisms. *Science* 261:78–82.
- Carlton, J. T. 1996. Pattern, Process, and Prediction in Marine Invasion Ecology. *Biol. Conserv.* 78:97–106.
- Carlton, J. T. 2008. The Zebra Mussel *Dreissena polymorpha* Found in North America in 1986 and 1987. *J. Great Lakes Res.* 34(4):770–773.
- Carman, S. M., J. Janssen & M. B. Berg. 2006. Diel Interactions Between Prey Behavior and Feeding in an Invasive Fish, the Round Goby, in a North American River. *Freshw. Biol.* 51:742–755.
- Carrasco, L., S. Diez, D. X. Soto, J. Catalan & J. M. Bayona. 2008. Assessment of Mercury and Methylmercury Pollution with Zebra Mussel (*Dreissena polymorpha*) in the Ebro River (NE Spain) Impacted by Industrial Hazardous Dumps. *Sci. Total Environ.* 407(1):178–184.
- Casagrandi, R., L. Mari & M. Gatto. 2007. Modelling the Local Dynamics of the Zebra Mussel (*Dreissena polymorpha*). *Freshw. Biol.* 52(7):1223–1238.
- Casper, A. F. & L. E. Johnson. 2010. Contrasting Shell/Tissue Characteristics of *Dreissena polymorpha* and *Dreissena bugensis* in Relation to Environmental Heterogeneity in the St. Lawrence River. *J. Great Lakes Res.* 36(1):184–189.
- Catling, P. M. 2004. Another Record of Zebra Mussel Attached to an Exuvium of *Epitheca princeps* and Inferences of Effect. *Ontario Odonata* 4:5.
- Cavaletto, J. F., T. F. Nalepa, D. L. Fanslow & D. W. Schloesser. 2003. Temporal Variation of Energy Reserves in Mayfly Nymphs (*Hexagenia* spp.) from Lake St. Clair and Western Lake Erie. *Freshw. Biol.* 48:1726–1738.
- Cecala, R. K., C. M. Mayer, K. L. Schulz & E. L. Mills. 2008. Increased Benthic Algal Primary Production in Response to the Invasive Zebra Mussel (*Dreissena polymorpha*) in a Productive Ecosystem, Oneida Lake, New York. *J. Integr. Plant Biol.* 50(11):1452–1466.
- Chakraborti, R. K., J. Kaur & J. V. Depinto. 2002. Analysis of Factors Affecting Zebra Mussel (*Dreissena polymorpha*) Growth in Saginaw Bay: A GIS-Based Modeling Approach. *J. Great Lakes Res.* 28(3):396–410.
- Charlton, M. N. 1994. The Case for Research on the Effects of Zebra Mussels in Lake Erie: Visualization of Information from August and September 1993. *J. Biol. Syst.* 2(4):467–480.
- Chase, M. E. & R. C. Bailey. 1996. Recruitment of *Dreissena polymorpha*: Does the Presence and Density of Conspecifics Determine the Recruitment Density and Pattern in a Population? *Malacologia* 38(1–2):19–31.
- Chase, M. E. & R. C. Bailey. 1999. The Ecology of the Zebra Mussel (*Dreissena polymorpha*) in the Lower Great Lakes of North America: I. Population Dynamics and Growth. *J. Great Lakes Res.* 25(1):107–121.
- Chase, M. E. & R. C. Bailey. 1999. The Ecology of the Zebra Mussel (*Dreissena polymorpha*) in the Lower Great Lakes of North America: II. Total Production, Energy Allocation, and Reproductive Effort. *J. Great Lakes Res.* 25(1):122–134.
- Chen, D., S. L. Gerstenberger, S. A. Muetting & W. H. Wong. 2010. Environmental Factors Affecting Settlement of Quagga Mussel (*Dreissena rostriformis bugensis*) Veligers in Lake Mead, Nevada–Arizona, USA. *Aquatic Invasions* 6(2):149–156.
- Chevreuil, M., M. Blanchard, M. J. Teil, A. M. Carru, P. Testard & A. Chesterikoff. 1996. Evaluation of the Pollution by Organochlorinated Compounds (Polychlorobiphenyls and Pesticides) and Metals Cd, Cr, Cu and Pb in the Water and in the Zebra Mussel (*Dreissena polymorpha* Pallas) of the River Seine. *Water Air Soil Pollut.* 88(3–4):371–381.
- Chevreuil M., Testard P. 1991. Monitoring of Organochlorine Pollution (PCB, Pesticides) by a Filter Feeder Lamellibranch (*Dreissena polymorpha* Pallas). *Comptes Rendus De L Academie Des Sciences Serie II* 312(5):473–477.
- Cho, Y. C., R. C. Frohnhoefer & G. Y. Rhee. 2004. Bioconcentration and Redeposition of Polychlorinated Biphenyls by Zebra Mussels (*Dreissena polymorpha*) in the Hudson River. *Water Res.* 38(3):769–777.
- Chriscinske, M. 2001. Zebra Mussels Observed on Dragonfly Larvae in Otter Lake. *Williamsonia* 5(4):9.
- Ciereszko, A., K. Dabrowski, B. Piros, M. Kwasnik & J. Glogowski. 2001. Characterization of Zebra Mussel (*Dreissena polymorpha*) Sperm Motility: Duration of Movement, Effects of Cations, pH and Gossypol. *Hydrobiologia* 452(1–3):225–232.
- Ciereszko, W. & A. Witeczak. 2002. Concentration of PCBs and Selected Pesticides in Bottom Sediments, Zebra Mussels and in Some More Important Fish Species of the Szczecin Lagoon. *Acta Ichthyol. Piscat.* 32(1):35–40.
- Clarke, A. H. 1992. Ontario's Sydenham River, an Important Refugium for Native Freshwater Mussels Against Competition from the Zebra Mussel *Dreissena polymorpha*. *Malacol. Data Net* 3(1–4):43–55. (Ecoserch series).
- Clarke, M. 1999. The Effect of Food Availability on Byssogenesis by the Zebra Mussel (*Dreissena polymorpha* Pallas). *J. Mollusc. Stud.* 65:327–333.
- Clarke, M. & R. F. McMahon. 1996. Comparison of Byssal Attachment in Dreissenid and Mytilid Mussels: Mechanisms, Morphology, Secretion, Biochemistry, Mechanics and Environmental Influences. *Malacol. Rev.* 29(1–2):1–16.
- Clarke, M. & R. F. McMahon. 1996. Effects of Current Velocity on Byssal-Thread Production in the Zebra Mussel (*Dreissena polymorpha*). *Can. J. Zool.* 74(1):63–69.
- Clarke, M. & R. F. McMahon. 1996. Effects of Hypoxia and Low-Frequency Agitation on Byssogenesis in the Freshwater Mussel *Dreissena polymorpha* (Pallas). *Biol. Bull.* 191(3):413–420.
- Clarke, M. & R. F. McMahon. 1996. Effects of Temperature on Byssal Thread Production by the Freshwater Mussel, *Dreissena polymorpha* (Pallas). *Am. Malacol. Bull.* 13(1–2):105–110.
- Claxton, W. T. & E. G. Boulding. 1998. A New Molecular Technique for Identifying Field Collections of Zebra Mussel (*Dreissena polymorpha*) and Quagga Mussel (*Dreissena bugensis*) Veliger Larvae Applied to Eastern Lake Erie, Lake Ontario, and Lake Simcoe. *Can. J. Zool.* 76(1):194–198.
- Claxton, W. T. & G. L. Mackie. 1998. Seasonal and Depth Variations in Gametogenesis and Spawning of *Dreissena polymorpha* and *Dreissena bugensis* in Eastern Lake Erie. *Can. J. Zool.* 76(11):2010–2019.
- Claxton, W. T., A. Martel, R. M. Dermott & E. G. Boulding. 1997. Discrimination of Field-Collected Juveniles of Two Introduced Dreissenids (*Dreissena polymorpha* and *Dreissena bugensis*) Using Mitochondrial DNA and Shell Morphology. *Can. J. Fish. Aquat. Sci.* 54(6):1280–1288.
- Claxton, W. T., A. B. Wilson, G. L. Mackie & E. G. Boulding. 1998. A Genetic and Morphological Comparison of Shallow- and Deep-Water Populations of the Introduced Dreissenid Bivalve *Dreissena bugensis*. *Can. J. Zool.* 76(7):1269–1276.
- Clayton, M. E., R. Steinmann & K. Fent. 2000. Different Expression Patterns of Heat Shock Proteins Hsp 60 and Hsp 70 in Zebra Mussels (*Dreissena polymorpha*) Exposed to Copper and Tributyltin. *Aquat. Toxicol.* 47(3–4):213–226.
- Cleven, E. J. & P. Frenzel. 1993. Population-Dynamics and Production of *Dreissena polymorpha* (Pallas) in River Seerhein, the Outlet of Lake Constance (Obersee). *Arch. Hydrobiol.* 127(4):395–407.

- Clipa, H. F., I. Redinciu, M. Vizureanu & I. Tacalo. 2002. Notes Regarding the Presence of Zebra Mussel *Dreissena polymorpha* Pallas 1771 (Lamellibranchiata, Heterodonta) in Stinca Costesti Reservoir (Botosani County), Chirita Reservoir (Iasi County) and Solesti Reservoir (Vaslui County). *Analele Stiintifice ale Universitatii "Al. I. Cuza" din Iasi Sectiunea Biologie Animala (Romania)* 48:109–112.
- Cloe, W. W., G. C. Garman & S. A. Stranko. 1995. The Potential of the Bull-Chub (*Nocomis raneyi*) as a Predator of the Zebra-Mussel (*Dreissena polymorpha*) in Mid-Atlantic Coastal Rivers. *Am. Midl. Nat.* 133(1):170–176.
- Coakley, J. P., G. R. Brown, S. E. Ioannou & M. N. Charlton. 1997. Colonization Patterns and Densities of Zebra Mussel *Dreissena* in Muddy Offshore Sediments of Western Lake Erie, Canada. *Water Air Soil Pollut.* 99(1–4):623–632.
- Coakley, J. P., N. Rasul, S. E. Ioannou & G. R. Brown. 2002. Soft Sediment as a Constraint on the Spread of the Zebra Mussel in Western Lake Erie: Processes and Impacts. *Aquat. Ecosyst. Health Manage.* 5(3):329–343.
- Cobb, S. E. & M. C. Watzin. 2002. Zebra Mussel Colonies and Yellow Perch Foraging: Spatial Complexity, Refuges, and Resource Enhancement. *J. Great Lakes Res.* 28(2):256–263.
- Cohen, J. 1994. Flood flexes its mussels. *Science* 263:1226.
- Concha, D. L. & A. M. Anadon. 2008. The Zebra Mussel Invasion in Spain and Navigation Rules. *Aquatic Invasions* 3(3):315–324.
- Comba, M. E., J. L. Metcalfe-Smith & K. L. E. Kaiser. 1996. Zebra Mussels as Biomonitors for Organic Contaminants in the Lower Great Lakes. *Water Qual. Res. J. Canada* 31(2):411–430.
- Comeau, S., S. Rainville, W. Baldwin, E. Austin, S. Gerstenberger, C. Cross & W. H. Wong. 2011. Susceptibility of Quagga Mussels (*Dreissena rostriformis bugensis*) to Hot-Water Sprays as a Means of Watercraft Decontamination. *Biofouling* 27(3):267–274.
- Conides, A., T. Koussouris, K. Gritzalis & I. Bertahas. 1995. Zebra Mussel, *Dreissena polymorpha*: Population Dynamics and Notes on Control Strategies in a Reservoir in Western Greece. *Lake Reservoir Manage.* 11(4):329–336.
- Conn, D. B. & D. A. Conn. 1995. Experimental-Infection of Zebra Mussels *Dreissena polymorpha* (Mollusca, Bivalvia) by Metacercariae of *Echinoparyphium* sp. (Platyhelminthes, Trematoda). *J. Parasitol.* 81(2):304–305.
- Conn, D. B., A. Ricciardi, M. N. Babapulle, K. A. Klein & D. A. Rosen. 1996. *Chaetogaster limnaei* (Annelida: Oligochaeta) as a Parasite of the Zebra Mussel *Dreissena polymorpha*, and the Quagga Mussel *Dreissena bugensis* (Mollusca: Bivalvia). *Parasitol. Res.* 82(1):1–7.
- Conn, D. B., S. E. Simpson, D. Minchin & F. E. Lucy. 2008. Occurrence of *Conchophthirus acuminatus* (Protista: Ciliophora) in *Dreissena polymorpha* (Mollusca: Bivalvia) Along the River Shannon, Ireland. *Biol. Invasions* 10(2):149–156.
- Connelly, N. A., C. R. O'Neill, B. A. Knuth & T. L. Brown. 2007. Economic Impacts of Zebra Mussels on Drinking Water Treatment and Electric Power Generation Facilities. *Environ. Manage.* 40(1):105–112.
- Conroy, J. D. & D. A. Culver. 2005. Do Dreissenid Mussels Affect Lake Erie Ecosystem Stability Processes? *Am. Midl. Nat.* 153(1):20–32.
- Conroy, J. D., W. J. Edwards, R. A. Pontius, D. D. Kane, H. Y. Zhang, J. F. Shea, J. N. Richey & D. A. Culver. 2005. Soluble Nitrogen and Phosphorus Excretion of Exotic Freshwater Mussels (*Dreissena* spp.): Potential Impacts for Nutrient Remineralisation in Western Lake Erie. *Freshw. Biol.* 50(7):1146–1162.
- Conroy, J. D., D. D. Kane, D. M. Dolan, W. J. Edwards, M. N. Charlton & D. A. Culver. 2005. Temporal Trends in Lake Erie Plankton Biomass: Roles of External Phosphorus Loading and Dreissenid Mussels. *J. Great Lakes Res.* 31:89–110.
- Contardo-Jara, V., A. Krueger, H. J. Exner & C. Wiegand. 2009. Biotransformation and Antioxidant Enzymes of *Dreissena polymorpha* for Detection of Site Impact in Watercourses of Berlin. *J. Environ. Monit.* 11(6):1147–1156.
- Contardo-Jara, V., C. Lorenz, S. Pflugmacher, G. Nuetzmann, W. Kloas & C. Wiegand. 2011. Exposure to Human Pharmaceuticals Carbamazepine, Ibuprofen and Bezafibrate Causes Molecular Effects in *Dreissena polymorpha*. *Aquat. Toxicol.* 105(3–4):428–437.
- Contardo-Jara, V., C. Lorenz, S. Pflugmacher, G. Nuetzmann, W. Kloas & C. Wiegand. 2011. Molecular Effects and Bioaccumulation of Levonorgestrel in the Non-Target Organism *Dreissena polymorpha*. *Environ. Pollut.* 159(1):38–44.
- Contardo-Jara, V., S. Pflugmacher, G. Nuetzmann, W. Kloas & C. Wiegand. 2010. The Beta-Receptor Blocker Metoprolol Alters Detoxification Processes in the Non-Target Organism *Dreissena polymorpha*. *Environ. Pollut.* 158(6):2059–2066.
- Contardo-Jara, V. & C. Wiegand. 2008. Molecular Biomarkers of *Dreissena polymorpha* for Evaluation of Renaturation Success of a Formerly Sewage Polluted Stream. *Environ. Pollut.* 155(1):182–189.
- Cooley, J. M. 1991. Zebra Mussels. *J. Great Lakes Res.* 17(1):1–2.
- Coons, K., D. J. McCabe & J. E. Marsden. 2004. The Effects of Strobe Lights on Zebra Mussel Settlement and Movement Patterns. *J. Freshw. Ecol.* 19(1):1–8.
- Cope, W. G., M. R. Bartsch & R. R. Hayden. 1997. Longitudinal Patterns in Abundance of the Zebra Mussel (*Dreissena polymorpha*) in the Upper Mississippi River. *J. Freshw. Ecol.* 12(2):235–238.
- Cope, W. G., M. R. Bartsch & J. E. Hightower. 2006. Population Dynamics of Zebra Mussels *Dreissena polymorpha* (Pallas, 1771) During the Initial Invasion of the Upper Mississippi River, USA. *J. Mollusc. Stud.* 72:179–188.
- Cope, W. G., M. R. Bartsch & L. L. Marking. 1997. Efficacy of Candidate Chemicals for Preventing Attachment of Zebra Mussels (*Dreissena polymorpha*). *Environ. Toxicol. Chem.* 16(9):1930–1934.
- Cope, W. G., M. R. Bartsch, R. G. Rada, S. J. Balogh, J. E. Rupperecht, R. D. Young & D. K. Johnson. 1999. Bioassessment of Mercury, Cadmium, Polychlorinated Biphenyls, and Pesticides in the Upper Mississippi River with Zebra Mussels (*Dreissena polymorpha*). *Environ. Sci. Technol.* 33(24):4385–4390.
- Cope, W. G., T. J. Newton & C. M. Gatenby. 2003. Review of Techniques to Prevent Introduction of Zebra Mussels (*Dreissena polymorpha*) During Native Mussel (Unionoidae) Conservation Activities. *J. Shellfish Res.* 22(1):177–184.
- Costa, R., D. C. Aldridge & G. D. Moggridge. 2008. Seasonal Variation of Zebra Mussel Susceptibility to Molluscicidal Agents. *J. Appl. Ecol.* 45(6):1712–1721.
- Costa, R., D. C. Aldridge & G. D. Moggridge. 2011. Preparation and Evaluation of Biocide-Loaded Particles to Control the Biofouling Zebra Mussel, *Dreissena polymorpha*. *Chem. Eng. Res. Des.* 89(11A):2322–2329.
- Costa, R., P. Elliott, D. C. Aldridge & G. D. Moggridge. 2011. Enhanced Mortality of the Biofouling Zebra Mussel, *Dreissena polymorpha*, Through the Application of Combined Control Agents. *J. Great Lakes Res.* 37(2):272–278.
- Costa, R., P. Elliott, P. M. Saraiva, D. Aldridge & G. D. Moggridge. 2008. Development of Sustainable Solutions for Zebra Mussel Control Through Chemical Product Engineering. *Chin. J. Chem. Eng.* 16(3):435–440.

- Costello, D. M., L. M. Brown & G. A. Lamberti. 2009. Acute Toxic Effects of Ionic Liquids on Zebra Mussel (*Dreissena polymorpha*) Survival and Feeding. *Green Chem.* 11(4):548–553.
- Cotner, J. B., W. S. Gardner, J. R. Johnson, R. H. Sada, J. F. Cavaletto & R. T. Heath. 1995. Effects of Zebra Mussels (*Dreissena polymorpha*) on Bacterioplankton: Evidence for Both Size-Selective Consumption and Growth Stimulation. *J. Great Lakes Res.* 21(4):517–528.
- Cottrell, C. M., J. M. Dormon, T. Debies, D. G. Allen & J. K. Spelt. 2000. Zebra Mussel Biofouling as Function of Copper Dissolution Rate. *J. Environ. Eng. AACE* 126(4):340–347.
- Coulter, D. P., B. A. Murry, W. C. Webster & D. G. Uzarski. 2011. Effects of Dreissenid Mussels, Chironomids, Fishes, and Zooplankton on Growth of Round Goby in Experimental Aquaria. *J. Freshw. Ecol.* 26(2):155–162.
- Craves, J. A. 1992. Zebra Mussels. *Freshw. Mar. Aquar.* 15(2):43–45.
- Cross, C. L., W. H. Wong & T. Che. 2011. Estimating Carrying Capacity of Quagga Mussels (*Dreissena rostriformis bugensis*) in a Natural System: A Case Study of the Boulder Basin of Lake Mead, Nevada–Arizona. *Aquatic Invasions* 6(2):141–147.
- Custer, C. M. & T. W. Custer. 1996. Food Habits of Diving Ducks in the Great Lakes After the Zebra Mussel Invasion. *J. Field Ornithol.* 67(1): 86–99.
- Custer, C. M. & T. W. Custer. 1997. Occurrence of Zebra Mussels in Near-Shore Areas of Western Lake Erie. *J. Great Lakes Res.* 23(1): 108–115.
- Custer, C. M. & T. W. Custer. 2000. Organochlorine and Trace Element Contamination, in Wintering and Migrating Diving Ducks in the Southern Great Lakes, USA, Since the Zebra Mussel Invasion. *Environ. Toxicol. Chem.* 19(11):2821–2829.
- Czarnoleski, M., J. Kozłowski, P. Kubajak, K. Lewandowski, T. Muller, A. Stanczykowska & K. Surowka. 2006. Cross-Habitat Differences in Crush Resistance and Growth Pattern of Zebra Mussels (*Dreissena polymorpha*): Effects of Calcium Availability and Predator Pressure. *Arch. Hydrobiol.* 165(2):191–208.
- Czarnoleski, M., J. Kozłowski, K. Lewandowski, M. Mikolajczyk, T. Muller & A. Stanczykowska. 2005. Optimal Resource Allocation Explains Changes in the Zebra Mussel Growth Pattern Through Time. *Evol. Ecol. Res.* 7(6):821–835.
- Czarnoleski, M., J. Kozłowski, A. Stanczykowska & K. Lewandowski. 2003. Optimal Resource Allocation Explains Growth Curve Diversity in Zebra Mussels. *Evol. Ecol. Res.* 5(4):571–587.
- Czarnoleski, M., L. Michalczyk & A. Pajdak-Stos. 2004. Substrate Preference in Settling Zebra Mussels *Dreissena polymorpha*. *Arch. Hydrobiol.* 159(2):263–270.
- Czarnoleski, M., T. Mueller, J. Kierat, L. Gryczkowski & L. Chybowski. 2011. Anchor Down or Hunker Down: An Experimental Study on Zebra Mussels' Response to Predation Risk from Crayfish. *Anim. Behav.* 82(3):543–548.
- Czarnoleski, M., T. Muller, K. Adamus, G. Ogorzelska & M. Sog. 2010. Injured Conspecifics Alter Mobility and Byssus Production in Zebra Mussels *Dreissena polymorpha*. *Fundament. Appl. Limnol.* 176(3):269–278.
- Dall, P. C. & K. Hamburger. 1996. Recruitment and Growth of *Dreissena polymorpha* in Lake Esrom, Denmark. *Limnologica* 26(1):27–37.
- Dauberschmidt, C., D. R. Dietrich & C. Schlatter. 1996. Toxicity of Organophosphorus Insecticides in the Zebra Mussel, *Dreissena polymorpha* Pallas. *Arch. Environ. Contam. Toxicol.* 30(3):373–378.
- Dauberschmidt, C., D. R. Dietrich & C. Schlatter. 1997. Esterases in the Zebra Mussel *Dreissena polymorpha*: Activities, Inhibition, and Binding to Organophosphates. *Aquat. Toxicol.* 37(4):295–305.
- Dauberschmidt, C., D. R. Dietrich & C. Schlatter. 1997. Investigations on the Biotransformation Capacity of Organophosphates in the Mollusc *Dreissena polymorpha* Pallas. *Aquat. Toxicol.* 37(4):283–294.
- Dauberschmidt, C., D. R. Dietrich & C. Schlatter. 1997. Organophosphates in the Zebra Mussel *Dreissena polymorpha*: Subacute Exposure, Body Burdens, and Organ Concentrations. *Arch. Environ. Contam. Toxicol.* 33(1):42–46.
- Daunys, D., P. Zemlys, S. Olenin, A. Zaiko & C. Ferrarin. 2006. Impact of the Zebra Mussel *Dreissena polymorpha* Invasion on the Budget of Suspended Material in a Shallow Lagoon Ecosystem. *Helgol. Mar. Res.* 60(2):113–120.
- David, K. A., B. M. Davis & R. D. Hunter. 2009. Lake St. Clair Zooplankton: Evidence for Post-*Dreissena* Changes. *J. Freshw. Ecol.* 24(2):199–209.
- Defrancesco, L. 2001. Radio Waves Could Keep Zebra Mussels at Bay. *Scientist* 15(18):16.
- De Lafontaine, Y., G. Costan & F. Delisle. 2002. Testing a New Anti-Zebra Mussel Coating with a Multi-Plate Sampler: Confounding Factors and Other Fuzzy Features. *Biofouling* 18(1):1–12.
- De Lafontaine, Y., F. Gagne, C. Blaise, G. Costan, P. Gagnon & H. M. Chan. 2000. Biomarkers in Zebra Mussels (*Dreissena polymorpha*) for the Assessment and Monitoring of Water Quality of the St Lawrence River (Canada). *Aquat. Toxicol.* 50(1–2):51–71.
- De Leeuw, J. J. 1999. Food Intake Rates and Habitat Segregation of Tufted Duck *Aythya fuligula* and Scaup *Aythya marila* Exploiting Zebra Mussels *Dreissena polymorpha*. *Ardea* 87(1):15–31.
- De Leeuw, J. J. & M. R. Van Eerden. 1992. Size Selection in Diving Tufted Ducks *Aythya fuligula* Explained by Differential Handling of Small and Large Mussels *Dreissena polymorpha*. *Ardea* 80(3):353–362.
- De Leeuw, J. J., M. R. Van Eerden & G. H. Visser. 1999. Wintering Tufted Ducks *Aythya fuligula* Diving for Zebra Mussels *Dreissena polymorpha* Balance Feeding Costs Within Narrow Margins of Their Energy Budget. *J. Avian Biol.* 30(2):182–192.
- Denkenberger, J. S., D. M. O'Donnell, C. T. Driscoll & S. W. Effler. 2007. Robotic Monitoring to Assess Impacts of Zebra Mussels and Assimilative Capacity for a River. *J. Environ. Eng.* 133(5):498–506.
- Denson, D. R. & S. Y. Wang. 1994. Morphological Differences Between Zebra and Quagga Mussel Spermatozoa. *Am. Malacol. Bull.* 11(1):79–81.
- Denson, D. R. & S. Y. Wang. 1998. Distinguishing the Dark Falsemussel, *Mytilopsis leucophaeata* (Conrad, 1831), from the Non-Indigenous Zebra and Quagga Mussels, *Dreissena* spp., Using Spermatozoan External Morphology. *Veliger* 41(2):205–207.
- Depew, D. C., S. J. Guildford & R. E. H. Smith. 2006. Nearshore-Offshore Comparison of Chlorophyll-*a* and Phytoplankton Production in the Dreissenid Colonized Eastern Basin of Lake Erie. *Can. J. Fish. Aquat. Sci.* 63(5):1115–1129.
- Depew, D. C., A. J. Houben, S. J. Guildford & R. E. Hecky. 2011. Distribution of Nuisance *Cladophora* in the Lower Great Lakes: Patterns with Land Use, Near Shore Water Quality and Dreissenid Abundance. *J. Great Lakes Res.* 37(4):656–671.
- Depew, D. C., A. J. Houben, T. Ozersky, R. E. Hecky & S. J. Guildford. 2011. Submerged Aquatic Vegetation in Cook's Bay, Lake Simcoe: Assessment of Changes in Response to Increased Water Transparency. *J. Great Lakes Res.* 37(Suppl. 3):72–82.
- Dermott, R., R. Bonnell & P. Jarvis. 2005. Population Status of the Amphipod *Diporeia* in Eastern North American Lakes with or Without *Dreissena*. *Int. Assoc. Theoret. Appl. Limnol.* 29(2):880–886.

- Dermott, R. & D. Kerec. 1997. Changes to the Deepwater Benthos of Eastern Lake Erie Since the Invasion of *Dreissena*: 1979–1993. *Can. J. Fish. Aquat. Sci.* 54(4):922–930.
- Dermott, R. & M. Munawar. 1993. Invasion of Lake Erie Offshore Sediments by *Dreissena*, and Its Ecological Implications. *Can. J. Fish. Aquat. Sci.* 50(11):2298–2304.
- Dermott, R. & M. Munawar. 2002. Structural Changes in Lake Erie Food-Web Due to Biological Invasions. *Int. Assoc. Theoret. Appl. Limnol.* 28:831–835.
- Dermott, R., M. Munawar, S. Carou, R. Bonnell & H. Niblock. 2005. Is Sediment or Pseudofeces Toxicity Responsible for the Decline of the Amphipod *Diporeia hoyi* in Lakes Erie and Ontario? *Aquat. Ecosyst. Manage.* 8:11–20.
- Dermott, R., M. Munawar & J. Lorimer. 1998. Submersible Confirmation of the Profuse Abundance of *Dreissena* on Sediments in Lake Erie: Implications to Food Web. *Int. Assoc. Theoret. Appl. Limnol.* 26(4):2044–2047.
- Descy, J. P., E. Everbecq, V. Gosselain, L. Viroux & J. S. Smits. 2003. Modelling the Impact of Benthic Filter-Feeders on the Composition and Biomass of River Plankton. *Freshw. Biol.* 48:404–417.
- De Stasio, B. T. & S. Richman. 1998. Phytoplankton Spatial and Temporal Distributions in Green Bay, Lake Michigan, Prior to Colonization by the Zebra Mussel (*Dreissena polymorpha*). *J. Great Lakes Res.* 24(3):620–628.
- De Stasio, B. T., M. B. Schrimpf, A. E. Beranek & W. C. Daniels. 2008. Increased Chlorophyll *a*, Phytoplankton Abundance, and Cyanobacteria Occurrence Following Invasion of Green Bay, Lake Michigan by Dreissenid Mussels. *Aquatic Invasions* 3(1):21–27.
- DeVanna, K. M., B. L. Bodamer, C. G. Wellington, E. Hammer, C. M. Mayer & J. M. Bossenbroek. 2011. An Alternative Hypothesis to Invasional Meltdown in the Laurentian Great Lakes Region: General Facilitation by *Dreissena*. *J. Great Lakes Res.* 37(4):632–641.
- Devi, V. U. 1995. Big-Accumulation and Metabolic Effects of Zinc on Marine Fouling Dreissinid Bivalve, *Mytilopsis sallei* (Recluz). *Water Air Soil Pollut.* 81(3–4):295–304.
- Devi, V. U. 1996. Bioaccumulation and Metabolic Effects of Cadmium on Marine Fouling Dreissenid Bivalve, *Mytilopsis sallei* (Recluz). *Arch. Environ. Contam. Toxicol.* 31(1):47–53.
- Devi, V. U. 1996. Changes in Oxygen Consumption and Biochemical Composition of the Marine Fouling Dreissinid Bivalve *Mytilopsis sallei* (Recluz) Exposed to Mercury. *Ecotoxicol. Environ. Saf.* 33(2):168–174.
- Diers, J. A., J. J. Bowling, S. O. Duke, S. Wahyuono, M. Kelly & M. T. Hamann. 2006. Zebra Mussel Antifouling Activity of the Marine Natural Product Aaptamine and Analogs. *Mar. Biotechnol. (NY)* 8(4):366–372.
- Diers, J. A., H. K. Pennaka, J. N. Peng, J. J. Bowling, S. O. Duke & M. T. Hamann. 2004. Structural Activity Relationship Studies of Zebra Mussel Antifouling and Antimicrobial Agents from Verongid Sponges. *J. Nat. Prod.* 67(12):2117–2120.
- Dieterich, A., M. Mortl & R. Eckmann. 2004. The Effects of Zebra Mussels (*Dreissena polymorpha*) on the Foraging Success of Eurasian Perch (*Perca fluviatilis*) and Ruffe (*Gymnocephalus cernuus*). *Int. Rev. Hydrobiol.* 89(3):229–237.
- Dietz, T. H. & R. A. Byrne. 1999. Measurement of Sulfate Uptake and Loss in the Freshwater Bivalve *Dreissena polymorpha* Using a Semi-Microassay. *Can. J. Zool.* 77(2):331–336.
- Dietz, T. H., R. A. Byrne, J. W. Lynn & H. Silverman. 1995. Paracellular Solute Uptake by the Fresh-Water Zebra Mussel *Dreissena polymorpha*. *Am. J. Physiol. Regul. Integr. Comp. Physiol.* 269(2):R300–R307.
- Dietz, T. H., D. Lessard, H. Silverman & J. W. Lynn. 1994. Osmoregulation in *Dreissena polymorpha*: The Importance of Na, Cl, K, and Particularly Mg. *Biol. Bull.* 187(1):76–83.
- Dietz, T. H., S. J. Wilcox, R. A. Byrne, J. W. Lynn & H. Silverman. 1996. Osmotic and Ionic Regulation of North American Zebra Mussels (*Dreissena polymorpha*). *Am. Zool.* 36(3):364–372.
- Dietz, T. H., S. J. Wilcox, R. A. Byrne & H. Silverman. 1997. Effects of Hyperosmotic Challenge on the Freshwater Bivalve *Dreissena polymorpha*: Importance of K<sup>+</sup>. *Can. J. Zool.* 75(5):697–705.
- Diggins, T. P. 2001. A Seasonal Comparison of Suspended Sediment Filtration by Quagga (*Dreissena bugensis*) and Zebra (*D. polymorpha*) Mussels. *J. Great Lakes Res.* 27(4):457–466.
- Diggins, T. P., R. E. Baier, A. E. Meyer & R. L. Forsberg. 2002. Potential for Selective, Controlled Biofouling by *Dreissena* Species to Intercept Pollutants from Industrial Effluents. *Biofouling* 18(1):29–36.
- Dionisio Pires, L. M. 2004. Toxic Cyanobacteria Are No Problem for Zebra Mussels. *Levende Natuur* 105(6):233–236.
- Dionisio Pires, L. M., B. M. Bontes, E. Van Donk & B. W. Ibelings. 2005. Grazing on Colonial and Filamentous, Toxic, and Non-Toxic Cyanobacteria by Zebra Mussel *Dreissena polymorpha*. *J. Plankton Res.* 27:331–339.
- Dionisio Pires, L. M., B. W. Ibelings, M. Brehm & E. Van Donk. 2005. Comparing Grazing of Lake Seston by *Dreissena* and *Daphnia*: Lessons for Biomanipulations. *Microb. Ecol.* 50:242–252.
- Dionisio Pires, L. M., R. R. Jonker, E. Van Donk & H. J. Laanbroek. 2004. Selective Grazing by Adults and Larvae of the Zebra Mussel (*Dreissena polymorpha*): Application of Flow Cytometry to Natural Selection. *Freshw. Biol.* 49:116–126.
- Dionisio Pires, L. M., K. Karlsson, J. A. O. Meriluoto, E. Kardinaal, P. M. Visser, K. Siewertsen, E. Van Donk & B. W. Ibelings. 2004. Assimilation and Depuration of Microcystin-LR by Zebra Mussel, *Dreissena polymorpha*. *Aquat. Toxicol.* 69:385–396.
- Dionisio Pires, L. M., R. Kusserow & E. Van Donk. 2003. Influence of Toxic and Non-Toxic Phytoplankton on Feeding and Survival of *Dreissena polymorpha* (Pallas) Larvae. *Hydrobiologia* 491:193–200.
- Dionisio Pires, L. M. & E. Van Donk. 2002. Comparing Grazing by *Dreissena polymorpha* on Phytoplankton in the Presence of Toxic and Non-Toxic Cyanobacteria. *Freshw. Biol.* 47(10):1855–1865.
- Djuricich, P. & J. Janssen. 2001. Impact of Round Goby Predation on Zebra Mussel Size Distribution at Calumet Harbor, Lake Michigan. *J. Great Lakes Res.* 27(3):312–318.
- Dobson, E. P. & C. L. Mackie. 1998. Increased Deposition of Organic Matter, Polychlorinated Biphenyls, and Cadmium by Zebra Mussels (*Dreissena polymorpha*) in Western Lake Erie. *Can. J. Fish. Aquat. Sci.* 55(5):1131–1139.
- Doherty, F. G., D. W. Evans & E. F. Neuhauser. 1993. An Assessment of Total and Leachable Contaminants in Zebra Mussels (*Dreissena polymorpha*) from Lake Erie. *Ecotoxicol. Environ. Saf.* 25(3):328–340.
- Domagala, J. 1997. Annual Reproductive Cycle of the Females of *Dreissena polymorpha* (Pall.) from Lake Inulec. *Pol. Arch. Hydrobiol.* 44(4):467–475.
- Domn, S., R. W. Mccauley, E. Kott & J. D. Ackerman. 1993. Physiological and Taxonomic Separation of Two Dreissenid Mussels in the Laurentian Great-Lakes. *Can. J. Fish. Aquat. Sci.* 50(11):2294–2297.

- Dorgelo, J. & M. H. S. Kraak. 1993. Seasonal-Variation in Tissue Dry Biomass and Its Relative Ash and Organic-Carbon and Nitrogen-Content in the Fresh-Water Mussel *Dreissena polymorpha* (Pallas). *Arch. Hydrobiol.* 127(4):409–421.
- Dormon, J. M., C. Coish, C. Cottrell, D. G. Allen & J. K. Spelt. 1997. Modes of Byssal Failure in Forced Detachment of Zebra Mussels. *J. Environ. Eng. ASCE* 123(9):933–938.
- Dormon, J. M., M. Cottrell, D. G. Allen, J. D. Ackerman & J. K. Spelt. 1996. Copper and Copper–Nickel Alloys as Zebra Mussel Antifoulants. *J. Environ. Eng.* 122(4):276–283.
- Doyen, P., A. Bigot, P. Vasseur & F. Rodius. 2008. Molecular Cloning and Expression Study of Pi-Class Glutathione S-Transferase (Pi-GST) and Selenium-Dependent Glutathione Peroxidase (Se-GPX) Transcripts in the Freshwater Bivalve *Dreissena polymorpha*. *Comp. Biochem. Physiol. C Toxicol. Pharmacol.* 147(1):69–77.
- Drake, J. M. & J. M. Bossenbroek. 2004. The Potential Distribution of Zebra Mussels in the United States. *Bioscience* 54(10):931–941.
- Drake, J. M. & J. M. Bossenbroek. 2009. Profiling Ecosystem Vulnerability to Invasion by Zebra Mussels with Support Vector Machines. *Theoret. Ecol.* 2(4):189–198.
- Drewa, G., D. Andruszczak, M. Chesy, L. Kozica-Raszeja, K. Palgan & Z. Zbytniewski. 1992. The Influence of Anionic Detergent and Diesel Fuel Oil on Arylsulphatase and Acid Phosphatase Activity in *Gasterosteus aculeatus* L. and *Dreissena polymorpha* Pall. *Pol. Arch. Hydrobiol.* 39(1):161–170.
- Drozdowski, A., L. Wasielewski & R. Wisniewski. 1993. The Influence of Oxygen Concentration on Open Shell Phase Duration in *Dreissena polymorpha* (Pallas, 1771). *Acta Universitatis Nicolai Copernici Biologia (Poland)* 43:57–64.
- Drozdowski, A. & R. Wisniewski. 1993. The Influence of Suspension on Shell Activity and the Rate of Filtration in *Dreissena polymorpha* (Pall.). *Acta Universitatis Nicolai Copernici Biologia (Poland)* 45:61–70.
- Duggan, J. P. & S. N. Francoeur. 2007. Relative Abundance of Native and Invasive Amphipods in Western Lake Erie in Relation to Dreissenid Mussel Encrustation and Algal Cover. *J. Freshw. Ecol.* 22(2):201–212.
- Duran, C., M. Lanao, A. Anadon & V. Touya. 2010. Management Strategies for the Zebra Mussel Invasion in the Ebro River Basin, 2010. *Aquatic Invasions* 5(3):309–316.
- Duris, Z., I. Horka & A. Petrussek. 2007. Invasive Zebra Mussel Colonisation of Invasive Crayfish: A Case Study. *Hydrobiologia* 590:43–46.
- Dzialowski, A. R. & W. Jessie. 2009. Zebra Mussels Negate or Mask the Increasing Effects of Nutrient Enrichment on Algal Biomass: A Preliminary Mesocosm Study. *J. Plankton Res.* 31(11):1437–1440.
- Early, T. A. & T. Glonek. 1999. Zebra Mussel Destruction by a Lake Michigan Sponge: Populations, *in Vivo* P-31 Nuclear Magnetic Resonance, and Phospholipid Profiling. *Environ. Sci. Technol.* 33(12):1957–1962.
- Eckroat, L. R. & L. M. Steele. 1993. Comparative Morphology of the Byssi of *Dreissena polymorpha* and *Mytilus edulis*. *Am. Malacol. Bull.* 10(1):103–108.
- Edwards, W. J., L. Babcock-Jackson & D. A. Culver. 2000. Prevention of the Spread of Zebra Mussels During Fish Hatchery and Aquaculture Activities. *North Am. J. Aquaculture* 62(3):229–236.
- Edwards, W. J., L. Babcock-Jackson & D. A. Culver. 2002. Field Testing of Protocols to Prevent the Spread of Zebra Mussels *Dreissena polymorpha* During Fish Hatchery and Aquaculture Activities. *North Am. J. Aquaculture* 64(3):220–223.
- Effler, S. W., S. R. Boone, C. Siegfried & S. L. Ashby. 1998. Dynamics of Zebra Mussel Oxygen Demand in Seneca River, New York. *Environ. Sci. Technol.* 32(6):807–812.
- Effler, S. W., C. M. Brooks, K. Whitehead, B. Wagner, S. M. Doerr, M. Perkins, C. A. Siegfried, L. Walrath & R. P. Canale. 1996. Impact of Zebra Mussel Invasion on River Water Quality. *Water Environ. Res.* 68(2):205–214.
- Effler, S. W., D. A. Matthews, C. M. Brooks-Matthews, M. G. Perkins, C. A. Siegfried & J. M. Hassett. 2004. Water Quality Impacts and Indicators of Metabolic Activity of the Zebra Mussel Invasion of the Seneca River. *J. Am. Water Resour. Assoc.* 40(3):737–754.
- Effler, S. W. & C. Siegfried. 1994. Zebra Mussel (*Dreissena polymorpha*) Populations in the Seneca River, New York: Impact on Oxygen Resources. *Environ. Sci. Technol.* 28(12):2216–2221.
- Effler, S. W. & C. Siegfried. 1998. Tributary Water Quality Feedback from the Spread of Zebra Mussels: Oswego River, New York. *J. Great Lakes Res.* 24(2):453–463.
- Eggleton, M. A., L. E. Miranda & J. P. Kirk. 2004. Assessing the Potential for Fish Predation to Impact Zebra Mussels (*Dreissena polymorpha*): Insight from Bioenergetics Models. *Ecol. Freshw. Fish* 13(2):85–95.
- Ekin, I., M. Bashan & R. Sesen. 2008. Fatty Acid Composition of *Dreissena siouffi* (Locard 1893) (Bivalvia: Dreissenidae) Collected from the Firat River. *Sci. Eng. J. Firat Univ. (Turkey)* 20(2):233–241.
- Elderkin, C. L. & P. L. Klerks. 2001. Shifts in Allele and Genotype Frequencies in Zebra Mussels, *Dreissena polymorpha*, Along the Latitudinal Gradient Formed by the Mississippi River. *J. North Am. Benthol. Soc.* 20(4):595–605.
- Elderkin, C. L. & P. L. Klerks. 2005. Variation in Thermal Tolerance Among Three Mississippi River Populations of the Zebra Mussel, *Dreissena polymorpha*. *J. Shellfish Res.* 24(1):221–226.
- Elderkin, C. L., E. J. Perkins, P. L. Leberg, P. L. Klerks & R. F. Lance. 2004. Amplified Fragment Length Polymorphism (AFLP) Analysis of the Genetic Structure of the Zebra Mussel, *Dreissena polymorpha*, in the Mississippi River. *Freshw. Biol.* 49(11):1487–1494.
- Elderkin, C. L., J. A. Stoeckel, P. L. Klerks & D. J. Berg. 2004. Heritability of Heat Tolerance in Zebra Mussel Veligers. *J. Great Lakes Res.* 30(3):360–366.
- Elliott, P., D. C. Aldridge & G. D. Moggridge. 2008. Zebra Mussel Filtration and Its Potential Uses in Industrial Water Treatment. *Water Res.* 42(6–7):1664–1674.
- Elliott, P., D. C. Aldridge, G. D. Moggridge & M. Chipps. 2005. The Increasing Effects of Zebra Mussels on Water Installations in England. *Water Environ. J.* 19(4):367–375.
- Endicott, D., R. G. Kreis, L. Mackelburg & D. Kandt. 1998. Modeling PCB Bioaccumulation by the Zebra Mussel (*Dreissena polymorpha*) in Saginaw Bay, Lake Huron. *J. Great Lakes Res.* 24(2):411–426.
- Engelken, J. & A. Hildebrandt. 1999. cDNA Cloning and Cadmium-Induced Expression of Metallothionein mRNA in the Zebra Mussel *Dreissena polymorpha*. *Biochem. Cell Biol.* 77(3):237–241.
- Enserink, M. 1999. Predicting Invasions: Biological Invaders Sweep In. *Science* 285:1834–1836.
- Erben, R., J. Lajtner, S. Leiner & S. Bjelic. 1995. Horizontal and Vertical-Distribution of the Zebra Mussel (*Dreissena polymorpha*, Pallas) Larvae in the Modrac Reservoir, Bosnia and Herzegovina. *Int. Rev. Gesamten Hydrobiol.* 80(3):443–452.



- Ermgassen, P. & D. C. Aldridge. 2010. The Zebra Mussel (*Dreissena polymorpha*) Impacts European Bitterling (*Rhodeus amarus*) Load in a Host Freshwater Mussel (*Unio pictorum*). *Hydrobiologia* 654(1):83–92.
- Ermgassen, P. S., E. Zu & D. C. Aldridge. 2011. Predation by the Invasive American Signal Crayfish, *Pacifastacus leniusculus* Dana, on the Invasive Zebra Mussel, *Dreissena polymorpha* Pallas: The Potential for Control and Facilitation. *Hydrobiologia* 658(1):303–315.
- Evans, D. O., A. J. Skinner, R. Allen & M. J. McMurtry. 2011. Invasion of Zebra Mussel, *Dreissena polymorpha*, in Lake Simcoe. *J. Great Lakes Res.* 37(Suppl. 3):36–45.
- Fahnenstiel, G. L., T. B. Bridgeman, G. A. Lang, M. J. McCormick & T. F. Nalepa. 1995. Phytoplankton Productivity in Saginaw Bay, Lake Huron: Effects of Zebra Mussel (*Dreissena polymorpha*) Colonization. *J. Great Lakes Res.* 21(4):465–475.
- Fahnenstiel, G. L., G. A. Lang, T. F. Nalepa & T. H. Johengen. 1995. Effects of Zebra Mussel (*Dreissena polymorpha*) Colonization on Water Quality Parameters in Saginaw Bay, Lake Huron. *J. Great Lakes Res.* 21(4):435–448.
- Fahnenstiel, G., T. Nalepa, S. Pothoven, H. Carrick & D. Scavia. 2010. Lake Michigan Lower Food Web: Long-Term Observations and *Dreissena* Impact. *J. Great Lakes Res.* 36:1–4.
- Fallis, L. C., K. K. Stein, J. W. Lynn & M. J. Misamore. 2010. Identification and Role of Carbohydrates on the Surface of Gametes in the Zebra Mussel, *Dreissena polymorpha*. *Biol. Bull.* 218(1):61–74.
- Fanslow, D. L., T. F. Nalepa & T. H. Johengen. 2001. Seasonal Changes in the Respiratory Electron Transport System (ETS) and Respiration of the Zebra Mussel, *Dreissena polymorpha* in Saginaw Bay, Lake Huron. *Hydrobiologia* 448(1–3):61–70.
- Fanslow, D. L., T. F. Nalepa & G. A. Lang. 1995. Filtration Rates of the Zebra Mussel (*Dreissena polymorpha*) on Natural Seston from Saginaw Bay, Lake Huron. *J. Great Lakes Res.* 21(4):489–500.
- Faria, M., L. Carrasco, S. Diez, M. C. Riva, J. M. Bayona & C. Barata. 2009. Multi-Biomarker Responses in the Freshwater Mussel *Dreissena polymorpha* Exposed to Polychlorobiphenyls and Metals. *Comp. Biochem. Physiol. C Toxicol. Pharmacol.* 149(3):281–288.
- Faria, M., D. Huertas, D. X. Soto, J. O. Grimalt, J. Catalan, M. C. Riva & C. Barata. 2010. Contaminant Accumulation and Multi-Biomarker Responses in Field Collected Zebra Mussels (*Dreissena polymorpha*) and Crayfish (*Procambarus clarkii*), to Evaluate Toxicological Effects of Industrial Hazardous Dumps in the Ebro River (NE Spain). *Chemosphere* 78(3):232–240.
- Faria, M., M. A. Lopez, M. Fernandez-Sanjuan, S. Lacorte & C. Barata. 2010. Comparative Toxicity of Single and Combined Mixtures of Selected Pollutants Among Larval Stages of the Native Freshwater Mussels (*Unio elongatulus*) and the Invasive Zebra Mussel (*Dreissena polymorpha*). *Sci. Total Environ.* 408(12):2452–2458.
- Faria, M., A. Navarro, T. Luckenbach, B. Pina & C. Barata. 2011. Characterization of the Multixenobiotic Resistance (MXR) Mechanism in Embryos and Larvae of the Zebra Mussel (*Dreissena polymorpha*) and Studies on Its Role in Tolerance to Single and Mixture Combinations of Toxicants. *Aquat. Toxicol.* 101(1):78–87.
- Feldheim, K. A., J. E. Brown, D. J. Murphy & C. A. Stepien. 2011. Microsatellite Loci for Dreissenid Mussels (Mollusca: Bivalvia: Dreissenidae) and Relatives: Markers for Assessing Exotic and Native Populations. *Molec. Ecol. Resour.* 11(4):725–732.
- Ferber, D. 2001. Will Black Carp Be the Next Zebra Mussel? *Science* 292(5515):203.
- Fernald, S. H., N. F. Caraco & J. J. Cole. 2007. Changes in Cyanobacterial Dominance Following the Invasion of the Zebra Mussel *Dreissena polymorpha*: Long-Term Results from the Hudson River Estuary. *Estuaries Coasts* 30(1):163–170.
- Fetisov, A. N., A. V. Rubanovich, T. S. Slipchenko & V. A. Shevchenko. 1990. The Influence of Temperature Factor on the Genetic-Structure of *Dreissena polymorpha* Populations. *Genetika* 26(10):1770–1775.
- Fetisov, A. N., A. V. Rubanovich, T. S. Slipchenko & V. A. Shevchenko. 1992. The Structure of *Dreissena polymorpha* Populations from Basins Adjacent to the Chernobyl Atomic Power-Station. *Sci. Total Environ.* 112(1):115–124.
- Fincke, O. M., D. Santiago, S. Hickner & R. Bienek. 2009. Susceptibility of Larval Dragonflies to Zebra Mussel Colonization and Its Effect on Larval Movement and Survivorship. *Hydrobiologia* 624(1):71–79.
- Fincke, O. M. & L. A. Tylczak. 2011. Effects of Zebra Mussel Attachment on the Foraging Behavior of a Larval Dragonfly, *Macromia illinoensis*. *Ecol. Entomol.* 36(6):760–767.
- Findlay, S., M. L. Pace & D. T. Fischer. 1998. Response of Heterotrophic Planktonic Bacteria to the Zebra Mussel Invasion of the Tidal Freshwater Hudson River. *Microb. Ecol.* 36(2):131–140.
- Fisher, S. W. & D. O. Bernard. 1991. Methods for Evaluating Zebra Mussel Control Products in Laboratory and Field Studies. *J. Shellfish Res.* 10(2):367–372.
- Fisher, S. W., H. Dabrowska, D. L. Waller, L. Babcockjackson & X. Zhang. 1994. Of Zebra Mussel (*Dreissena polymorpha*) Life Stages to Candidate Molluscicides. *J. Shellfish Res.* 13(2):373–377.
- Fisher, S. W., H. Hwang, M. Atanasoff & P. F. Landrum. 1999. Lethal Body Residues for Pentachlorophenol in Zebra Mussels (*Dreissena polymorpha*) Under Varying Conditions of Temperature and pH. *Ecotoxicol. Environ. Saf.* 43(3):274–283.
- Fisher, S. W., P. Stromberg, K. A. Bruner & L. D. Boulet. 1991. Molluscicidal Activity of Potassium to the Zebra Mussel, *Dreissena polymorpha*: Toxicity and Mode of Action. *Aquat. Toxicol.* 20(4):219–234.
- Fishman, D. B., S. A. Adlerstein, H. A. Vanderploeg, G. L. Fahnenstiel & D. Scavia. 2009. Causes of Phytoplankton Changes in Saginaw Bay, Lake Huron, During the Zebra Mussel Invasion. *J. Great Lakes Res.* 35(4):482–495.
- Fishman, D. B., S. A. Adlerstein, H. A. Vanderploeg, G. L. Fahnenstiel & D. Scavia. 2010. Phytoplankton Community Composition of Saginaw Bay, Lake Huron, During the Zebra Mussel (*Dreissena polymorpha*) Invasion: A Multivariate Analysis. *J. Great Lakes Res.* 36(1):9–19.
- Fitzsimons, J. D., J. H. Leach, S. J. Nepszy & V. W. Cairns. 1995. Impacts of Zebra Mussel on Walleye (*Stizostedion vitreum*) Reproduction in Western Lake Erie. *Can. J. Fish. Aquat. Sci.* 52(3):578–586.
- Fleischer, G. W., T. J. Desorcie & J. D. Holuszko. 2001. Lake-Wide Distribution of *Dreissena* in Lake Michigan, 1999. *J. Great Lakes Res.* 27(2):252–257.
- Fokin, S. I., L. Giamberini, D. P. Molloy & A. Bij de Vaate. 2003. Bacterial Endocytobionts Within Endosymbiotic Ciliates in *Dreissena polymorpha* (Lamellibranchia: Mollusca). *Acta Protozool.* 42(1):31–39.
- Folino-Rorem, N., J. Stoeckel, E. Thorn & L. Page. 2006. Effects of Artificial Filamentous Substrate on Zebra Mussel (*Dreissena polymorpha*) Settlement. *Biol. Invasions* 8(1):89–96.
- Fong, P. P. 1998. Zebra Mussel Spawning Is Induced in Low Concentrations of Putative Serotonin Reuptake Inhibitors. *Biol. Bull.* 194(2):143–149.
- Fong, P. P., J. Duncan & J. L. Ram. 1994. Inhibition and Sex-Specific Induction of Spawning by Serotonergic Ligands in the Zebra-Mussel *Dreissena polymorpha* (Pallas). *Experientia* 50(5):506–509.

- Fong, P. P., J. D. Hardege & J. L. Ram. 1994. Long-Lasting, Sex-Specific Inhibition of Serotonin-Induced Spawning by Methiothepin in the Zebra Mussel, *Dreissena polymorpha* (Pallas). *J. Exp. Zool.* 270(3):314–320.
- Fong, P. P., K. Kyojuka, H. Abdelghani, J. D. Hardege & J. L. Ram. 1994. *In-Vivo* and *in-Vitro* Induction of Germinal Vesicle Breakdown in a Fresh-Water Bivalve, the Zebra Mussel *Dreissena polymorpha* (Pallas). *J. Exp. Zool.* 269(5):467–474.
- Fong, P. P., K. Kyojuka, J. Duncan, S. Rynkowski, D. Mekasha & J. L. Ram. 1995. The Effect of Salinity and Temperature on Spawning and Fertilization in the Zebra Mussel *Dreissena polymorpha* (Pallas) from North America. *Biol. Bull.* 189(3):320–329.
- Fong, P. P., R. Noordhuis & J. L. Ram. 1993. Dopamine Reduces Intensity of Serotonin-Induced Spawning in the Zebra Mussel *Dreissena polymorpha* (Pallas). *J. Exp. Zool.* 266(1):79–83.
- Fong, P. P., D. M. Wall & J. L. Ram. 1993. Characterization of Serotonin Receptors in the Regulation of Spawning in the Zebra Mussel *Dreissena polymorpha* (Pallas). *J. Exp. Zool.* 267(5):475–482.
- Fordinal, K. 1995. Bivalvia (Dreissenidae, Cardiidae) from Upper Miocene Sediments in Bratislava. *Geologické Práce* 100:27–36.
- Frank, S. N., C. Singer & B. Sures. 2008. Metallothionein (Mt) Response After Chronic Palladium Exposure in the Zebra Mussel, *Dreissena polymorpha*. *Environ. Res.* 108(3):309–314.
- Frasysse, B., J. P. Baudin, J. Garnier-Laplace, C. Adam & A. Boudou. 2002. Effects of Cd and Zn Waterborne Exposure on the Uptake and Depuration of Co-57, Ag-110, and Cs-134 by the Asiatic Clam (*Corbicula fluminea*) and the Zebra Mussel (*Dreissena polymorpha*): Whole Organism Study. *Environ. Pollut.* 118(3):297–306.
- Frasysse, B., J. P. Baudin, J. Garnier-Laplace, A. Boudou, F. Ribeyre & C. Adam. 2000. Cadmium Uptake by *Corbicula fluminea* and *Dreissena polymorpha*: Effects of pH and Temperature. *Bull. Environ. Contam. Toxicol.* 65(5):638–645.
- Freeman, K. J., K. A. Kreiger & D. J. Berg. 2011. The Effect of Dreissenid Mussels on the Survival and Condition of Burrowing Mayflies (*Hexagenia* spp.) in Western Lake Erie. *J. Great Lakes Res.* 37:426–431.
- French, J. R. P., III. 1990. The Exotic Zebra Mussel: A New Threat to Endangered Freshwater Mussels. *Endangered Species Tech. Bull.* 15(11):3–4.
- French, J. R. P., III. 1993. How Well Can Fishes Prey on Zebra Mussels in Eastern North-America. *Fisheries (Bethesda, Md.)* 18(6):13–19.
- French, J. R. P., III. 1997. Pharyngeal Teeth of the Freshwater Drum (*Aplodinotus grunniens*) a Predator of the Zebra Mussel (*Dreissena polymorpha*). *J. Freshw. Ecol.* 12(3):495–498.
- French, J. R. P., III, J. V. Adams, J. Craig, R. G. Stickel, S. J. Nichols & G. W. Fleischer. 2007. Shell-Free Biomass and Population Dynamics of Dreissenids in Offshore Lake Michigan, 2001–2003. *J. Great Lakes Res.* 33:536–545.
- French, J. R. P., III & M. T. Bur. 1996. The Effect of Zebra Mussel Consumption on Growth of Freshwater Drum in Lake Erie. *J. Freshw. Ecol.* 11(3):283–289.
- French, J. R. P., III & J. G. Love. 1995. Size Limitation on Zebra Mussels Consumed by Fresh-Water Drum May Preclude the Effectiveness of Drum as a Biological Controller. *J. Freshw. Ecol.* 10(4):379–383.
- French, J. R. P., III & M. N. Morgan. 1995. Preference of Redear Sunfish on Zebra Mussels and Rams-Horn Snails. *J. Freshw. Ecol.* 10(1):49–55.
- French, J. R. P., III, S. J. Nichols, J. M. Craig, J. D. Allen & M. G. Black. 2006. *In Situ* Growth of Juvenile Zebra Mussels in a Regulated Stream. *J. Freshw. Ecol.* 21(1):25–30.
- Freymark, S. & L. Hale. 1996. Tame Zebra Mussels at Lower Cost Using CLO<sub>2</sub>. *Power* 140(1):21–22.
- Frischer, M. E., A. S. Hansen, J. A. Wyllie, J. Wimbush, J. Murray & S. A. Nierzwick-Bauer. 2002. Specific Amplification of the S-18 rRNA Gene as a Method to Detect Zebra Mussel (*Dreissena polymorpha*) Larvae in Plankton Samples. *Hydrobiologia* 487(1):33–44.
- Frischer, M. E., B. R. Mcgrath, A. S. Hansen, P. A. Vescio, J. A. Wyllie, J. Wimbush & S. A. Nierzwick-Bauer. 2005. Introduction Pathways, Differential Survival of Adult and Larval Zebra Mussels (*Dreissena polymorpha*), and Possible Management Strategies, in an Adirondack Lake, Lake George, NY. *Lake Reservoir Manage.* 21(4):391–402.
- Frischer, M. E., S. A. Nierzwick-Bauer, R. H. Parsons, K. Vathanodorn & K. R. Waitkus. 2000. Interactions Between Zebra Mussels (*Dreissena polymorpha*) and Microbial Communities. *Can. J. Fish. Aquat. Sci.* 57(3):591–599.
- Frisina, A. & L. R. Eckroat. 1992. Histological and Morphological Attributes of the Byssus of the Zebra Mussel, *Dreissena polymorpha* (Pallas). *J. Pa. Acad. Sci.* 66(2):63–67.
- Fry, B. & Y. C. Allen. 2003. Stable Isotopes in Zebra Mussels as Bioindicators of River–Watershed Linkages. *River Res. Appl.* 19(7):683–696.
- Galassi, S., A. Binelli & A. Provini. 1997. *Dreissena polymorpha* as a Bioindicator of PCB Pollution in Lacustrine Environments. *Acqua Aria* 2:61–65.
- Gardner, W. S., J. F. Cavaletto, T. H. Johengen, J. R. Johnson, R. T. Heath & J. B. Cotner. 1995. Effects of the Zebra Mussel, *Dreissena polymorpha*, on Community Nitrogen Dynamics in Saginaw Bay, Lake Huron. *J. Great Lakes Res.* 21(4):529–544.
- Garnier-Laplace, J., F. Vray, J. P. Baudin & L. Jourd'heuil. 1998. The Transaqua Model Applied to Zebra Mussels (*Dreissena polymorpha*) Used for the Biomonitoring of Cs-137 and Ru-106 Contamination. *Can. J. Fish. Aquat. Sci.* 55(4):999–1009.
- Garton, D. W. 2002. Ecological Consequences of Zebra Mussels in North American Lakes. *Lakeline* 22(1):48–51.
- Garton, D. W. & W. R. Haag. 1991. Heterozygosity, Shell Length and Metabolism in the European Mussel, *Dreissena polymorpha*, from a Recently Established Population in Lake Erie. *Comp. Biochem. Physiol. A Physiol.* 99(1–2):45–48.
- Garton, D. W. & L. E. Johnson. 2000. Variation in Growth Rates of the Zebra Mussel, *Dreissena polymorpha*, Within Lake Wawasee. *Freshw. Biol.* 45(4):443–451.
- Garton, D. W., C. D. Payne & J. P. Montoya. 2005. Flexible Diet and Trophic Position of Dreissenid Mussels as Inferred from Stable Isotopes of Carbon and Nitrogen. *Can. J. Fish. Aquat. Sci.* 62(5):1119–1129.
- Gaygusuz, O., C. C. Gaygusuz, A. S. Tarkan, H. Acipinar & Z. Turer. 2007. Preference of Zebra Mussel, *Dreissena polymorpha* in the Diet and Effect on Growth of Gobiids: A Comparative Study Between Two Different Ecosystems. *Ekoloji* 17(65):1–6.
- Geacu, S. 2007. Observations on Some Mammalian Species from the Subcarpathians North-West of Ramnicu Sarat Town (Romania). *Travaux Du Museum National D'Histoire Naturelle Grigore Antipa* 50:405–416.
- Gelda, R. K., S. W. Effler & E. M. Owens. 2001. River Dissolved Oxygen Model with Zebra Mussel Oxygen Demand (ZOD). *J. Environ. Eng.* 127(9):790–801.
- Gelembiuk, G. W., G. E. May & C. E. Lee. 2006. Phylogeography and Systematics of Zebra Mussels and Related Species. *Mol. Ecol.* 15(4):1033–1050.
- Genthner, F. J., J. T. Winstead, J. E. Gillet, A. L. Vanfleet, J. J. Viel, E. E. Genovese & S. Singer. 1997. Effects of a Molluscicidal Strain of *Bacillus alvei* on Digestive Tubules of Zebra Mussels, *Dreissena polymorpha*. *J. Invertebr. Pathol.* 69(3):289–291.

- Gergs, R., J. Grey & K. O. Rothhaupt. 2011. Temporal Variation in Zebra Mussel (*Dreissena polymorpha*) Density Structure the Benthic Food Web and Community Composition on Hard Substrates in Lake Constance, Germany. 2011. *Biol. Invasions* 13(12):2727–2738.
- Gergs, R., K. Rinke & K. O. Rothhaupt. 2009. Zebra Mussels Mediate Benthic–Pelagic Coupling by Biodeposition and Changing Detrital Stoichiometry. *Freshw. Biol.* 54(7):1379–1391.
- Gergs, R. & K. O. Rothhaupt. 2008. Effects of Zebra Mussels on a Native Amphipod and the Invasive *Dikerogammarus villosus*: The Influence of Biodeposition and Structural Complexity. *J. North Am. Benthol. Soc.* 27(3):541–548.
- Gergs, R. & K. O. Rothhaupt. 2008. Feeding Rates, Assimilation Efficiencies and Growth of Two Amphipod Species on Biodeposited Material from Zebra Mussels. *Freshw. Biol.* 53(12):2494–2503.
- Gerstenberger, S. L., S. A. Muetting & W. H. Wong. 2011. Veligers of Invasive Quagga Mussels (*Dreissena rostriformis bugensis* Andrusov 1897) in Lake Mead, Nevada–Arizona. *J. Shellfish Res.* 30(3):933–938.
- Ghedotti, M. J., J. C. Smihula & G. R. Smith. 1995. Zebra Mussel Predation by Round Gobies in the Laboratory. *J. Great Lakes Res.* 21(4):665–669.
- Giamberini, L., M. Auffret & J. C. Pihan. 1996. Haemocytes of the Freshwater Mussel, *Dreissena polymorpha* Pallas: Cytology, Cytochemistry and X-ray Microanalysis. *J. Mollusc. Stud.* 62:367–379.
- Giamberini, L., M. Beauvais, P. Noelle & J. C. Pihan. 1996. Involvement of Hemocytes and Excretory Organs in Lead Accumulation and Detoxication in the Freshwater Mussel, *Dreissena polymorpha* Pallas: Morphological and Microanalytical Studies. *Bull. Acad. Soc. Lorraines Sci.* 35(1):5–21.
- Giamberini, L. & M. P. Cajaraville. 2005. Lysosomal Responses in the Digestive Gland of the Freshwater Mussel, *Dreissena polymorpha*, Experimentally Exposed to Cadmium. *Environ. Res.* 98(2):210–214.
- Giamberini, L., N. Czembor & J. C. Pihan. 1995. Inhibitory Effects of an Organic Molluscicide on Byssal Thread Development in Zebra Mussels. *J. Invertebr. Pathol.* 66(2):205–206.
- Giamberini, L. & J. C. Pihan. 1996. The Pericardial Glands of the Zebra Mussel: Ultrastructure and Implication in Lead Detoxication Process. *Biol. Cell* 86(1):59–65.
- Giamberini, L. & J. C. Pihan. 1997. Lysosomal Changes in the Hemocytes of the Freshwater Mussel *Dreissena polymorpha* Experimentally Exposed to Lead and Zinc. *Dis. Aquat. Organ.* 28(3):221–227.
- Gillis, P. L. & G. L. Mackie. 1994. Impact of the Zebra Mussel, *Dreissena polymorpha*, on Populations of Unionidae (Bivalvia) in Lake St Clair. *Can. J. Zool.* 72(7):1260–1271.
- Gist, D. H., M. C. Miller & W. A. Brence. 1997. Annual Reproductive Cycle of the Zebra Mussel in the Ohio River: A Comparison with Lake Erie. *Arch. Hydrobiol.* 138(3):365–379.
- Glaser, D., J. R. Rhea, D. R. Opdyke, K. T. Russell, C. K. Ziegler, W. Ku, L. Zheng & J. Mastriano. 2009. Model of Zebra Mussel Growth and Water Quality Impacts in the Seneca River, New York. *Lake Reservoir Manage.* 25(1):49–72.
- Glushankova, M., I. Pashkova & I. Chernokozheva. 1991. Accumulation of Heavy Metals in the Soft Tissues and Shells of *Dreissena polymorpha* (Pallas) in Lake Peipsi-Pihkva. *Eesti Teaduste Akadeemia Toimetised Okoloogia* 1(3):115–143.
- Goedkoop, W., R. Naddafi & U. Grandin. 2011. Retention of N and P by Zebra Mussels (*Dreissena polymorpha* Pallas) and Its Quantitative Role in the Nutrient Budget of Eutrophic Lake Ekoln, Sweden. *Biol. Invasions* 13(5):1077–1086.
- Golubkov, S. M., S. Back, V. N. Nikulina, M. I. Orlova, L. E. Anokhina & L. P. Umnova. 2003. Effects of Eutrophication and Invasion of *Dreissena polymorpha* in the Coastal Zone of the Eastern Gulf of Finland. *Proc. Estonian Acad. Sci. Biol. Ecol.* 52(3):218–235.
- Gonzalez, M. J. & A. Downing. 1999. Mechanisms Underlying Amphipod Responses to Zebra Mussel (*Dreissena polymorpha*) Invasion and Implications for Fish–Amphipod Interactions. *Can. J. Fish. Aquat. Sci.* 56(4):679–685.
- Gosling, E., I. Astanei & A. Was. 2008. Genetic Variability in Irish Populations of the Invasive Zebra Mussel, *Dreissena polymorpha*: Discordant Estimates of Population Differentiation from Allozymes and Microsatellites. *Freshw. Biol.* 53(7):1303–1315.
- Gossiaux, D. C., P. F. Landrum & S. W. Fisher. 1996. Effect of Temperature on the Accumulation Kinetics of PAHs and PCBs in the Zebra Mussel, *Dreissena polymorpha*. *J. Great Lakes Res.* 22(2):379–388.
- Gossiaux, D. C., P. F. Landrum & S. W. Fisher. 1998. The Assimilation of Contaminants from Suspended Sediment and Algae by the Zebra Mussel, *Dreissena polymorpha*. *Chemosphere* 36(15):3181–3197.
- Graczyk, T. K., D. B. Conn, F. Lucy, D. Minchin, L. Tamang, L. N. S. Moura & A. J. Dasilva. 2004. Human Waterborne Parasites in Zebra Mussels (*Dreissena polymorpha*) from the Shannon River Drainage Area, Ireland. *Parasitol. Res.* 93(5):385–391.
- Graczyk, T. K., D. B. Conn, D. J. Marcogliese, H. Graczyk & Y. De Lafontaine. 2003. Accumulation of Human Waterborne Parasites by Zebra Mussels (*Dreissena polymorpha*) and Asian Freshwater Clams (*Corbicula fluminea*). *Parasitol. Res.* 89(2):107–112.
- Graczyk, T. K., F. E. Lucy, L. Tamang, D. Minchin & A. Miraflor. 2008. Assessment of Human Waterborne Parasites in Irish River Basin Districts: Use of Zebra Mussels (*Dreissena polymorpha*) as Bioindicators. *Aquatic Invasions* 3(3):305–313.
- Graczyk, T. K., D. J. Marcogliese, Y. De Lafontaine, A. J. Da Silva, B. Mhangami-Ruwende & N. J. Pieniazek. 2001. *Cryptosporidium parvum* Oocysts in Zebra Mussels (*Dreissena polymorpha*): Evidence from the St. Lawrence River. *Parasitol. Res.* 87(3):231–234.
- Green, N. S., B. A. Hazlett & S. Prueff-Jones. 2008. Attachment and Shell Integrity Affects the Vulnerability of Zebra Mussels (*Dreissena polymorpha*) to Predation. *J. Freshw. Ecol.* 23(1):91–99.
- Gregory, T. R. 2003. Genome Size Estimates for Two Important Freshwater Molluscs, the Zebra Mussel (*Dreissena polymorpha*) and the Schistosomiasis Vector Snail (*Biomphalaria glabrata*). *Genome* 46(5):841–844.
- Gregs, R. & K. O. Rothhaupt. 2008. Feeding Rates, Assimilation Efficiencies and Growth of Two Amphipod Species on Biodeposited Material from Zebra Mussels. *Freshw. Biol.* 53:2494–2503.
- Griebeler, E. M. & A. Seitz. 2007. Effects of Increasing Temperatures on Population Dynamics of the Zebra Mussel *Dreissena polymorpha*: Implications from an Individual-Based Model. *Oecologia* 151(3):530–543.
- Griffiths, R. W., D. W. Schloesser, J. H. Leach & W. P. Kovalak. 1991. Distribution and Dispersal of the Zebra Mussel (*Dreissena polymorpha*) in the Great Lakes Region. *Can. J. Fish. Aquat. Sci.* 48(8):1381–1388.
- Grigorovich, I. A., T. R. Angradi & C. A. Stepien. 2008. Occurrence of the Quagga Mussel (*Dreissena bugensis*) and the Zebra Mussel (*Dreissena polymorpha*) in the Upper Mississippi River System. *J. Freshw. Ecol.* 23(3):429–435.
- Grigorovich, I. A., J. R. Kelly, J. A. Darling & C. W. West. 2008. The Quagga Mussel Invades the Lake Superior Basin. *J. Great Lakes Res.* 34(2):342–350.

- Gu, J. D. & R. Mitchell. 2001. Antagonism of Bacterial Extracellular Metabolites to Freshwater-Fouling Invertebrate Zebra Mussels, *Dreissena polymorpha*. *J. Microbiol.* 39(2):133–138.
- Gu, J. D. & R. Mitchell. 2002. Indigenous Microflora and Opportunistic Pathogens of the Freshwater Zebra Mussel, *Dreissena polymorpha*. *Hydrobiologia* 474(1–3):81–90.
- Guerlet, E., K. Ledy, A. Meyer & L. Giamberini. 2007. Towards a Validation of a Cellular Biomarker Suite in Native and Transplanted Zebra Mussels: A 2-Year Integrative Field Study of Seasonal and Pollution-Induced Variations. *Aquat. Toxicol.* 81(4):377–388.
- Guerlet, E., P. Vasseur & L. Giamberini. 2010. Spatial and Temporal Variations of Biological Responses to Environmental Pollution in the Freshwater Zebra Mussel. *Ecotoxicol. Environ. Saf.* 73(6):1170–1181.
- Guleykova, L. V. & A. A. Protasov. 2009. Zooplankton of Cooling Pond of the Khmel'nitsk NPP Under Conditions of Increasing of Technogenic Influence and *Dreissena* Introduction. *Gidrobiol. Zh.* 45(1):19–36.
- Guleykova, L. V. & A. A. Protasov. 2009. Zooplankton of the Cooling Pond of the Khmel'nitskiy Nuclear Power Station Under Conditions of Intensive Technogenic Load and *Dreissena* Introduction. *Hydrobiol. J.* 45(3):16–32.
- Gundacker, C. 1999. Tissue-Specific Heavy Metal (Cd, Pb, Cu, Zn) Deposition in a Natural Population of the Zebra Mussel *Dreissena polymorpha* Pallas. *Chemosphere* 38(14):3339–3356.
- Gutierrez, J. L., C. G. Jones, D. L. Strayer & O. O. Iribarne. 2003. Mollusks as Ecosystem Engineers: Their Functional Roles as Shell Producers in Aquatic Habitats. *Oikos* 101:79–90.
- Haag, K. H. 1994. Ecology and Control of Zebra Mussels in the Eastern United States. *Newsl. Mich. Entomol. Soc.* 39(4):1, 2, 4–6.
- Haag, W. R., D. J. Berg, D. W. Garton & J. L. Farris. 1993. Reduced Survival and Fitness in Native Bivalves in Response to Fouling by the Introduced Zebra Mussel (*Dreissena polymorpha*) in Western Lake Erie. *Can. J. Fish. Aquat. Sci.* 50(1):13–19.
- Haag, W. R. & D. W. Garton. 1992. Synchronous Spawning in a Recently Established Population of the Zebra Mussel, *Dreissena polymorpha*, in Western Lake Erie, USA. *Hydrobiologia* 234(2):103–110.
- Haag, W. R. & D. W. Garton. 1995. Variation in Genotype Frequencies During the Life History of the Bivalve, *Dreissena polymorpha*. *Evolution* 49(6):1284–1288.
- Hallac, D. E. & J. E. Marsden. 2000. Differences in Tolerance to and Recovery from Zebra Mussel (*Dreissena polymorpha*) Fouling by *Elliptio complanata* and *Lampsilis radiata*. *Can. J. Zool.* 78(2):161–166.
- Hallac, D. E. & J. E. Marsden. 2001. Comparison of Conservation Strategies for Unionids Threatened by Zebra Mussels (*Dreissena polymorpha*): Periodic Cleaning Versus Quarantine and Translocation. *J. North Am. Benthol. Soc.* 20(2):200–210.
- Hallstan, S., U. Grandin & W. Goedkoop. 2010. Current and Modeled Potential Distribution of the Zebra Mussel (*Dreissena polymorpha*) in Sweden. *Biol. Invasions* 12(1):285–296.
- Haltuch, M. A., P. A. Berkman & D. W. Garton. 2000. Geographic Information System (GIS) Analysis of Ecosystem Invasion: Exotic Mussels in Lake Erie. *Limnol. Oceanogr.* 45:1778–1787.
- Hamburger, K., P. C. Dall & P. M. Jonasson. 1990. The Role of *Dreissena polymorpha* Pallas (Mollusca) in the Energy Budget of Lake Esrom, Denmark. *Int. Assoc. Theoret. Appl. Limnol. Proc.* 24:621–625.
- Hamilton, D. J. 1992. A Method for Reconstruction of Zebra Mussel (*Dreissena polymorpha*) Length from Shell Fragments. *Can. J. Zool.* 70(12):2486–2490.
- Hamilton, D. L. & D. Ankney. 1994. Consumption of Zebra Mussels *Dreissena polymorpha* by Diving Ducks in Lakes Erie and St. Clair. *Wildfowl* 45:159–166.
- Hamilton, D. J., C. D. Ankney & R. C. Bailey. 1994. Predation of Zebra Mussels by Diving Ducks: An Enclosure Study. *Ecology* 75(2):521–531.
- Hansen, P. D. 1992. Phagocytosis in *Mytilus edulis*, a System for Understanding the Sublethal Effects of Anthropogenic Pollutants and the Use of AOX as an Integrating Parameter for the Study of Equilibria Between Chlorinated Organics in *Dreissena polymorpha*. *Limnol. Aktuell* 4:171–184.
- Hardege, J. D., J. Duncan & J. L. Ram. 1997. Tricyclic Antidepressants Suppress Spawning and Fertilization in the Zebra Mussel, *Dreissena polymorpha*. *Comp. Biochem. Physiol. C Pharmacol. Toxicol. Endocrinol.* 118(1):59–64.
- Harrington, D. K., J. E. Vanbenschoten, J. N. Jensen, D. P. Lewis & E. F. Neuhauser. 1997. Combined Use of Heat and Oxidants for Controlling Adult Zebra Mussels. *Water Res.* 31(11):2783–2791.
- Hart, R. A., M. Davis, J. W. Grier & A. C. Miller. 2001. Survival of Unionids Following Removal of Attached Zebra Mussels. *J. Freshw. Ecol.* 16(1):29–33.
- Hart, R. A. & J. W. Grier. 2004. Simulation Models of Harvested and Zebra Mussel Colonized Threeridge Mussel Populations in the Upper Mississippi River. *Am. Midl. Nat.* 151(2):301–317.
- Harwood, D. B. & D. J. Buda. 1993. Detroit Edison Conquers Zebra Mussels. *Power Eng.* 97(11):35–37.
- Harzhauser, M. & O. Mandic. 2004. The Muddy Bottom of Lake Pannon: A Challenge for Dreissenid Settlement (Late Miocene; Bivalvia). *Palaeogeogr. Palaeoclimatol. Palaeoecol.* 204(3–4):331–352.
- Hastreiter, J. 1993. Zebra Mussels Subdued: Flow Boosted 300-Percent. *J. Am. Water Works Assoc.* 85(5):121–122.
- Haybach, A. & K. H. Christmann. 2009. First Record of the Quagga Mussel *Dreissena rostriformis bugensis* (Andrusov, 1897) in the German Lower Rhine of North Rhine-Westfalia. *Lauterbornia* 67:69–72.
- Haynes, J. M., T. W. Stewart & G. E. Cook. 1999. Benthic Macroinvertebrate Communities in Southwestern Lake Ontario Following Invasion of *Dreissena*: Continuing Change. *J. Great Lakes Res.* 25(4):828–838.
- Haynes, J. M., N. A. Tisch, C. M. Mayer & R. S. Rhyne. 2005. Benthic Macroinvertebrate Communities in Southwestern Lake Ontario Following Invasion of *Dreissena* and *Echinogammarus*: 1983 to 2000. *J. North Am. Benthol. Soc.* 24(1):148–167.
- Hazlett, B. A. 1994. Crayfish Feeding Responses to Zebra Mussels Depend on Microorganisms and Learning. *J. Chem. Ecol.* 20(10):2623–2630.
- Heath, R. T., G. L. Fahnenstiel, W. S. Gardner, J. F. Cavaletto & S. J. Hwang. 1995. Ecosystem-Level Effects of Zebra Mussels (*Dreissena polymorpha*): An Enclosure Experiment in Saginaw Bay, Lake Huron. *J. Great Lakes Res.* 21(4):501–516.
- Hebert, P. D. N., B. W. Muncaster & G. L. Mackie. 1989. Ecological and Genetic Studies on *Dreissena polymorpha* (Pallas): A New Mollusk in the Great Lakes. *Can. J. Fish. Aquat. Sci.* 46(9):1587–1591.
- Hebert, P. D. N., C. C. Wilson, M. H. Murdoch & R. Lazar. 1991. Demography and Ecological Impacts of the Invading Mollusk *Dreissena polymorpha*. *Can. J. Zool.* 69(2):405–409.

- Hecky, R. E., R. E. H. Smith, D. R. Barton, S. J. Guildford, W. D. Taylor, M. N. Charlton & T. Howell. 2004. The Nearshore Phosphorus Shunt: A Consequence of Ecosystem Engineering by Dreissenids in the Laurentian Great Lakes. *Can. J. Fish. Aquat. Sci.* 61(7):1285–1293.
- Heiler, K. C. M., S. Brandt & P. V. von Oheimb. 2011. Introduction of *Dreissena rostriformis bugensis* and Observations of Attachment on Native Molluscs in the Main River (Bivalvia: Veneroidea: Dreissenidae). *Mitteilungen der Deutschen Malakozoologischen Gesellschaft* 84:53–58.
- Hendriks, A. J., H. Pieters & J. De Boer. 1998. Accumulation of Metals, Polycyclic (Halogenated) Aromatic Hydrocarbons, and Biocides in Zebra Mussel and Eel from the Rhine and Meuse Rivers. *Environ. Toxicol. Chem.* 17(10):1885–1898.
- Herwig, H. J., F. Brands, E. Kruitwagen & D. I. Zandee. 1989. Bioaccumulation and Histochemical-Localization of Cadmium in *Dreissena polymorpha* Exposed to Cadmium Chloride. *Aquat. Toxicol.* 15(3):269–285.
- Hickey, V. 2010. The Quagga Mussel Crisis at Lake Mead National Recreation Area, Nevada (USA). *Conserv. Biol.* 24(4):931–937.
- Higgins, S. N., E. T. Howell, R. E. Hecky, S. J. Guilford & R. E. H. Smith. 2005. The Wall of Green: The Status of *Cladophora glomerata* on the Northern Shores of Lake Erie's Eastern Basin, 1995–2002. *J. Great Lakes Res.* 31:547–563.
- Higgins, S. N. & M. J. Vander Zanden. 2010. What a Difference a Species Makes: A Meta-Analysis of Dreissenid Mussel Impacts on Freshwater Ecosystems. *Ecol. Monogr.* 80(2):179–196.
- Higgins, S. N., M. J. Vander Zanden, L. N. Joppa & Y. Vadeboncoeur. 2011. The Effect of Dreissenid Invasions on Chlorophyll and the Chlorophyll:Total Phosphorus Ratio in North-Temperate Lakes. *Can. J. Fish. Aquat. Sci.* 68(2):319–329.
- Higgins, T. M., J. M. Grennan & T. K. McCarthy. 2008. Effects of Recent Zebra Mussel Invasion on Water Chemistry and Phytoplankton Production in a Small Irish Lake. *Aquatic Invasions* 3(1):14–20.
- High, K. A., V. J. Barthelet, J. W. McLaren & J. S. Blais. 1997. Characterization of Metallothionein-Like Proteins from Zebra Mussels (*Dreissena polymorpha*). *Environ. Toxicol. Chem.* 16(6):1111–1118.
- Hincks, S. S. & G. L. Mackie. 1997. Effects of pH, Calcium, Alkalinity, Hardness, and Chlorophyll on the Survival, Growth, and Reproductive Success of Zebra Mussel (*Dreissena polymorpha*) in Ontario Lakes. *Can. J. Fish. Aquat. Sci.* 54(9):2049–2057.
- Holeck, K. T., E. L. Mills, H. J. MacIsaac, M. R. Dochoda, R. I. Colautti & A. Riccaardi. 2004. Bridging Troubled Waters: Biological Invasions, Transoceanic Shipping, and the Laurentian Great Lakes. *Bioscience* 54:919–929.
- Holland, R. E. 1993. Changes in Planktonic Diatoms and Water Transparency in Hatchery Bay, Bass-Island Area, Western Lake Erie Since the Establishment of the Zebra Mussel. *J. Great Lakes Res.* 19(3):617–624.
- Holland, R. E., T. H. Johengen & A. M. Beeton. 1995. Trends in Nutrient Concentrations in Hatchery Bay, Western Lake Erie, Before and After *Dreissena polymorpha*. *Can. J. Fish. Aquat. Sci.* 52(6):1202–1209.
- Hollandsworth, D. & R. Lowe. 2011. Indigenous Unionid Clam Refugia from Zebra Mussels in Michigan Inland Lakes. *Am. Midl. Nat.* 166(2):369–378.
- Horgan, M. J. & E. L. Mills. 1997. Clearance Rates and Filtering Activity of Zebra Mussel (*Dreissena polymorpha*): Implications for Freshwater Lakes. *Can. J. Fish. Aquat. Sci.* 54(2):249–255.
- Horgan, M. J. & E. L. Mills. 1999. Zebra Mussel Filter Feeding and Food-Limited Production of *Daphnia*: Recent Changes in Lower Trophic Level Dynamics of Oneida Lake, New York, USA. *Hydrobiologia* 411:79–88.
- Hormann, L. & G. Maier. 2006. Do Zebra Mussels Grow Faster on Live Unionids Than on Inanimate Substrate? A Study with Field Enclosures. *Int. Rev. Hydrobiol.* 91(2):113–121.
- Horohov, J., H. Silverman, J. W. Lynn & T. H. Dietz. 1992. Ion-Transport in the Fresh-Water Zebra Mussel, *Dreissena polymorpha*. *Biol. Bull.* 183(2):297–303.
- Horvath, T. G. & L. Crane. 2010. Hydrodynamic Forces Affect Larval Zebra Mussel (*Dreissena polymorpha*) Mortality In a Laboratory Setting. *Aquatic Invasions* 5(4):379–385.
- Horvath, T. G. & G. A. Lamberti. 1997. Drifting Macrophytes as a Mechanism for Zebra Mussel (*Dreissena polymorpha*) Invasion of Lake-Outlet Streams. *Am. Midl. Nat.* 138(1):29–36.
- Horvath, T. G. & G. A. Lamberti. 1999. Mortality of Zebra Mussel, *Dreissena polymorpha*, Veligers During Downstream Transport. *Freshw. Biol.* 42(1):69–76.
- Horvath, T. G. & G. A. Lamberti. 1999. Recruitment and Growth of Zebra Mussels (*Dreissena polymorpha*) in a Coupled Lake-Stream System. *Arch. Hydrobiol.* 145(2):197–217.
- Horvath, T. G., G. A. Lamberti, D. M. Lodge & W. L. Perry. 1996. Zebra Mussel Dispersal in Lake-Stream Systems: Source–Sink Dynamics? *J. North Am. Benthol. Soc.* 15(4):564–575.
- Horvath, T. G., K. M. Martin & G. A. Lamberti. 1999. Effect of Zebra Mussels, *Dreissena polymorpha*, on Macroinvertebrates in a Lake-Outlet Stream. *Am. Midl. Nat.* 142(2):340–347.
- Hosler, D. M. 2011. Early Detection of Dreissenid Species: Zebra/Quagga Mussels in Water Systems. *Aquatic Invasions* 6(2):217–222.
- Howell, E. T., C. H. Marvin, R. W. Bilyea, P. B. Kaus & K. Somers. 1996. Changes in Environmental Conditions During *Dreissena* Colonization of a Monitoring Station in Eastern Lake Erie. *J. Great Lakes Res.* 22(3):744–756.
- Hoy, M. S., K. Kelly & R. J. Rodriguez. 2010. Development of a Molecular Diagnostic System to Discriminate *Dreissena polymorpha* (Zebra Mussel) and *Dreissena bugensis* (Quagga Mussel). *Mol. Ecol. Res.* 10(1):190–192.
- Hoyle, J. A., J. N. Bowlby & B. J. Morrison. 2008. Lake Whitefish and Walleye Population Responses to Dreissenid Mussel Invasion in Eastern Lake Ontario. *Aquat. Ecosyst. Health Manage.* 11(4):403–411.
- Hubenov, Z. 2002. Technological Problems Concerning Zebra Mussel *Dreissena polymorpha* in Maritsa-East 2 TPP. *Historia Naturalis Bulgarica* 15:139–141.
- Hubenov, Z. 2005. *Dreissena* (Bivalvia: Dreissenidae): Systematics, Autochthonous and Anthropogenic Areas. *Acta Zool. Bulg.* 57(3):259–268.
- Hubenov, Z. & T. Trichkova. 2007. *Dreissena bugensis* (Mollusca: Bivalvia: Dreissenidae) New Invasive Species to the Bulgarian Malacofauna. *Acta Zool. Bulg.* 59(2):203–209.
- Hunter, R. D. & J. F. Bailey. 1992. *Dreissena polymorpha* (Zebra Mussel): Colonization of Soft Substrata and Some Effects on Unionid Bivalves. *Nautilus* 106(2):60–67.
- Hunter, R. D. & K. A. Simons. 2004. Dreissenids in Lake St. Clair in 2001: Evidence for Population Regulation. *J. Great Lakes Res.* 30(4):528–537.
- Hwang, S. J. 1996. Effects of Zebra Mussel (*Dreissena polymorpha* Pallas) on Phytoplankton and Bacterioplankton: Evidence for Size-Selective Grazing. *Korean J. Limnol.* 29(4):363–378.

- Idrisi, N., E. L. Mills, L. G. Rudstam & D. J. Stewart. 2001. Impact of Zebra Mussels (*Dreissena polymorpha*) on the Pelagic Lower Trophic Levels of Oneida Lake, New York. *Can. J. Fish. Aquat. Sci.* 58(7):1430–1441.
- Imo, M., A. Seitz & J. Johannesen. 2010. Distribution and Invasion Genetics of the Quagga Mussel (*Dreissena rostriformis bugensis*) in German Rivers. *Aquat. Ecol.* 44(4):731–740.
- Ivankovic, D., J. Pavicic, V. Beatovic, R. S. Klobucar & G. I. V. Klobucar. 2010. Inducibility of Metallothionein Biosynthesis in the Whole Soft Tissue of Zebra Mussels *Dreissena polymorpha* Exposed to Cadmium, Copper, and Pentachlorophenol. *Environ. Toxicol.* 25(2):198–211.
- Izyumov, Y. G. & V. V. Pavlova. 2008. The Use of Colorimetry for the Description of Variability of *Dreissena polymorpha* (Bivalvia, Dreissenidae) Shell Coloration. *Zool. Zh.* 87(5):620–623.
- Jack, J. D. & J. H. Thorp. 2000. Effects of the Benthic Suspension Feeder *Dreissena polymorpha* on Zooplankton in a Large River. *Freshw. Biol.* 44(4):569–579.
- Jacobs, F. 2010. The Quagga-Mussel, *Dreissena rostriformis bugensis* (Andrusov,1897) a New Freshwater Species for the Belgian Fauna. *Gloria Maris* 49(3–4):77–78.
- Jalzc, B. 1998. The Stygobiont Bivalve *Congeria kusceri* Bole, 1962 (Bivalvia, Dreissenidae) in Croatia. *Natura Croat.* 7(4):341–347.
- James, W. F., J. W. Barko, M. Davis, H. L. Eakin, J. T. Rogala & A. C. Miller. 2000. Filtration and Excretion by Zebra Mussels: Implications for Water Quality Impacts in Lake Pepin, Upper Mississippi River. *J. Freshw. Ecol.* 15(4):429–437.
- James, W. F., J. W. Barko & H. L. Eakin. 1997. Nutrient Regeneration by the Zebra Mussel (*Dreissena polymorpha*). *J. Freshw. Ecol.* 12(2):209–216.
- James, W. E., J. W. Barko & H. L. Eakin. 2001. Phosphorus Recycling by Zebra Mussels in Relation to Density and Food Resource Availability. *Hydrobiologia* 455:55–60.
- Janssen, H. H., H. Moller, C. von Landwust & T. Heeger. 1992. Pollution Effect Monitoring at the Histological Level Using *Dreissena polymorpha*. *Limnol. Aktuell* 4:155–170.
- Jantz, B. & D. Neumann. 1992. Shell Growth and Aspects of the Population Dynamics of *Dreissena polymorpha* in the River Rhine. *Limnol. Aktuell* 4:49–66.
- Jantz, B. & D. Neumann. 1998. Growth and Reproductive Cycle of the Zebra Mussel in the River Rhine as Studied in a River Bypass. *Oecologia* 114(2):213–225.
- Jantz, B. & F. Schoell. 1998. Size and Age Structure of a Riverine Zebra Mussel Population (River Rhine, Rh-km 168-861). *Limnologica* 28(4):395–413.
- Jaouen, A., C. Galap, C. Minier, R. Tutundjian & F. Leboulenger. 2000. Bioaccumulation of Pollutants and Measures of Biomarkers in the Zebra Mussel (*Dreissena polymorpha*) from Downstream River Seine. *Bull. Soc. Zool. France* 125(3):239–249.
- Javanshir, A., M. Shapoori & F. Moezzi. 2011. Impact of Water Hardness on Cadmium Absorption by Four Freshwater Mollusks *Physa fontinalis*, *Anodonta cygnea*, *Corbicula fluminea* and *Dreissena polymorpha* from South Caspian Sea Region. *J. Food Agric. Environ.* 9(2):763–767.
- Jenner, H. A., G. H. F. M. van Aerssen & J. Terwoert. 1992. Valve Movement Behaviour of the Mussel *Dreissena polymorpha* and the Clam *Unio pictorum* for Use in an Early Warning System. *Limnol. Aktuell* 4:115–126.
- Jennings, C. A. 1996. Effects of Zebra Mussel (*Dreissena polymorpha*) Density on the Survival and Growth of Juvenile Fathead Minnows (*Pimephales promelas*): Implications for North American River Fishes. *Hydrobiologia* 324(2):157–161.
- Jimenez, A., M. D. Rennie, W. G. Sprules & J. LaRose. 2011. Temporal Changes in the Benthic Invertebrate Community of Lake Simcoe, 1983–2008. *J. Great Lakes Res.* 37(Suppl. 3):103–112.
- Johannsson, O. E., K. L. Bowen, K. T. Holeck & M. G. Walsh. 2011. *Mysis diluviana* Population and Cohort Dynamics in Lake Ontario Before and After the Establishment of *Dreissena* spp., *Cercopagis pengoi*, and *Bythotrephes longimanus*. *Can. J. Fish. Aquat. Sci.* 68(5):795–811.
- Johannsson, O. E., R. Dermott, D. M. Graham, J. A. Dahl, E. S. Millard, D. D. Myles & J. Leblanc. 2000. Benthic and Pelagic Secondary Production in Lake Erie After the Invasion of *Dreissena* spp. with Implications for Fish Production. *J. Great Lakes Res.* 26(1):31–54.
- Johengen, T. H., T. F. Nalepa, G. L. Fahnenstiel & G. Goudy. 1995. Nutrient Changes in Saginaw Bay, Lake Huron, After the Establishment of the Zebra Mussel (*Dreissena polymorpha*). *J. Great Lakes Res.* 21(4):449–464.
- Johns, C. 2001. Spatial Distribution of Total Cadmium, Copper, and Zinc in the Zebra Mussel (*Dreissena polymorpha*) Along the Upper St. Lawrence River. *J. Great Lakes Res.* 27(3):354–366.
- Johns, C. 2011. Quagga Mussels (*Dreissena bugensis*) as Biomonitorers of Metal Contamination: A Case Study in the Upper St. Lawrence River. *J. Great Lakes Res.* 37(1):140–146.
- Johns, C. & B. E. Timmerman. 1998. Total Cadmium, Copper, and Zinc in Two Dreissenid Mussels, *Dreissena polymorpha* and *Dreissena bugensis*, at the Outflow of Lake Ontario. *J. Great Lakes Res.* 24(1):55–64.
- Johnson, L. E. 1995. Enhanced Early Detection and Enumeration of Zebra Mussel (*Dreissena* spp) Veligers Using Cross-Polarized Light Microscopy. *Hydrobiologia* 312(2):139–146.
- Johnson, L. E., J. M. Bossenbroek & C. E. Kraft. 2006. Patterns and Pathways in the Post-Establishment Spread of Non-Indigenous Aquatic Species: The Slowing Invasion of North American Inland Lakes by the Zebra Mussel. *Biol. Invasions* 8(3):475–489.
- Johnson, L. E. & J. T. Carlton. 1996. Post-Establishment Spread in Large-Scale Invasions: Dispersal Mechanisms of the Zebra Mussel *Dreissena polymorpha*. *Ecology* 77(6):1686–1690.
- Johnson, L. E. & D. K. Padilla. 1996. Geographic Spread of Exotic Species: Ecological Lessons and Opportunities from the Invasion of the Zebra Mussel *Dreissena polymorpha*. *Biol. Conserv.* 78(1–2):23–33.
- Johnson, L. E., A. Ricciardi & J. T. Carlton. 2001. Overland Dispersal of Aquatic Invasive Species: A Risk Assessment of Transient Recreational Boating. *Ecol. Appl.* 11:1789–1799.
- Johnson, P. D. & R. F. McMahon. 1998. Effects of Temperature and Chronic Hypoxia on Survivorship of the Zebra Mussel (*Dreissena polymorpha*) and Asian Clam (*Corbicula fluminea*). *Can. J. Fish. Aquat. Sci.* 55(7):1564–1572.
- Jokela, A. & A. Ricciardi. 2008. Predicting Zebra Mussel Fouling on Native Mussels from Physicochemical Variables. *Freshw. Biol.* 53(9):1845–1856.
- Jones, L. A. & A. Ricciardi. 2005. Influence of Physicochemical Factors on the Distribution and Biomass of Invasive Mussels (*Dreissena polymorpha* and *Dreissena bugensis*) in the St. Lawrence River. *Can. J. Fish. Aquat. Sci.* 62(9):1953–1962.
- Juhel, G., S. C. Culloty, R. M. O'Riordan, J. O'Connor, L. De Faoite & R. McNamara. 2003. A Histological Study of the Gametogenic Cycle of the Freshwater Mussel *Dreissena polymorpha* (Pallas, 1771) in Lough Derg, Ireland. *J. Mollusc. Stud.* 69:365–373.

- Juhel, G., J. Davenport, J. O'Halloran, S. C. Culloty, R. M. O'Riordan, K. F. James, A. Furey & O. Allis. 2006. Impacts of Microcystins on the Feeding Behaviour and Energy Balance of Zebra Mussels, *Dreissena polymorpha*: A Bioenergetics Approach. *Aquat. Toxicol.* 79(4):391–400.
- Juhel, G., J. Davenport, J. O'Halloran, S. C. Culloty, R. Ramsay, K. James, A. Furey & O. Allis. 2006. Pseudodiarrhoea in Zebra Mussels *Dreissena polymorpha* (Pallas) Exposed to Microcystins. *J. Exp. Biol.* 209(5):810–816.
- Juhel, G., J. O'Halloran, S. C. Culloty, R. M. O'Riordan, J. Davenport, N. M. O'Brien, K. F. James, A. Furey & O. Allis. 2007. *In Vivo* Exposure to Microcystins Induces DNA Damage in the Haemocytes of the Zebra Mussel, *Dreissena polymorpha*, as Measured with the Comet Assay. *Environ. Mol. Mutagen.* 48:22–29.
- Jurkiewicz-Karnkowska, E. 2002. Occurrence of Mollusc Communities in a Lowland Dam Reservoir Colonized by *Dreissena polymorpha* (Pallas) (Sulejow Reservoir, Central Poland). *Pol. J. Ecol.* 50(1):5–16.
- Kalayda, M. L. 2004. *Dreissena polymorpha* (Pall.) and *Dreissena bugensis* (Andr.) (Mollusca, Bivalvia) in the Upper Part of the Kuibyshev Reservoir. *Biol. Vnutremnikh Vod* 3:60–67.
- Karatayev, A. Y., D. Boltovskoy, D. K. Padilla & L. E. Burlakova. 2007. The Invasive Bivalves *Dreissena polymorpha* and *Limnoperna fortunei*: Parallels, Contrasts, Potential Spread and Invasion Impacts. *J. Shellfish Res.* 26(1):205–213.
- Karatayev, A. Y. & L. E. Burlakova. 1992. Changes in Trophic Structure of Macrozoobenthos of an Eutrophic Lake, After Invasion of *Dreissena polymorpha*. *Biologiya Vnutrennikh Vod Informatsionnyi Byulleten* 96:67–71.
- Karatayev, A. Y. & L. Y. Burlakova. 1995. Present Situation and *Dreissena* Developmental Prospects in Naroch Lakes. *Vyestsi Akademii Navuk Byelarusi Syeryya Bialahichnykh Navuk* 3:95–99.
- Karatayev, A. Y. & L. E. Burlakova. 1995. The Role of *Dreissena* in Lake Ecosystems. *Russ. J. Ecol.* 26(3):207–211.
- Karataev, A. Y. & L. E. Burlakova. 1995. The Role of *Dreissena* in Lake Ecosystems. *Ekologiya (Moscow)* 3:232–236.
- Karatayev, A. Y., L. E. Burlakova, V. A. Karatayev & D. Boltovskoy. 2010. *Limnoperna fortunei* Versus *Dreissena polymorpha* Population Densities and Benthic Community Impacts of Two Invasive Freshwater Bivalves. *J. Shellfish Res.* 29(4):975–984.
- Karatayev, A. Y., L. E. Burlakova, S. E. Mastitsky, D. K. Padilla & E. L. Mills. 2011. Contrasting Rates of Spread of Two Congeners, *Dreissena polymorpha* and *Dreissena rostriformis bugensis*, at Different Spatial Scales. *J. Shellfish Res.* 30(3):923–931.
- Karatayev, A. Y., L. E. Burlakova, D. P. Molloy & S. E. Mastitsky. 2007. *Dreissena polymorpha* and *Conchophthirus acuminatus*: What Can We Learn from Host–Commensal Relationships. *J. Shellfish Res.* 26(4):1153–1160.
- Karatayev, A. Y., L. E. Burlakova, D. P. Molloy & L. K. Volkova. 2000. Endosymbionts of *Dreissena polymorpha* (Pallas) in Belarus. *Int. Rev. Hydrobiol.* 85(5–6):543–559.
- Karatayev, A. Y., L. E. Burlakova, D. P. Molloy, L. K. Volkova & V. V. Volosyuk. 2002. Field and Laboratory Studies of *Ophryoglena* sp (Ciliata: Ophryoglenidae) Infection in Zebra Mussels, *Dreissena polymorpha* (Bivalvia: Dreissenidae). *J. Invertebr. Pathol.* 79(2):80–85.
- Karatayev, A. Y., L. E. Burlakova & D. K. Padilla. 1997. The Effects of *Dreissena polymorpha* (Pallas) Invasion on Aquatic Communities in Eastern Europe. *J. Shellfish Res.* 16(1):187–203.
- Karatayev, A. Y., L. E. Burlakova & D. K. Padilla. 1998. Physical Factors That Limit the Distribution and Abundance of *Dreissena polymorpha* (Pall.). *J. Shellfish Res.* 17(4):1219–1235.
- Karatayev, A. Y., L. E. Burlakova & D. K. Padilla. 2006. Growth Rate and Longevity of *Dreissena polymorpha* (Pallas): A Review and Recommendations for Future Study. *J. Shellfish Res.* 25(1):23–32.
- Karatayev, A. Y., L. E. Burlakova, D. K. Padilla & L. E. Johnson. 2003. Patterns of Spread of the Zebra Mussel (*Dreissena polymorpha* (Pallas)): The Continuing Invasion of Belarussian Lakes. *Biol. Invasions* 5(3):213–221.
- Karatayev, A. Y., S. E. Mastitsky, L. E. Burlakova, D. P. Molloy & G. G. Vezhnovets. 2003. Seasonal Dynamics of Endosymbiotic Ciliates and Nematodes in *Dreissena polymorpha*. *J. Invertebr. Pathol.* 83(1):73–82.
- Karatayev, A. Y., S. E. Mastitsky, D. P. Molloy & L. E. Burlakova. 2003. Patterns of Emergence and Survival of *Conchophthirus acuminatus* (Ciliophora: Conchophthiridae) from *Dreissena polymorpha* (Bivalvia: Dreissenidae). *J. Shellfish Res.* 22(2):495–500.
- Karatayev, A. Y., S. E. Mastitsky, D. K. Padilla, L. E. Burlakova & M. M. Hajduk. 2011. Differences in Growth and Survivorship of Zebra and Quagga Mussels: Size Matters. *Hydrobiologia* 668(1):183–194.
- Karatayev, A. Y., D. P. Molloy & L. E. Burlakova. 2000. Seasonal Dynamics of *Conchophthirus acuminatus* (Ciliophora, Conchophthiridae) Infection in *Dreissena polymorpha* and *D. bugensis* (Bivalvia, Dreissenidae). *Eur. J. Protistol.* 36(4):397–404.
- Kas'yanov, A. N. & Y. G. Izyumov. 1995. Studies of Growth and Morphology of the Roach *Rutilus rutilus* in Lake Pleshcheyevo in Connection with the Introduction of *Dreissena*. *Vopr. Ikhtiol.* 35(4):546–548.
- Kavouras, J. H. & J. S. Maki. 2003. Effects of Biofilms on Zebra Mussel Postveliger Attachment to Artificial Surfaces. *Invertebr. Biol.* 122(2):138–151.
- Kavouras, J. H. & J. S. Maki. 2003. The Effects of Natural Biofilms on the Reattachment of Young Adult Zebra Mussels to Artificial Substrata. *Biofouling* 19(4):247–256.
- Kavouras, J. H. & J. S. Maki. 2004. Inhibition of the Reattachment of Young Adult Zebra Mussels by Single-Species Biofilms and Associated Exopolymers. *J. Appl. Microbiol.* 97(6):1236–1246.
- Keevin, T. M., R. E. Yarbrough & A. C. Miller. 1992. Long-Distance Dispersal of Zebra Mussels (*Dreissena polymorpha*) Attached to Hulls of Commercial Vessels. *J. Freshw. Ecol.* 7(4):437.
- Kehayias, G., E. Michaloudi & A. Bexi. 2004. Aspects of the Seasonal Dynamics and the Vertical Distribution of the Crustacean Zooplankton Community and the *Dreissena polymorpha* Larvae in Lake Trichonis. *Med. Mar. Sci.* 5(1):19–27.
- Kennedy, A. J., R. N. Millward, J. A. Steevens, J. W. Lynn & K. D. Perry. 2006. Relative Sensitivity of Zebra Mussel (*Dreissena polymorpha*) Life- Stages to Two Copper Sources. *J. Great Lakes Res.* 32(3):596–606.
- Kern, R., J. Borcherding & D. Neumann. 1994. Recruitment of a Fresh-Water Mussel with a Planktonic Life-Stage in Running Waters: Studies on *Dreissena polymorpha* in the River Rhine. *Arch. Hydrobiol.* 131(4):385–400.
- Ketelaars, H. A. M. & A. J. Wagenvoort. 1995. Control of *Dreissena* Biofouling by the Water-Storage-Corporation-Brabantse-Biesbosch. *J. Water Supply* 44:97–101.
- Khalanski, M. 1997. Industrial and Ecological Consequences of the Introduction of New Species in Continental Aquatic Ecosystems: The Zebra Mussel and Other Invasive Species. *Bull. Fr. Peche Piscicult.* 344–345:385–404.
- Kharchenko, T. A. 1995. *Dreissena*: Area, Ecology, Biodisturbances. *Gidrobiologicheskii Zhurnal* 31(3):3–21.

- Kharchenko, T. A. & A. V. Lyashenko. 1997. The Growth and Production of *Dreissena* Under Conditions of Artificial Water Flows. *Gidrobiologicheskii Zhurnal* 33(4):3–16.
- Kilgour, B. W. & M. A. Baker. 1994. Effects of Season, Stock, and Laboratory Protocols on Survival of Zebra Mussels (*Dreissena polymorpha*) in Bioassays. *Arch. Environ. Contam. Toxicol.* 27(1):29–35.
- Kilgour, B. W., G. L. Mackie, M. A. Baker & R. Keppel. 1994. Effects of Salinity on the Condition and Survival of Zebra Mussels (*Dreissena polymorpha*). *Estuaries* 17(2):385–393.
- Kinney, R. M., C. G. Manos, E. L. Mills, E. Mellina & D. J. Lisk. 1994. Zebra Mussels (*Dreissena polymorpha*) as a Biomonitoring Tool for Sr-90 Contamination. *Chemosphere* 28(4):729–735.
- Kinzelbach, R. 1992. The Main Features of the Phylogeny and Dispersal of the Zebra Mussel *Dreissena polymorpha*. *Limnol. Aktuell* 4:4–5.
- Kissman, C. E. H., L. B. Knoll & O. Sarnelle. 2010. Dreissenid Mussels (*Dreissena polymorpha* and *Dreissena bugensis*) Reduce Microzooplankton and Macrozooplankton Biomass in Thermally Stratified Lakes. *Limnol. Oceanogr.* 55(5):1851–1859.
- Klein, R. & M. Altmeyer. 1992. The Zebra Mussel *Dreissena polymorpha* as a Specimen in the Environmental Specimen Banking Programme of the Federal Republic of Germany. *Limnol. Aktuell* 4:255–262.
- Klerks, P. L. & P. C. Fraleigh. 1991. Controlling Adult Zebra Mussels with Oxidants. *Am. Water Works Assoc. J.* 83(12):92–100.
- Klerks, P. L. & P. C. Fraleigh. 1997. Uptake of Nickel and Zinc by the Zebra Mussel *Dreissena polymorpha*. *Arch. Environ. Contam. Toxicol.* 32(2):191–197.
- Klerks, P. L., P. C. Fraleigh & J. E. Lawniczak. 1996. Effects of Zebra Mussels (*Dreissena polymorpha*) on Seston Levels and Sediment Deposition in Western Lake Erie. *Can. J. Fish. Aquat. Sci.* 53(10):2284–2291.
- Klerks, P. L., P. C. Fraleigh & J. E. Lawniczak. 1997. Effects of the Exotic Zebra Mussel (*Dreissena polymorpha*) on Metal Cycling in Lake Erie. *Can. J. Fish. Aquat. Sci.* 54(7):1630–1638.
- Klerman, A. K. & E. V. Kolotilova. 1998. Influence of Ambient Mineral Composition and Blue-Green Algae on Veligers of *Dreissena polymorpha* (Pall.). *Ekologiya (Moscow)* 6:476–478.
- Klobucar, G. I. V., J. Lajtner & R. Erben. 1994. Histopathological Changes of *Dreissena polymorpha* Pall. (Bivalvia) and *Planorbium corneum* L. (Gastropoda, Pulmonata) Induced by Sodium Pentachlorophenate. *Period. Biol.* 96(4):493–495.
- Klobucar, G. I. V., M. Pavlica, R. Erben & D. E. Papes. 2003. Application of the Micronucleus and Comet Assays to Mussel *Dreissena polymorpha* Haemocytes for Genotoxicity Monitoring of Freshwater Environments. *Aquat. Toxicol.* 64(1):15–23.
- Knoll, L. B., O. Sarnelle, S. K. Hamilton, C. E. H. Kissman, A. E. Wilson, J. B. Rose & M. R. Morgan. 2008. Invasive Zebra Mussels (*Dreissena polymorpha*) Increase Cyanobacterial Toxin Concentrations in Low-Nutrient Lakes. *Can. J. Fish. Aquat. Sci.* 65(3):448–455.
- Kobak, J. 2001. Light, Gravity and Conspecifics as Cues to Site Selection and Attachment Behaviour of Juvenile and Adult *Dreissena polymorpha* Pallas, 1771. *J. Mollusc. Stud.* 67:183–189.
- Kobak, J. 2002. Impact of Light Conditions on Geotaxis Behaviour of Juvenile *Dreissena polymorpha*. *Folia Malacol.* 10(2):77–82.
- Kobak, J. 2003. Impact of Conspecifics on Recruitment and Behaviour of *Dreissena polymorpha* (Pallas, 1771). *Folia Malacol.* 11(3–4):95–101.
- Kobak, J. 2004. Recruitment and Small-Scale Spatial Distribution of *Dreissena polymorpha* (Bivalvia) on Artificial Materials. *Arch. Hydrobiol.* 160(1):25–44.
- Kobak, J. 2005. Recruitment and Distribution of *Dreissena polymorpha* (Bivalvia) on Substrates of Different Shape and Orientation. *Int. Rev. Hydrobiol.* 90(2):159–170.
- Kobak, J. 2006. Factors Influencing the Attachment Strength of *Dreissena polymorpha* (Bivalvia). *Biofouling* 22(3):153–162.
- Kobak, J. 2006. Geotactic Behaviour of *Dreissena polymorpha* (Bivalvia). *Malacologia* 48(1–2):305–308.
- Kobak, J., S. Grodecka & R. Wisniewski. 2002. Impact of Leaves Extracts and Wood of Several Tree Species on Behaviour of the Zebra Mussel (*Dreissena polymorpha* Pallas 1771, Bivalvia) Juveniles. *Acta Universitatis Nicolai Copernici Prace Limnologiczne* 22:71–88.
- Kobak, J., S. Groszewska & R. Wisniewski. 2002. Settlement and Growth of the Zebra Mussel (*Dreissena polymorpha* Pallas 1771, Bivalvia) Larvae on Wooden Substrates. *Acta Universitatis Nicolai Copernici Prace Limnologiczne* 22:53–69.
- Kobak, J. & M. Januszewska. 2006. Impact of Substratum Type on Attachment and Survival of *Dreissena polymorpha* (Bivalvia). *Folia Malacol.* 14(2):51–56.
- Kobak, J. & T. Kakareko. 2009. Attachment Strength, Aggregation and Movement of the Zebra Mussel (*Dreissena polymorpha*, Bivalvia) in the Presence of Potential Predators. *Fund. Appl. Limnol.* 174(2):193–204.
- Kobak, J. & T. Kakareko. 2011. The Effectiveness of the Induced Anti-Predator Behaviour of Zebra Mussel *Dreissena polymorpha* in the Presence of Molluscivorous Roach. *Aquat. Ecol.* 45(3):357–366.
- Kobak, J., T. Kakareko & M. Poznanska. 2010. Changes in Attachment Strength and Aggregation of Zebra Mussel, *Dreissena polymorpha* in the Presence of Potential Fish Predators of Various Species and Size. *Hydrobiologia* 644(1):195–206.
- Kobak, J., T. Kakareko, M. Poznanska & J. Zbikowski. 2009. Preferences of the Ponto-Caspian Amphipod *Dikerogammarus haemobaphes* for Living Zebra Mussels. *J. Zool.* 279(3):229–235.
- Kobak, J., E. Klosowska-Mikulan & R. Wisniewski. 2002. Impact of Copper Substrate on Survival Mobility and Attachment Strength of Adult *Dreissena polymorpha* (Pall.). *Folia Malacol.* 10(2):91–97.
- Kobak, J. & P. Nowacki. 2007. Light-Related Behaviour of the Zebra Mussel (*Dreissena polymorpha*, Bivalvia). *Fund. Appl. Limnol.* 169:341–352.
- Kobak, J., M. Poznanska & T. Kakareko. 2009. Effect of Attachment Status and Aggregation on the Behaviour of the Zebra Mussel *Dreissena polymorpha*. *J. Mollusc. Stud.* 75:119–126.
- Kobak, J. & R. Wisniewski. 1999. Larval Settlement and Distribution of Juveniles of Zebra Mussel (*Dreissena polymorpha* Pall., Bivalvia) on Selected Artificial Substrates. *Acta Universitatis Nicolai Copernici Prace Limnologiczne* 20:25–54.
- Kobak, J. & J. Zytkowicz. 2007. Preferences of Invasive Ponto-Caspian and Native European Gammarids for Zebra Mussel (*Dreissena polymorpha*, Bivalvia) Shell Habitat. *Hydrobiologia* 589:43–54.
- Kolar, C. S., A. H. Fullerton, K. M. Martin & G. A. Lamberti. 2002. Interactions Among Zebra Mussel Shells, Invertebrate Prey, and Eurasian Ruffe or Yellow Perch. *J. Great Lakes Res.* 28(4):664–673.
- Korniushin, A. V. 2007. Non-Unionid Freshwater Bivalves (Sphaeriidae, Corbiculidae, Dreissenidae) of North American Fauna. *Vestnik Zoologii* 41(1):13–22.
- Kotta, J. & F. Mohlenberg. 2002. Grazing Impact of *Mytilus edulis* L. and *Dreissena polymorpha* (Pallas) in the Gulf of Riga, Baltic Sea Estimated from Biodeposition Rates of Algal Pigments. *Ann. Zool. Fenn.* 39(2):151–160.



- Kotta, J., H. Orav & I. Kotta. 1998. Distribution and Filtration Activity of the Zebra Mussel, *Dreissena polymorpha*, in the Gulf of Riga and the Gulf of Finland. *Proc. Estonian Acad. Sci. Biol. Ecol.* 47(1):32–41.
- Koutnik, M. A. & D. K. Padilla. 1994. Predicting the Spatial-Distribution of *Dreissena polymorpha* (Zebra Mussel) Among Inland Lakes of Wisconsin: Modeling with a GIS. *Can. J. Fish. Aquat. Sci.* 51(5):1189–1196.
- Kozuharov, D., T. Trichkova, P. Borisova & M. Stanachkova. 2009. The Zooplankton Composition in Two Reservoirs in the North-West Bulgaria in Relation to *Dreissena* spp. Occurrence. *Biotechnol. Biotechnol. Equip.* 23:271–275.
- Kozuharov, D., T. Trichkova, I. Botev, Z. Hubenov & L. Fureder. 2009. Invasion of *Dreissena polymorpha* (Pallas, 1771) to Reservoirs in the Struma River Basin (Aegean Sea Drainage Basin, South West Bulgaria). *Biotechnol. Biotechnol. Equip.* 23:192–196.
- Kraak, M. H. S. 1995. Are Zebra Mussels Restricted by Toxicant Levels in the River Meuse? A Review. *Neth. J. Aquat. Ecol.* 29(1):147–150.
- Kraak, M. H. S., C. Ainscough, A. Fernandez, P. L. A. Vanvlaardingem, P. Devoogt & W. A. Admiraal. 1997. Short-Term and Chronic Exposure of the Zebra Mussel (*Dreissena polymorpha*) to Acridine: Effects and Metabolism. *Aquat. Toxicol.* 37(1):9–20.
- Kraak, M. H. S. & C. Davids. 1991. The Effect of the Parasite *Phyllodistomum macrocotyle* (Trematoda) on Heavy-Metal Concentrations in the Fresh-Water Mussel *Dreissena polymorpha*. *Neth. J. Zool.* 41(4):269–276.
- Kraak, M. H. S., F. Kuipers, H. Schoon, C. J. Degroot & W. Admiraal. 1994. The Filtration-Rate of the Zebra Mussel *Dreissena polymorpha* Used for Water-Quality Assessment in Dutch Rivers. *Hydrobiologia* 294(1):13–16.
- Kraak, M. H. S., D. Lavy, W. H. M. Peeters & C. Davids. 1992. Chronic Ecotoxicity of Copper and Cadmium to the Zebra Mussel *Dreissena polymorpha*. *Arch. Environ. Contam. Toxicol.* 23(3):363–369.
- Kraak, M. H. S., D. Lavy, H. Schoon, M. Toussaint, W. H. M. Peeters & N. M. Vanstralen. 1994. Ecotoxicity of Mixtures of Metals to the Zebra Mussel *Dreissena polymorpha*. *Environ. Toxicol. Chem.* 13(1):109–114.
- Kraak, M. H. S., M. C. T. Scholten, W. H. M. Peeters & W. C. Dekock. 1991. Biomonitoring of Heavy-Metals in the Western-European Rivers Rhine and Meuse Using the Fresh-Water Mussel *Dreissena polymorpha*. *Environ. Pollut.* 74(2):101–114.
- Kraak, M. H. S., H. Schoon, W. H. M. Peeters & N. M. Vanstralen. 1993. Chronic Ecotoxicity of Mixtures of Cu, Zn, and Cd to the Zebra Mussel *Dreissena polymorpha*. *Ecotoxicol. Environ. Saf.* 25(3):315–327.
- Kraak, M. H. S., S. C. Stuijzand & W. Admiraal. 1999. Short-Term Ecotoxicity of a Mixture of Five Metals to the Zebra Mussel *Dreissena polymorpha*. *Bull. Environ. Contam. Toxicol.* 63(6):805–812.
- Kraak, M. H. S., M. Toussaint, D. Lavy & C. Davids. 1994. Short-Term Effects of Metals on the Filtration-Rate of the Zebra Mussel *Dreissena polymorpha*. *Environ. Pollut.* 84(2):139–143.
- Kraak, M. H. S., P. Wijnands, H. A. J. Govers, W. Admiraal & P. Devoogt. 1997. Structural-Based Differences in Ecotoxicity of Benzoquinoline Isomers to the Zebra Mussel (*Dreissena polymorpha*). *Environ. Toxicol. Chem.* 16(10):2158–2163.
- Kraak, M. H. S., Y. A. Wink, S. C. Stuijzand, M. C. B. D. Jong, C. J. Degroot & W. Admiraal. 1994. Chronic Ecotoxicity of Zn and Pb to the Zebra Mussel *Dreissena polymorpha*. *Aquat. Toxicol.* 30(1):77–89.
- Kraft, C. E. & L. E. Johnson. 2000. Regional Differences in Rates and Patterns of North American Inland Lake Invasions by Zebra Mussels (*Dreissena polymorpha*). *Can. J. Fish. Aquat. Sci.* 57(5):993–1001.
- Kraft, C. E., P. J. Sullivan, A. Y. Karatayev, Y. E. Burlakova, J. C. Nekola, L. E. Johnson & D. K. Padilla. 2002. Landscape Patterns of an Aquatic Invader: Assessing Dispersal Extent from Spatial Distributions. *Ecol. Appl.* 12:749–759.
- Krieger, K. A., M. T. Bur, J. J. H. Ciborowski, D. R. Barton & D. W. Schloesser. 2007. Distribution and Abundance of Burrowing Mayflies (*Hexagenia* spp.) in Lake Erie: 1997–2005. *J. Great Lakes Res.* 33(Suppl. 1):20–33.
- Krieger, K. A., D. W. Schloesser, B. A. Manny, C. E. Trisler, S. E. Heady, J. J. H. Ciborowski & K. M. Muth. 1996. Recovery of Burrowing Mayflies (Ephemeroptera: Ephemeridae: Hexagenia) in Western Lake Erie. *J. Great Lakes Res.* 22:254–263.
- Krkosek, M. & M. A. Lewis. 2010. An R (0) Theory for Source–Sink Dynamics with Application to *Dreissena* Competition. *Theoret. Ecol.* 3(1): 25–43.
- Krolak, E. 1997. The Content of Heavy Metals in *Dreissena polymorpha* (Pall.) in Lakes Majcz and Inulec, Masurian Lakeland. *Pol. Arch. Hydrobiol.* 44(4):477–486.
- Krolak, E. & B. Zdanowski. 2001. The Bioaccumulation of Heavy Metals by the Mussels *Anodonta woodiana* (Lea, 1834) and *Dreissena polymorpha* (Pall.) in the Heated Konin Lakes. *Archiwum Rybactwa Polskiego* 9(2):229–237.
- Krolak, E. & B. Zdanowski. 2007. Phosphorous and Calcium in the Mussels *Sinanodonta woodiana* (Lea) and *Dreissena polymorpha* (Pall.) in the Konin Lakes. *Archiwum Rybactwa Polskiego* 15(4):287–294.
- Kuhns, L. A. & M. B. Berg. 1999. Benthic Invertebrate Community Responses to Round Goby (*Neogobius melanostomus*) and Zebra Mussel (*Dreissena polymorpha*) Invasion in Southern Lake Michigan. *J. Great Lakes Res.* 25(4):910–917.
- Kuperman, B. I., A. E. Zhokhov & L. B. Popova. 1994. Parasites of the Mollusc *Dreissena polymorpha* in the Volga River Basin. *Parazitologiya (St. Petersburg)* 28(5):396–402.
- Kurbatova, S. A. 1998. A Role of Mollusc *Dreissena polymorpha* (Pall.) in a Body of Water and Its Influence on Zooplanktonic Community. *Biol. Vnutrennikh Vod* 1:39–46.
- Kurbatova, S. A. & N. A. Lapteva. 2008. Role of *Dreissena* and *Abramis brama* Fry in Changes in the Dynamics and Relationships in Plankton Communities of Experimental Ecosystems. *Hydrobiol. J.* 44(6):13–21.
- Kwan, K. H. M., H. M. Chan & Y. De Lafontaine. 2003. Metal Contamination in Zebra Mussels (*Dreissena polymorpha*) Along the St. Lawrence River. *Environ. Monit. Assess.* 88(1–3):193–219.
- Kwon, T. D., S. W. Fisher, G. W. Kim, H. Hwang & J. E. Kim. 2006. Trophic Transfer and Biotransformation of Polychlorinated Biphenyls in Zebra Mussel, Round Goby, and Smallmouth Bass in Lake Erie, USA. *Environ. Toxicol. Chem.* 25(4):1068–1078.
- Lajtner, J., A. Lucic, M. Marusic & R. Erben. 2008. The Effects of the Trematode *Bucephalus polymorphus* on the Reproductive Cycle of the Zebra Mussel *Dreissena polymorpha* in the Drava River. *Acta Parasitol.* 53(1):85–92.
- Lajtner, J., Z. Marusic, G. I. V. Klobucar, I. Maguire & R. Erben. 2004. Comparative Shell Morphology of the Zebra Mussel, *Dreissena polymorpha* in the Drava River (Croatia). *Biologia* 59(5):595–600.
- Lamers, A. E., J. P. Heiney & J. L. Ram. 1998. Isolation and Characterization of a cDNA Encoding an Actin Protein from the Zebra Mussel, *Dreissena polymorpha*. *J. Shellfish Res.* 17(4):1215–1217.
- Lamers, A. E., J. P. Heiney & J. L. Ram. 1999. Cloning and Sequence Analysis of Two cDNAs Encoding Cyclin a and Cyclin b in the Zebra Mussel *Dreissena polymorpha*. *Biochim. Biophys. Acta Mol. Cell Res.* 1448(3):519–524.

- Lamers, A. E., J. P. Heiney & J. L. Ram. 2002. cDNA Sequence Analysis of Proteins Involved in Reproduction and Cell Cycle of the Zebra Mussel, *polymorpha*. *Invertebr. Reprod. Dev.* 41(1–3):41–52.
- Lancioni, T. & E. Gaino. 2005. Competition Between the Freshwater Sponge *Ephydatia fluviatilis* and the Zebra Mussel *Dreissena polymorpha* in Lake Trasimeno (Central Italy). *Ital. J. Zool. (Modena)* 72(1):27–32.
- Lancioni, T. & E. Gaino. 2006. The Invasive Zebra Mussel *Dreissena polymorpha* in Lake Trasimeno (Central Italy): Distribution and Reproduction. *Ital. J. Zool. (Modena)* 73(4):335–346.
- Lapteva, N. A., S. A. Kurbatova, I. O. Solntseva & Y. A. Koreneva. 2004. The Effect of Zebra Mussel (*Dreissena polymorpha* Pall.) on Formation of Communities of Microorganisms and Zooplankton in Experimental Ecosystems. *Biol. Vnutrennikh Vod* 1:52–61.
- Lapteva, N. A. & I. O. Solntseva. 2000. Influence of the Zebra Mussel and Fish Fry on Structural and Functional Characteristics of Microorganisms in Experimental Ecosystems. *Ekologiya (Moscow)* 4:295–299.
- Laruelle, F., D. P. Molloy, S. I. Fokin & M. A. Ovcharenko. 1999. Histological Analysis of Mantle-Cavity Ciliates in *Dreissena polymorpha*: Their Location, Symbiotic Relationship, and Distinguishing Morphological Characteristics. *J. Shellfish Res.* 18(1):251–257.
- Laruelle, F., D. R. Molloy & V. A. Roitman. 2002. Histological Analysis of Trematodes in *Dreissena polymorpha*: Their Location, Pathogenicity, and Distinguishing Morphological Characteristics. *J. Parasitol.* 88(5):856–863.
- Lauer, T. E., D. K. Barnes, A. Ricciardi & A. Spacie. 1999. Evidence of Recruitment Inhibition of Zebra Mussels (*Dreissena polymorpha*) by a Freshwater Bryozoan (*Lophopodella carteri*). *J. North Am. Benthol. Soc.* 18(3):406–413.
- Lauer, T. E. & T. S. McComish. 2001. Impact of Zebra Mussels (*Dreissena polymorpha*) on Fingernail Clams (Sphaeriidae) in Extreme Southern Lake Michigan. *J. Great Lakes Res.* 27(2):230–238.
- Lauer, T. E. & A. Spacie. 2000. The Effects of Sponge (Porifera) Biofouling on Zebra Mussel (*Dreissena polymorpha*) Fitness: Reduction of Glycogen, Tissue Loss, and Mortality. *J. Freshw. Ecol.* 15(1):83–92.
- Lauer, T. E. & A. Spacie. 2004. An Association Between Freshwater Sponges and the Zebra Mussel in a Southern Lake Michigan Harbor. *J. Freshw. Ecol.* 19(4):631–637.
- Lauer, T. E. & A. Spacie. 2004. Space as a Limiting Resource in Freshwater Systems: Competition Between Zebra Mussels (*Dreissena polymorpha*) and Freshwater Sponges (Porifera). *Hydrobiologia* 517(1–3):137–145.
- Lauringson, V., E. Malton, J. Kotta, K. Kangur, H. Orav-Kotta & I. Kotta. 2007. Environmental Factors Influencing the Biodeposition of the Suspension Feeding Bivalve *Dreissena polymorpha* (Pallas): Comparison of Brackish and Freshwater Populations. *Estuar. Coast. Shelf Sci.* 75(4):459–467.
- Lavalle, P. D., A. Brooks & V. C. Laxhan. 1999. Zebra Mussel Wastes and Concentrations of Heavy Metals on Shipwrecks in Western Lake Erie. *J. Great Lakes Res.* 25(2):330–338.
- Lavrentyev, P. J., W. S. Gardner, J. F. Cavaletto & J. R. Beaver. 1995. Effects of the Zebra Mussel (*Dreissena polymorpha* Pallas) on Protozoa and Phytoplankton from Saginaw Bay, Lake Huron. *J. Great Lakes Res.* 21(4):545–557.
- Lavrentyev, P. J., W. S. Gardner & L. Y. Yang. 2000. Effects of the Zebra Mussel on Nitrogen Dynamics and the Microbial Community at the Sediment–Water Interface. *Aquat. Microb. Ecol.* 21(2):187–194.
- Le, T. T., L. Yen, S. E. W. Rob & A. J. Hendriks. 2011. Modeling Metal Bioaccumulation in the Invasive Mussels *Dreissena polymorpha* and *Dreissena rostriformis bugensis* in Rivers Rhine and Meuse. *Environ. Toxicol. Chem.* 30(12):2825–2830.
- Lecoeur, S., B. Videmann & P. Berny. 2004. Evaluation of Metallothionein as a Biomarker of Single and Combined Cd/Cu Exposure in *Dreissena polymorpha*. *Environ. Res.* 94(2):184–191.
- Lederer, A. M., J. Janssen, T. Reed & A. Wolf. 2008. Impacts of the Introduced Round Goby (*Apollonia melanostoma*) on Dreissenids (*Dreissena polymorpha* and *Dreissena bugensis*) and on Macroinvertebrate Community Between 2003 and 2006 in the Littoral Zone of Green Bay, Lake Michigan. *J. Great Lakes Res.* 34(4):690–697.
- Lederer, A., J. Massart & J. Janssen. 2006. Impact of Round Gobies (*Neogobius melanostomus*) on Dreissenids (*Dreissena polymorpha* and *Dreissena bugensis*) and the Associated Macroinvertebrate Community Across an Invasion Front. *J. Great Lakes Res.* 32(1):1–10.
- Lee, H. H. 1993. Endod and Zebra Mussels: A Third-World Technology Solving a First-World Problem. *Discov. Innov.* 5(3):276–277.
- Leewis, R. 2007. The Zebra Mussel as an Example of “Biological Globalization”: *Dreissena* Goes Global. *Natura* 104(1):10–11.
- Le Goff, J., J. Gallois, L. Pelhuet, M. H. Devier, H. Budzinski, D. Pottier, V. Andre & J. Cachot. 2006. DNA Adduct Measurements in Zebra Mussels, *Dreissena polymorpha*, Pallas - Potential Use for Genotoxicant Biomonitoring of Fresh Water Ecosystems. *Aquat. Toxicol.* 79(1):55–64.
- Lei, J., B. S. Payne & S. Y. Wang. 1996. Filtration Dynamics of the Zebra Mussel, *Dreissena polymorpha*. *Can. J. Fish. Aquat. Sci.* 53(1):29–37.
- Lewandowski, K. 1990. *Dreissena polymorpha* New-Record Pall: Crossed the Atlantic. *Przeglad Zool.* 34(1):157–160.
- Lewandowski, K. 1991. The Occurrence of *Dreissena polymorpha* (Pall.) in Some Mesotrophic Lakes of the Masurian Lakeland (Poland). *Ekol. Polska* 39(2):273–286.
- Lewandowski, K. 1999. The Occurrence of Zebra Mussel *Dreissena polymorpha* (Pall.) in a Lake of Diversified Shoreline. *Pol. Arch. Hydrobiol.* 46(3–4):303–316.
- Lewandowski, K. 2001. Development of Populations of *Dreissena polymorpha* (Pall.) in Lakes. *Folia Malacol.* 9(4):171–216.
- Lewandowski, K. & T. Ozimek. 1997. Relationship of *Dreissena polymorpha* (Pall.) to Various Species of Submerged Macrophytes. *Pol. Arch. Hydrobiol.* 44(4):457–466.
- Lewandowski, K. & A. Stanczykowska. 2000. The Role of *Dreissena polymorpha* (Pall.) (Zebra Mussels) in Freshwater Ecosystems. *Przeglad Zool.* 44(1–2):13–21.
- Lewandowski, K., R. Stoczkowski & A. Stanczykowska. 1997. Distribution of *Dreissena polymorpha* (Pall.) in Lakes of the Jorka River Watershed. *Pol. Arch. Hydrobiol.* 44(4):431–443.
- Lewis, D. P., J. M. Piontkowski, R. W. Straney, J. J. Knowlton & E. F. Neuhauser. 1997. A Method for Assessing the Risk of Zebra Mussel *Dreissena polymorpha* Infestation in Industrial Fire Protection Systems. *Fire Technol.* 33(3):214–229.
- Lewis, D. P., J. M. Piontkowski, R. W. Straney, J. J. Knowlton & E. F. Neuhauser. 1997. Use of Potassium for Treatment and Control of Zebra Mussel Infestation in Industrial Fire Protection Water Systems. *Fire Technol.* 33(4):356–371.
- Lewis, K. M., J. L. Feder, T. G. Horvath & G. A. Lamberti. 2000. Heterozygosity and Fitness: No Strong Association in Great Lakes Populations of the Zebra Mussel, *Dreissena polymorpha* (Pallas). *Malacologia* 42(1–2):113–122.

- Lewis, K. M., J. L. Feder & G. A. Lamberti. 2000. Population Genetics of the Zebra Mussel, *Dreissena polymorpha* (Pallas): Local Allozyme Differentiation Within Midwestern Lakes and Streams. *Can. J. Fish. Aquat. Sci.* 57(3):637–643.
- Li Mingyang, J., K. Yunwei, S. Sunil & J. Thomas. 2008. Modeling Potential Habitats for Alien Species *Dreissena polymorpha* in Continental USA. *Acta Ecol. Sin.* 28(9):4523–4528.
- Lichtkoppler, F. R., D. O. Kelch & M. A. Berry. 1993. Attitudes of 1990, 1991, and 1992 Mid-America Boat-Show and 1991 Fairport Fishing Symposium Patrons Concerning the Zebra Mussel (*Dreissena polymorpha*), Lake Erie, and Great-Lakes Pollution. *J. Great Lakes Res.* 19(1):129–135.
- Liebig, J. R. & H. A. Vanderploeg. 1995. Vulnerability of *Dreissena polymorpha* Larvae to Predation by Great-Lakes Calanoid Copepods: The Importance of the Bivalve Shell. *J. Great Lakes Res.* 21(3):353–358.
- Limburg, K. E., V. A. Luzadis, M. Ramsey, K. L. Schulz & C. M. Mayer. 2010. The Good, the Bad, and the Algae: Perceiving Ecosystem Services and Disservices Generated by Zebra and Quagga Mussels. *J. Great Lakes Res.* 36(1):86–92.
- Lin, Y. J. & J. R. Edelman. 2004. Correlation Between the Chromocenter/Regeneration Hypothesis and Invasiveness of the Zebra Mussel, *Dreissena polymorpha*. *Nucleus (Calcutta)* 47(3):135–137.
- Lindeman, P. V. 2006. Zebra and Quagga Mussels (*Dreissena* spp.) and Other Prey of a Lake Erie Population of Common Map Turtles (Emyidae: *Graptemys geographica*). *Copeia* 2:268–273.
- Lodge, D. M., S. Williams, H. J. MacIsaac, K. R. Hayes, B. Leung, S. Reichard, R. N. Mack, P. B. Moyle, M. Smith, D. A. Andow, J. T. Carlton & A. McMichael. 2006. Biological Invasions: Recommendations for U.S. Policy and Management. *Ecol. Appl.* 16(6):2035–2054.
- Lohner, R. N., V. Sigler, C. M. Mayer & C. Balogh. 2007. A Comparison of the Benthic Bacterial Communities Within and Surrounding *Dreissena* Clusters in Lakes. *Microb. Ecol.* 54:469–477.
- Loomis, E. M., J. C. Sjoeborg, W. H. Wong & S. L. Gerstenberger. 2011. Abundance and Stomach Content Analysis of Threadfin Shad in Lake Mead, Nevada: Do Invasive Quagga Mussels Affect This Prey Species? *Aquatic Invasions* 6(2):157–168.
- Lori, E. & S. Cianfanelli. 2006. New Records of *Dreissena polymorpha* (Pallas, 1771) (Mollusca: Bivalvia: Dreissenidae) from Central Italy. *Aquatic Invasions* 1(4):281–283.
- Loup, B., F. Bultelle, R. Masson, A. Siah, F. Le Boulenger & J. M. Danger. 2006. Differential Gene Expression in Response to Atrazine Exposure in the Freshwater Mussel *Dreissena polymorpha*. *Mar. Environ. Res.* 62:S41–S42.
- Love, J. & J. F. Savino. 1993. Crayfish (*Orconectes virilis*) Predation on Zebra Mussels (*Dreissena polymorpha*). *J. Freshw. Ecol.* 8(3):253–259.
- Lowe, R. L. & R. W. Pillsbury. 1995. Shifts in Benthic Algal Community Structure and Function Following the Appearance of Zebra Mussels (*Dreissena polymorpha*) in Saginaw Bay, Lake Huron. *J. Great Lakes Res.* 21(4):558–566.
- Lowe, T. P. & D. D. Day. 2002. Metal Concentrations in Zebra Mussels and Sediments from Embayments and Riverine Environments of Eastern Lake Erie, Southern Lake Ontario, and the Niagara River. *Arch. Environ. Contam. Toxicol.* 43(3):301–308.
- Lozano, S. J., J. V. Scharold & T. F. Nalepa. 2001. Recent Declines in Benthic Macroinvertebrate Densities in Lake Ontario. *Can. J. Fish. Aquat. Sci.* 58:518–529.
- Lucker, T., D. Busch & W. Wosniok. 1997. Experiments to Determine the Impact of Salinity on the Heavy Metal Accumulation of *Dreissena polymorpha* (Pallas 1771). *Limnologia* 27(1):91–101.
- Lucy, F. 2006. Early Life Stages of *Dreissena polymorpha* (Zebra Mussel): The Importance of Long-Term Datasets in Invasion Ecology. *Aquatic Invasions* 1(3):171–182.
- Lucy, F. E., M. Connolly, T. K. Graczyk, L. Tamang, M. R. Sullivan & S. E. Mastitsky. 2010. Zebra Mussels (*Dreissena polymorpha*) Are Effective Sentinels of Water Quality Irrespective of Their Size. *Aquatic Invasions* 5(1):49–57.
- Lucy, F. E., D. A. N. Minchin & R. Boelens. 2008. from Lakes to Rivers: Downstream Larval Distribution of *Dreissena polymorpha* in Irish River Basins. *Aquatic Invasions* 3(3):297–304.
- Lucy, F. E. & E. Muckle-Jeffs. 2010. History of the Zebra Mussel: ICAIS Conference Series. *Aquatic Invasions* 5(1):1–3.
- Ludyanskiy, M. L., D. McDonald & D. MacNeill. 1993. Impact of the Zebra Mussel, a Bivalve Invader: *Dreissena polymorpha* Is Rapidly Colonizing Hard Surfaces Throughout Waterways of the United States and Canada. *Bioscience* 43(8):533–544.
- Luetjens, C. M. & A. W. C. Dorresteijn. 1995. Multiple, Alternative Cleavage Patterns Precede Uniform Larval Morphology During Normal Development of *Dreissena polymorpha* (Mollusca, Lamellibranchia). *Roux's Arch. Dev. Biol.* 205(3–4):138–149.
- Luetjens, C. M. & A. W. C. Dorresteijn. 1998. Dynamic Changes of the Microtubule System Corresponding to the Unequal and Spiral Cleavage Modes in the Embryo of the Zebra Mussel, *Dreissena polymorpha* (Mollusca, Bivalvia). *Zygote* 6(3):239–248.
- Luetjens, C. M. & A. W. C. Dorresteijn. 1998. The Site of Fertilization Determines Dorsoventral Polarity but Not Chirality in the Zebra Mussel Embryo. *Zygote* 6(2):125–135.
- Lukashov, D. V. 1999. Morphological Variability of *Dreissena bugensis* Andrusov Under Regulated Dnieper Run-off. *Gidrobiol. Zh.* 35(2):43–50.
- Lukashov, D. V. 2001. Current State of *Dreissena* Populations in the Basin-Cooler of Chernobyl. *Gidrobiol. Zh.* 37(3):40–45.
- Lukashev, D. V. 2007. Assessment of Polymetallic Contamination of the Dnieper River by Method of Calculation of Background Content of Heavy Metals in Mollusks *Dreissena bugensis*. *Gidrobiol. Zh.* 43(6):65–80.
- Lukashev, D. V. 2008. Assessment of Polymetallic Pollution of the Dnieper River by the Method of Calculation of the Background Content of Heavy Metals in *Dreissena bugensis*. *Hydrobiol. J.* 44(2):60–75.
- Lukashov, D. V. 2008. Peculiarities of Seasonal Dynamics of Accumulation of Manganese, Cobalt and Chromium by *Dreissena bugensis* (Andr.) in Kiev Area. *Gidrobiol. Zh.* 44(3):69–79.
- Lukashev, D. V. 2008. Peculiarities of Seasonal Dynamics of Manganese, Cobalt and Chromium Accumulation by the Mollusks *Dreissena bugensis* (Andr.) Nearby City of Kyiv. *Hydrobiol. J.* 44(5):63–72.
- Luschetzky, E. F. 2005. Bioaccumulation of Heavy Metals in the Zebra Mussel *Dreissena polymorpha* in the Rivers Danube and Drau and Its Role as a Bioindicator Organism. *Umweltwissenschaften Schadstoff-Forschung* 17(2):68–76.
- L'vova, A. A. 2004. On Invasion of *Dreissena bugensis* (Bivalvia, Dreissenidae) in the Ucha Reservoir (Moscow Oblast) and the Moscow River. *Zool. Zh.* 83(6):766–768.
- Lyashenko, A. V. & T. A. Kharchenko. 1989. Annual Dynamics of Energy Exchange in *Dreissena*. *Gidrobiologicheskii Zhurnal* 25(3):31–38.
- Lyashenko, A. V., Y. E. Zorina-Sakharova & V. V. Makovskiy. 2010. *Dreissena bugensis* Andr. (Mollusca, Bivalvia) in the Kiliya Delta of the Danube River. *Hydrobiol. J.* 46(3):112–115.

- Lynn, J. W. & J. R. Walker. 1997. Role of Microtubules in Pronuclear Formation and Migration and Establishment of the Cleavage Plane in Fertilized Eggs of a Freshwater Mussel, *Dreissena polymorpha*. *J. Shellfish Res.* 16(1):344–345.
- Ma, X. W., K. A. Bruner, S. W. Fisher & P. F. Landrum. 1999. Absorption of Hydrophobic Contaminants from Ingested *Chlamydomonas rheinhardtii* and *Chlorella vulgaris* by Zebra Mussels, *Dreissena polymorpha*. *J. Great Lakes Res.* 25(2):305–317.
- MacIsaac, H. J. 1994. Comparative Growth and Survival of *Dreissena polymorpha* and *Dreissena bugensis*, Exotic Mollusks Introduced to the Great Lakes. *J. Great Lakes Res.* 20(4):783–790.
- MacIsaac, H. J. 1994. Size-Selective Predation on Zebra Mussels (*Dreissena polymorpha*) by Crayfish (*Orconectes propinquus*). *J. North Am. Benthol. Soc.* 13(2):206–216.
- MacIsaac, H. J. 1996. Population Structure of an Introduced Species (*Dreissena polymorpha*) Along a Wave-Swept Disturbance Gradient. *Oecologia* 105(4):484–492.
- MacIsaac, H. J. 1996. Potential Abiotic and Biotic Impacts of Zebra Mussels on the Inland Waters of North America. *Am. Zool.* 36(3):287–299.
- MacIsaac, H. J., O. E. Johannsson, J. Ye, W. G. Sprules, J. H. Leach, J. A. Mccorquodale & I. A. Grigorovich. 1999. Filtering Impacts of an Introduced Bivalve (*Dreissena polymorpha*) in a Shallow Lake: Application of a Hydrodynamic Model. *Ecosystems (N.Y.)* 2(4):338–350.
- MacIsaac, H. J., C. J. Lonnee & J. H. Leach. 1995. Suppression of Microzooplankton by Zebra Mussels: Importance of Mussel Size. *Freshw. Biol.* 34(2):379–387.
- MacIsaac, H. J. & R. Rocha. 1995. Effects of Suspended Clay on Zebra Mussel (*Dreissena polymorpha*) Feces and Pseudofaeces Production. *Arch. Hydrobiol.* 135(1):53–64.
- MacIsaac, H. J., W. G. Sprules, O. E. Johannsson & J. H. Leach. 1992. Filtering Impacts of Larval and Sessile Zebra Mussels (*Dreissena polymorpha*) in Western Lake Erie. *Oecologia* 92(1):30–39.
- MacIsaac, H. J., W. G. Sprules & J. H. Leach. 1991. Ingestion of Small-Bodied Zooplankton by Zebra Mussels (*Dreissena polymorpha*): Can Cannibalism on Larvae Influence Population Dynamics? *Can. J. Fish. Aquat. Sci.* 48(11):2051–2060.
- Mackie, G. L. 1991. Biology of the Exotic Zebra Mussel, *Dreissena polymorpha*, in Relation to Native Bivalves and Its Potential Impact in Lake St-Clair. *Hydrobiologia* 219:251–268.
- Mackie, G. L. & B. W. Kilgour. 1995. Efficacy and Role of Alum in Removal of Zebra Mussel Veliger Larvae from Raw Water Supplies. *Water Res.* 29(2):731–744.
- Mackie, G. L. & D. W. Schloesser. 1996. Comparative Biology of Zebra Mussels in Europe and North America: An Overview. *Am. Zool.* 36(3):244–258.
- Mackie, G. L. & C. A. Wright. 1994. Ability of the Zebra Mussel, *Dreissena polymorpha* to Biodeposit and Remove Phosphorus and BOD from Diluted Activated Sewage-Sludge. *Water Res.* 28(5):1123–1130.
- Madenjian, C. P. 1995. Removal of Algae by the Zebra Mussel (*Dreissena polymorpha*) Population in Western Lake Erie: A Bioenergetics Approach. *Can. J. Fish. Aquat. Sci.* 52(2):381–390.
- Madenjian, C. P., G. L. Fahnenstiel, T. H. Johengen, T. H. Nalepa, H. A. Vanderploeg, G. W. Fleischer, P. H. Schneeberger, D. M. Darren, E. B. Smith, J. R. Bence, E. S. Rutherford, D. S. Lavis, D. M. Robertson, D. J. Jude & M. P. Ebener. 2002. Dynamics of the Lake Michigan Food Web, 1970–2000. *Can. J. Fish. Aquat. Sci.* 59:736–753.
- Madenjian, C. P., D. B. Bunnell & O. T. Gorman. 2010. Ninespine Stickleback Abundance in Lake Michigan Increases After Invasion of Dreissenid Mussels. *Trans. Am. Fish. Soc.* 139(1):11–20.
- Madenjian, C. P., S. A. Pothoven, J. M. Dettmers & J. D. Holuszko. 2006. Changes in Seasonal Energy Dynamics of Alewife (*Alosa pseudoharengus*) in Lake Michigan After Invasion of Dreissenid Mussels. *Can. J. Fish. Aquat. Sci.* 63(4):891–902.
- Madenjian, C. P., S. A. Pothoven, P. J. Schneeberger, M. P. Ebener, L. C. Mohr, T. F. Nalepa & J. R. Bence. 2010. Dreissenid Mussels Are Not a “Dead End” in Great Lakes Food Webs. *J. Great Lakes Res.* 36:73–77.
- Madon, S. P., D. W. Schneider & J. A. Stoeckel. 1998. *In Situ* Estimation of Zebra Mussel Metabolic Rates Using the Electron Transport System (ETS) Assay. *J. Shellfish Res.* 17(1):195–203.
- Madon, S. P., D. W. Schneider, J. A. Stoeckel & R. E. Sparks. 1998. Effects of Inorganic Sediment and Food Concentrations on Energetic Processes of the Zebra Mussel, *Dreissena polymorpha*: Implications for Growth in Turbid Rivers. *Can. J. Fish. Aquat. Sci.* 55(2):401–413.
- Magoulick, D. D. & L. C. Lewis. 2002. Predation on Exotic Zebra Mussels by Native Fishes: Effects on Predator and Prey. *Freshw. Biol.* 47(10):1908–1918.
- Maguire, C. M. & J. Grey. 2006. Determination of Zooplankton Dietary Shift Following a Zebra Mussel Invasion, as Indicated by Stable Isotope Analysis. *Freshw. Biol.* 51(7):1310–1319.
- Makarevich, T. A., S. E. Mastitsky & I. V. Savich. 2008. Phytoplankton on the Shells of *Dreissena polymorpha* (Pallas) in Lake Naroch. *Aquatic Invasions* 3(3):283–295.
- Makarewicz, J. C., P. Bertram & T. W. Lewis. 2000. Chemistry of the Offshore Surface Waters of Lake Erie: Pre- and Post-*Dreissena* Introduction (1983–1993). *J. Great Lakes Res.* 26(1):82–93.
- Makarewicz, J. C., T. W. Lewis & P. Bertram. 1999. Phytoplankton Composition and Biomass in the Offshore Waters of Lake Erie: Pre- and Post-*Dreissena* Introduction (1983–1993). *J. Great Lakes Res.* 25(1):135–148.
- Makhutova, O. N., E. G. Pryanichkova, M. I. Gladyshev & N. N. Sushchik. 2008. Seasonal Dynamics of Nutrition Spectrum of *Dreissena polymorpha* (Pallas, 1771) in Rybinsk Reservoir. *Dokl. Akad. Nauk* 423(5):710–713.
- Maki, J. S., G. Patel & R. Mitchell. 1998. Experimental Pathogenicity of *Aeromonas* spp. for the Zebra Mussel, *Dreissena polymorpha*. *Curr. Microbiol.* 36(1):19–23.
- Malkin, S. Y., S. J. Guildford & R. E. Hecky. 2008. Modeling the Growth Response of *Cladophora* in a Laurentian Great Lake to the Exotic Invader *Dreissena* and to Lake Warming. *Limnol. Oceanogr.* 53(3):1111–1124.
- Mantecca, P., G. Vailati & R. Bacchetta. 2000. Study of the Reproductive Cycle of *Dreissena polymorpha* (Mollusca; Bivalvia) in the Lake Como and in the Adda River by Histological Analysis. *Riv. Idrobiol.* 39(1–3):185–200.
- Mantecca, P., G. Vailati & R. Bacchetta. 2003. Histological Studies on the Zebra Mussel *Dreissena polymorpha* Reproduction from a DDT Contaminated Area in Lake Maggiore (N. Italy). *Arch. Hydrobiol.* 158(2):233–248.
- Mantecca, P., G. Vailati & R. Bacchetta. 2006. Histological Changes and Micronucleus Induction in the Zebra Mussel *Dreissena polymorpha* After Paraquat Exposure. *Histol. Histopathol.* 21(8):829–840.
- Mantecca, P., G. Vailati, L. Garibaldi & R. Bacchetta. 2003. Depth Effects on Zebra Mussel Reproduction. *Malacologia* 45(1):109–120.

- Marangelo, P. J. 2002. The Zebra Mussel (*Dreissena polymorpha*) Invasion of Two Rivers in Southeast Michigan: Interactions with Unionid Bivalves and Patterns of Riverine Colonization. *Malacol. Rev.* 35–36:149–165.
- Marcus, R. I. & S. L. Wahlert. 1994. Thermal Treatment Effectively Controls Zebra Mussels at Illinois Power Plants. *Power Eng.* 98(12): 41–44.
- Mari, L., R. Casagrandi, M. T. Pisani, E. Pucci & M. Gatto. 2009. When Will the Zebra Mussel Reach Florence? A Model for the Spread of *Dreissena polymorpha* in the Arno Water System (Italy). *Ecohydrology* 2(4):428–439.
- Marie, V., M. Baudrimont & A. Boudou. 2006. Cadmium and Zinc Bioaccumulation and Metallothionein Response in Two Freshwater Bivalves (*Corbicula fluminea* and *Dreissena polymorpha*) Transplanted Along a Polymetallic Gradient. *Chemosphere* 65(4):609–617.
- Marie, V., P. Gonzalez, M. Baudrimont, J. P. Bourdineaud & A. Boudou. 2006. Metallothionein Response to Cadmium and Zinc Exposures Compared in Two Freshwater Bivalves, *Dreissena polymorpha* and *Corbicula fluminea*. *Biometals* 19(4):399–407.
- Marsden, J. E. 1997. Common Carp Diet Includes Zebra Mussels and Lake Trout Eggs. *J. Freshw. Ecol.* 12(3):491–492.
- Marsden, J. E. & M. A. Chotkowski. 2001. Lake Trout Spawning on Artificial Reefs and the Effect of Zebra Mussels: Fatal Attraction? *J. Great Lakes Res.* 27(1):33–43.
- Marsden, J. E., K. Cummings & R. Fields. 1994. Zebra Mussel Control Response. *Fisheries (Bethesda, Md.)* 19(8):44.
- Marsden, J. E. & D. M. Lansky. 2000. Substrate Selection by Settling Zebra Mussels, *Dreissena polymorpha*, Relative to Material, Texture, Orientation, and Sunlight. *Can. J. Zool.* 78(5):787–793.
- Marsden, J. E., A. Spidle & B. May. 1995. Genetic Similarity Among Zebra Mussel Populations Within North-America and Europe. *Can. J. Fish. Aquat. Sci.* 52(4):836–847.
- Marsden, J. E., A. P. Spidle & B. May. 1996. Review of Genetic Studies of *Dreissena* spp. *Am. Zool.* 36(3):259–270.
- Martel, A. 1993. Dispersal and Recruitment of Zebra Mussel (*Dreissena polymorpha*) in a Nearshore Area in West-Central Lake Erie: The Significance of Postmetamorphic Drifting. *Can. J. Fish. Aquat. Sci.* 50(1):3–12.
- Martel, A. 1995. Demography and Growth of the Exotic Zebra Mussel (*Dreissena polymorpha*) in the Rideau River (Ontario). *Can. J. Zool.* 73(12):2244–2250.
- Martel, A. L., B. S. Baldwin, R. M. Dermott & R. A. Lutz. 2001. Species and Epilimnion/Hypolimnion-Related Differences in Size at Larval Settlement and Metamorphosis in *Dreissena* (Bivalvia). *Limnol. Oceanogr.* 46(3):707–713.
- Martel, A., T. M. Hynes & J. Bucklandnicks. 1995. Prodissoconch Morphology, Planktonic Shell Growth, and Site at Metamorphosis in *Dreissena polymorpha*. *Can. J. Zool.* 73(10):1835–1844.
- Martel, A. L., J. Madill & F. Schnueler. 2006. Apparent Refugia of Native Freshwater Mussels in the Upper Rideau River Threatened by Increased *Dreissena polymorpha* 15 Years After Its Introduction. *Tentacle* 14:32–33.
- Martel, A., A. F. Mathieu, C. S. Findlay, S. J. Nepszy & J. H. Leach. 1994. Daily Settlement Rates of the Zebra Mussel, *Dreissena polymorpha*, on an Artificial Substrate Correlate with Veliger Abundance. *Can. J. Fish. Aquat. Sci.* 51(4):856–861.
- Martel, A. L., D. A. Pathy, J. B. Madill, C. B. Renaud, S. L. Dean & S. J. Kerr. 2001. Decline and Regional Extirpation of Freshwater Mussels (Unionidae) in a Small River System Invaded by *Dreissena polymorpha*: The Rideau River, 1993–2000. *Can. J. Zool.* 79(12):2181–2191.
- Martemyanov, V. I. 2000. The Dynamics of the Sodium, Potassium, Calcium, Magnesium Contents in the Fresh Water Mollusc Zebra Mussel *Dreissena polymorpha* During Stress. *J. Evol. Biochem. Physiol.* 36(1):41–46.
- Martemyanov, V. I. 2000. The Dynamics of Sodium, Potassium, Calcium, Magnesium in Freshwater Molluscs *Dreissena polymorpha* During Stress. *Zh. Evol. Biokhim. Fiziol.* 36(1):33–36.
- Martemyanov, V. I. 2011. Influence of Environment Mineral Composition on the Indices of Water–Salt Metabolism in Established Rybinsk Reservoir *Dreissena polymorpha* Pallas. *Rossiskii Zhurnal Biologicheskikh Invazii* 2:120–134.
- Martens, A. 2009. The Quagga Mussel *Dreissena rostriformis bugensis* Invading the Main, Rhine and Neckar Rivers: Clues for a Potential Epizoon on Odonate Larvae. *Mercuriale* 9:23–26.
- Martens, A., K. Grabow & G. Schoolmann. 2007. The Quagga Mussel *Dreissena rostriformis bugensis* (Andrusov, 1897) at the Upper Rhine River, Germany (Bivalvia: Dreissenidae). *Lauterbornia* 61:145–152.
- Marti, J., S. Gammeter & L. Schifferli. 2004. Effects of the Colonization by *Dreissena polymorpha* on Wintering Waterbirds in a Lake on the Northern Edge of the Swiss Alps, 1967 to 2003. *Ornithol. Beobachter* 102(2):125–134.
- Martin, G. W. & L. D. Corkum. 1994. Predation of Zebra Mussels by Crayfish. *Can. J. Zool.* 72(11):1867–1871.
- Martin, I. D., G. L. Mackie & M. A. Baker. 1993. Acute Toxicity Tests and Pulsed-Dose Delayed Mortality at 12-Degrees-C and 22-Degrees-C in the Zebra Mussel (*Dreissena polymorpha*). *Arch. Environ. Contam. Toxicol.* 24(3):389–398.
- Martin, I. D., G. L. Mackie & M. A. Baker. 1993. Control of the Biofouling Mollusk, *Dreissena polymorpha* (Bivalvia, Dreissenidae), with Sodium-Hypochlorite and with Polyquaternary Ammonia and Benzothiazole Compounds. *Arch. Environ. Contam. Toxicol.* 24(3):381–388.
- Martinez-Orti, A. 2005. First Record of a Population of the Zebra Mussel in Valencian Freshwaters. *Notic. Soc. Espan. Malacol.* 44:64.
- Martoja, M. & M. Truchet. 1991. Histoanalytical Study of Silver Intoxication in Two Freshwater Molluscs *Dreissena polymorpha* and *Viviparus viviparus*. *Vie Milieu* 41(1):21–28.
- Marvin, C., L. Allan, D. Bryant & B. McCarry. 2000. Use of the Zebra Mussel (*Dreissena polymorpha*) as a Bioindicator for Aromatic Hydrocarbons in Hamilton Harbour. *Water Qual. Res. J. Canada* 35(1):59–72.
- Marvin, C. H., E. T. Howell & E. J. Reiner. 2000. Polychlorinated Dioxins and Furans in Sediments at a Site Colonized by *Dreissena* in Western Lake Ontario, Canada. *Environ. Toxicol. Chem.* 19(2):344–351.
- Marvin, C. H., B. E. McCarry & D. W. Bryant. 1994. Determination and Genotoxicity of Polycyclic Aromatic-Hydrocarbons Isolated from *Dreissena polymorpha* (Zebra Mussels) Sampled from Hamilton Harbor. *J. Great Lakes Res.* 20(3):523–530.
- Mastitsky, S. E. 2004. Nematodes Which Infect the Mollusc *Dreissena polymorpha* (Bivalvia: Dreissenidae) in Narochanskies Lakes. *Vestnik Belorusskogo Gosudarstvennogo Universiteta Seriya 2 Khimiya Biologiya Geografiya (Poland)* 3:22–101.
- Mastitsky, S. E., F. Lucy & V. G. Gagarin. 2008. First Report of Endosymbionts in *Dreissena polymorpha* from Sweden. *Aquatic Invasions* 3(1): 83–86.
- Mastitsky, S. E. & V. M. Samoilenko. 2005. Larvae of Chironomids (Insecta, Dipera) Encountered in the Mantle Cavity of Zebra Mussels, *Dreissena polymorpha* (Bivalvia, Dreissenidae). *Int. Rev. Hydrobiol.* 90(1):42–50.
- Mastitsky, S. E. & J. K. Veres. 2010. Field Evidence for a Parasite Spillback Caused by Exotic Mollusc *Dreissena polymorpha* in an Invaded Lake. *Parasitol. Res.* 106(3):667–675.

- Mastitsky, S. E. & G. G. Vezhnovets. 2006. Taxonomical Composition and Quantitative Development of Endosymbionts of the Mollusc *Dreissena polymorpha* (Pallas) in the River Berezina. *Vestnik Belorusskogo Gosudarstvennogo Universiteta Seriya 2 Khimiya Biologiya Geografiya (Poland)* 1:31–111.
- Matisoff, G., G. Brooks & B. I. Bourland. 1996. Toxicity of Chlorine Dioxide to Adult Zebra Mussels. *J. Am. Water Works Assoc.* 88(8): 93–106.
- Matthews, M. A. & R. F. McMahon. 1999. Effects of Temperature and Temperature Acclimation on Survival of Zebra Mussels (*Dreissena polymorpha*) and Asian Clams (*Corbicula fluminea*) Under Extreme Hypoxia. *J. Mollusc. Stud.* 65:317–325.
- Matthius, U. & S. Rompp. 1994. Evaluation of the *Dreissena*-Monitor at the Rhine River: A New Biological Monitoring-System on the Zebra Mussel *Dreissena polymorpha*. *Acta Hydrochim. Hydrobiol.* 22(4):161–165.
- Mavrin, A. S. & A. P. Strel'nikova. 2011. Feeding, Development, and Growth of Juvenile Perch *Perca fluviatilis* in Mesocosms in the Presence of Filter-Feeding Zebra Mussel *Dreissena polymorpha* Pallas. *Inland Water Biol.* 4(2):232–241.
- May, G. E., G. W. Gelembiuk, V. E. Panov, M. I. Orlova & C. E. Lee. 2006. Molecular Ecology of Zebra Mussel Invasions. *Mol. Ecol.* 15(4): 1021–1031.
- May, B. & J. E. Marsden. 1992. Genetic Identification and Implications of Another Invasive Species of Dreissenid Mussel in the Great-Lakes. *Can. J. Fish. Aquat. Sci.* 49(7):1501–1506.
- Mayer, C. M., R. A. Keats, L. G. Rudstam & E. L. Mills. 2002. Scale-Dependent Effects of Zebra Mussels on Benthic Invertebrates in a Large Eutrophic Lake. *J. North Am. Benthol. Soc.* 21(4):616–633.
- Mayer, C. M., L. G. Rudstam, E. L. Mills, S. G. Cardiff & C. A. Bloom. 2001. Zebra Mussels (*Dreissena polymorpha*), Habitat Alteration, and Yellow Perch (*Perca flavescens*) Foraging: System-Wide Effects and Behavioural Mechanisms. *Can. J. Fish. Aquat. Sci.* 58(12):2459–2467.
- Mayer, C. M., A. Vandevalk, J. L. Forney, L. G. Rudstam & E. L. Mills. 2000. Response of Yellow Perch (*Perca flavescens*) in Oneida Lake, New York, to the Establishment of Zebra Mussels (*Dreissena polymorpha*). *Can. J. Fish. Aquat. Sci.* 57(4):742–754.
- Mayer, S., A. Rander, K. Grabow & A. Martens. 2009. Inland Navigation Vessels as Vectors of the Quagga Mussel *Dreissena rostriformis bugensis* (Andrusov) in the Rhine River, Germany (Bivalvia: Dreissenidae). *Lauterbornia* 67:63–67.
- McAnlis, K. M. K., J. W. Lynn & M. J. Misamore. 2010. Lectin Labeling of Surface Carbohydrates on Gametes of Three Bivalves: *Crassostrea virginica*, *Mytilus galloprovincialis*, and *Dreissena bugensis*. *J. Shellfish Res.* 29(1):193–201.
- McCabe, D. J., M. A. Beekey, A. Mazloff & J. E. Marsden. 2006. Negative Effect of Zebra Mussels on Foraging and Habitat Use by Lake Sturgeon (*Acipenser fulvescens*). *Aquat. Conserv. Mar. Freshw. Ecosyst.* 16(5):493–500.
- McCarthy, T. K., J. Fitzgerald & W. O'Connor. 1997. The Occurrence of the Zebra Mussel *Dreissena polymorpha* (Pallas, 1771), an Introduced Biofouling Freshwater Bivalve in Ireland. *Irish Naturalists J.* 25(11–12):413–416.
- McCauley, S. J. & K. E. Wehrly. 2007. Zebra Mussel, *Dreissena polymorpha* (Pallas), Attachment to Odonata Larvae. *Odonatologica* 36(1):63–69.
- McLean, S. P., D. W. Evans, R. S. Rosell, D. Roberts & J. Livingstone. 2010. Establishment of the Zebra Mussel *Dreissena polymorpha* (Pallas) In Lough Neagh, Northern Ireland. *Biol. Environ. Proc. R. Irish Acad.* 110B(1):55–59.
- McMahon, R. F. 1996. The Physiological Ecology of the Zebra Mussel, *Dreissena polymorpha*, in North America and Europe. *Am. Zool.* 36(3): 339–363.
- McMahon, R. F. 2011. Quagga Mussel (*Dreissena rostriformis bugensis*) Population Structure During the Early Invasion of Lakes Mead and Mohave January–March 2007. *Aquatic Invasions* 6(2):131–140.
- McNickle, G. G., M. D. Rennie & W. G. Sprules. 2006. Changes in Benthic Invertebrate Communities of South Bay, Lake Huron Following Invasion by Zebra Mussels (*Dreissena polymorpha*), and Potential Effects on Lake Whitefish (*Coregonus clupeaformis*) Diet and Growth. *J. Great Lakes Res.* 32(1):180–193.
- Medler, S. & H. Silverman. 1997. Functional Organization of Intrinsic Gill Muscles in Zebra Mussels, *Dreissena polymorpha* (Mollusca: Bivalvia), and Response to Transmitters in *Vitro*. *Invertebr. Biol.* 116(3):200–212.
- Medler, S., C. C. Thompson, T. H. Dietz & H. Silverman. 1999. Ionic Effects on Intrinsic Gill Muscles in the Freshwater Bivalve, *Dreissena polymorpha*. *Comp. Biochem. Physiol. A* 122(2):163–172.
- Mellina, E. & J. B. Rasmussen. 1994. Occurrence of Zebra Mussel (*Dreissena polymorpha*) in the Intertidal Region of the St-Lawrence Estuary. *J. Freshw. Ecol.* 9(1):81–84.
- Mellina, E. & J. B. Rasmussen. 1994. Patterns in the Distribution and Abundance of Zebra Mussel (*Dreissena polymorpha*) in Rivers and Lakes in Relation to Substrate and Other Physicochemical Factors. *Can. J. Fish. Aquat. Sci.* 51(5):1024–1036.
- Mellina, E., J. B. Rasmussen & E. L. Mills. 1995. Impact of Zebra Mussel (*Dreissena polymorpha*) on Phosphorus Cycling and Chlorophyll in Lakes. *Can. J. Fish. Aquat. Sci.* 52(12):2553–2573.
- Mercer, J. L., M. G. Fox & C. D. Metcalfe. 1999. Changes in Benthos and Three Littoral Zone Fishes in a Shallow, Eutrophic Ontario Lake Following the Invasion of the Zebra Mussel (*Dreissena polymorpha*). *Lake Reservoir Manage.* 15(4):310–323.
- Mersch, J. & M. N. Beauvais. 1997. The Micronucleus Assay in the Zebra Mussel, *Dreissena polymorpha*, to *In Situ* Monitor Genotoxicity in Freshwater Environments. *Mutat. Res. Genet. Toxicol. Environ. Mutagen.* 393(1–2):141–149.
- Mersch, J., M. N. Beauvais & P. Nagel. 1996. Induction of Micronuclei in Haemocytes and Gill Cells of Zebra Mussels, *Dreissena polymorpha*, Exposed to Clastogens. *Mutat. Res. Genet. Toxicol.* 371(1–2):47–55.
- Mersch, J., A. Jeanjean, H. Spor & J.-C. Pihan. 1992. The Freshwater Mussel *Dreissena polymorpha* as a Bioindicator for Trace Metals, Organochlorines, and Radionuclides. *Limnol. Aktuell* 4:227–244.
- Mersch, J., E. Morhain & C. Mouvet. 1993. Laboratory Accumulation and Depuration of Copper and Cadmium in the Fresh-Water Mussel *Dreissena polymorpha* and the Aquatic Moss *Rhynchostegium riparioides*. *Chemosphere* 27(8):1475–1485.
- Mersch, J. & J. C. Pihan. 1993. Simultaneous Assessment of Environmental-Impact on Condition and Trace-Metal Availability in Zebra Mussels *Dreissena polymorpha* Transplanted into the Wiltz River, Luxembourg: Comparison with the Aquatic Moss. *Arch. Environ. Contam. Toxicol.* 25(3):353–364.
- Mersch, J., P. Wagner & J. C. Pihan. 1996. Copper in Indigenous and Transplanted Zebra Mussels in Relation to Changing Water Concentrations and Body Weight. *Environ. Toxicol. Chem.* 15(6):886–893.
- Metcalfe-Smith, J. L., M. E. Comba, K. L. E. Kaiser & S. R. De Solla. 2002. A Comparison of Methods for Normalizing Residues of Organic Contaminants in Zebra Mussels (*Dreissena polymorpha*), with Implications for Biomonitoring Programs. *Water Qual. Res. J. Canada* 37(2): 429–444.

- Miehls, A. L. J., D. M. Mason, K. A. Frank, A. E. Krause, S. D. Peacor & W. W. Taylor. 2009. Invasive Species Impacts on Ecosystem Structure and Function: A Comparison of Oneida Lake, New York, USA, Before and After Zebra Mussel Invasion. *Ecol. Modell.* 220(22):3194–3209.
- Miehls, A. L. J., D. M. Mason, K. A. Frank, A. E. Krause, S. D. Peacor & W. W. Taylor. 2009. Invasive Species Impacts on Ecosystem Structure and Function: A Comparison of the Bay of Quinte, Canada, and Oneida Lake, USA, Before and After Zebra Mussel Invasion. *Ecol. Modell.* 220(22):3182–3193.
- Mienis, H. K. 2007. More News About Quagga Mussels in Europe. *Ellipsaria* 9(3):7–8.
- Mienis, H. K. 2009. *Corbicula* and *Dreissena* in Beach Drift of the IJsselmeer, the Netherlands. *Ellipsaria* 11(3):21.
- Mienis, H. K. & C. E. M. Cevik. 2009. How Many *Dreissena* Species Are Living in the Seyhan Lake Near Balcali-Adana, Turkey? *Tentacle* 17:25–26.
- Mihuc, T. B., J. M. Battle, J. R. Mihuc & C. F. Bryan. 1999. Zebra Mussel (*Dreissena polymorpha*) Seasonal Colonization Patterns in a Sub-Tropical Floodplain River. *Hydrobiologia* 392(2):121–128.
- Millane, M., M. Kelly-Quinn & T. Champ. 2008. Impact of the Zebra Mussel Invasion on the Ecological Integrity of Lough Sheelin, Ireland: Distribution, Population Characteristics and Water Quality Changes in the Lake. *Aquatic Invasions* 3(3):271–281.
- Miller, A. C., J. Lei & J. Tom. 1994. Shell Strength of the Non-Indigenous Zebra Mussel *Dreissena polymorpha* (Pallas) in Comparison to 2 Other Fresh-Water Bivalve Species. *Veliger* 37(3):319–321.
- Miller, E. B. & M. C. Watzin. 2007. The Effects of Zebra Mussels on the Lower Planktonic Foodweb in Lake Champlain. *J. Great Lakes Res.* 33(2):407–420.
- Miller, R. L., J. J. Mojares & J. L. Ram. 1994. Species-Specific Sperm Attraction in the Zebra Mussel, *Dreissena polymorpha*, and the Quagga Mussel, *Dreissena bugensis*. *Can. J. Zool.* 72(10):1764–1770.
- Miller, S. J. & J. M. Haynes. 1997. Factors Limiting Colonization of Western New York Creeks by the Zebra Mussel (*Dreissena polymorpha*). *J. Freshw. Ecol.* 12(1):81–88.
- Mills, E. L., J. R. Chrisman, B. Baldwin, R. W. Owens, R. O’Gorman, T. Howell, E. F. Roseman & M. K. Raths. 1999. Changes in the Dreissenid Community in the Lower Great Lakes with Emphasis on Southern Lake Ontario. *J. Great Lakes Res.* 25(1):187–197.
- Mills, E. L., R. M. Dermott, E. F. Roseman, D. Dustin, E. Mellina, D. B. Conn & A. P. Spidle. 1993. Colonization, Ecology, and Population-Structure of the Quagga Mussel (Bivalvia, Dreissenidae) in the Lower Great-Lakes. *Can. J. Fish. Aquat. Sci.* 50(11):2305–2314.
- Mills, E. L., R. O’Gorman, E. F. Roseman, C. Adams & R. W. Owens. 1995. Planktivory by Alewife (*Alosa pseudoharengus*) and Rainbow Smelt (*Osmerus mordax*) on Microcrustacean Zooplankton and Dreissenid (Bivalvia, Dreissenidae) Veligers in Southern Lake-Ontario. *Can. J. Fish. Aquat. Sci.* 52(5):925–935.
- Mills, E. L., E. F. Roseman, M. Rutzke, W. H. Gutenmann & D. J. Lisk. 1993. Contaminant and Nutrient Element Levels in Soft-Tissues of Zebra and Quagga Mussels from Waters of Southern Lake-Ontario. *Chemosphere* 27(8):1465–1473.
- Mills, E. L., G. Rosenberg, A. P. Spidle, M. Ludyanskiy, Y. Pligin & B. May. 1996. A Review of the Biology and Ecology of the Quagga Mussel (*Dreissena bugensis*), a Second Species of Freshwater Dreissenid Introduced to North America. *Am. Zool.* 36(3):271–286.
- Mills, E. L., J. M. Casselman, R. Dermott, J. D. Fitzsimons, G. Gal, K. T. Holeck, J. A. Hoyle, O. E. Johannson, B. F. Lantry, J. C. Makarewicz, E. S. Millard, I. F. Munawar, M. Munawar, R. O’Gorman, R. W. Owens, L. G. Rudstam, T. Schaner & T. J. Stewart. 2003. Lake Ontario: Food Web Dynamics in a Changing Ecosystem (1970–2000). *Can. J. Fish. Aquat. Sci.* 60:471–490.
- Minchin, D. 2001. Dispersal of Zebra Mussels in Ireland. *Verh. Int. Ver. Limnol.* 27(3):1576–1579.
- Minchin, D. 2003. The Zebra Mussel *Dreissena polymorpha* (Pallas) Extends Its Range Westwards in Ireland. *Irish Biogeogr. Soc. Bull.* 27:176–182.
- Minchin, D., F. Lucy & M. Sullivan. 2002. Monitoring of Zebra Mussels in the Shannon-Boyle Navigation, Other Navigable and Principal Irish Lakes, 2000 & 2001. *Mar. Environ. Health Series (Dublin)* 5(vi):1–17.
- Minchin, D., F. Lucy & M. Sullivan. 2005. Ireland: A New Frontier for the Zebra Mussel *Dreissena polymorpha* (Pallas). *Oceanol. Hydrobiol. Stud.* 34:19–30.
- Minchin, D., C. Maguire & R. Rosell. 2003. The Zebra Mussel (*Dreissena polymorpha* Pallas) Invades Ireland: Human Mediated Vectors and the Potential for Rapid Intranational Dispersal. *Biol. Environment* 103B(1):23–30.
- Minchin, D. & C. Moriarty. 1998. Distribution of the Zebra Mussel *Dreissena polymorpha* (Pallas) in Ireland, 1997. *Irish Naturalists J.* 26(1–2):38–42.
- Minchin, D. & C. Moriarty. 1998. Zebra Mussels in Ireland. *Fishery Leaflet (Dublin)* 177:1–11.
- Minguez, L., A. Meyer, D. P. Molloy & L. Giamberini. 2009. Interactions Between Parasitism and Biological Responses in Zebra Mussels (*Dreissena polymorpha*): Importance in Ecotoxicological Studies. *Environ. Res.* 109(7):843–850.
- Minguez, L., D. P. Molloy, F. Guerold & L. Giamberini. 2011. Zebra Mussel (*Dreissena polymorpha*) Parasites: Potentially Useful Bioindicators of Freshwater Quality? *Water Res.* 45(2):665–673.
- Minier, C., A. Abarnou, A. Jaouen-Madoulet & A. M. Le Guellec. 2006. A Pollution-Monitoring Pilot Study Involving Contaminant and Biomarker Measurements in the Seine Estuary, France, Using Zebra Mussels (*Dreissena polymorpha*). *Environ. Toxicol. Chem.* 25(1):112–119.
- Minns, C. K., M. Munawar, M. A. Kooops & E. S. Millard. 2011. Long-Term Ecosystem Studies in the Bay of Quinte, Lake Ontario, 1972–2008: A Prospectus. *Aquat. Ecosyst. Health Manage.* 14(1):3–8.
- Misamore, M. J. & J. W. Lynn. 2000. Role of the Cytoskeleton in Sperm Entry During Fertilization in the Freshwater Bivalve *Dreissena polymorpha*. *Biol. Bull.* 199(2):144–156.
- Misamore, M., H. Silverman & J. W. Lynn. 1996. Analysis of Fertilization and Polyspermy in Serotonin-Spawned Eggs of the Zebra Mussel, *Dreissena polymorpha*. *Mol. Reprod. Dev.* 43(2):205–216.
- Misamore, M. J., K. K. Stein & J. W. Lynn. 2006. Sperm Incorporation and Pronuclear Development During Fertilization in the Freshwater Bivalve *Dreissena polymorpha*. *Mol. Reprod. Dev.* 73(9):1140–1148.
- Mitchell, C. A. & J. Carlson. 1993. Lesser Scaup Forage on Zebra Mussels at Cook Nuclear-Plant, Michigan. *J. Field Ornithol.* 64(2):219–222.
- Mitchell, J. S., R. C. Bailey & R. W. Knapton. 1996. Abundance of *Dreissena polymorpha* and *Dreissena bugensis* in a Warmwater Plume: Effects of Depth and Temperature. *Can. J. Fish. Aquat. Sci.* 53(8):1705–1712.
- Mitchell, J. S., R. C. Bailey & R. W. Knapton. 1999. Sources of Bias in the Use of Shell Fragments to Estimate the Size of Zebra and Quagga Mussels (*Dreissena polymorpha* and *Dreissena bugensis*). *Can. J. Zool.* 77(6):910–916.
- Mitchell, J. S., R. C. Bailey & R. W. Knapton. 2000. Effects of Predation by Fish and Wintering Ducks on Dreissenid Mussels at Nanticoke, Lake Erie. *Ecoscience* 7(4):398–409.

- Mitchell, M. J., E. L. Mills, N. Idrisi & R. Michener. 1996. Stable Isotopes of Nitrogen and Carbon in an Aquatic Food Web Recently Invaded by *Dreissena polymorpha* (Pallas). *Can. J. Fish. Aquat. Sci.* 53(6):1445–1450.
- Moertl, M. & K. O. Rothhaupt. 2003. Effects of Adult *Dreissena polymorpha* on Settling Juveniles and Associated Macroinvertebrates. *Int. Rev. Hydrobiol.* 88(6):561–569.
- Mojares, J. J., J. J. Stachecki, K. Kyojuka, D. R. Armant & J. L. Ram. 1995. Characterization of Zebra Mussel (*Dreissena polymorpha*) Sperm Morphology and Their Motility Prior to and After Spawning. *J. Exp. Zool.* 273(3):257–263.
- Molloy, D. P. 1998. The Potential for Using Biological Control Technologies in the Management of *Dreissena* spp. *J. Shellfish Res.* 17(1):177–183.
- Molloy, D. P., A. B. Bij de Vaate, T. Wilke & L. Giamberini. 2007. Discovery of *Dreissena rostriformis bugensis* (Andrusov 1897) in Western Europe. *Biol. Invasions* 9(7):871–874.
- Molloy, D. P., L. Giamberini, J. F. Morado, S. I. Fokin & F. Laruelle. 2001. Characterization of Intracytoplasmic Prokaryote Infections in *Dreissena* sp. (Bivalvia: Dreissenidae). *Dis. Aquat. Organ.* 44(3):203–216.
- Molloy, D. P., A. Y. Karatayev, L. E. Burlakova, D. P. Kurandina & F. Laruelle. 1997. Natural Enemies of Zebra Mussels: Predators, Parasites, and Ecological Competitors. *Rev. Fish. Sci.* 5(1):27–97.
- Molloy, D. P., D. H. Lynn & L. Giamberini. 2005. *Ophryoglena hemophaga* N. sp. (Ciliophora: Ophryoglenidae): A Parasite of the Digestive Gland of Zebra Mussels *Dreissena polymorpha*. *Dis. Aquat. Organ.* 65(3):237–243.
- Molloy, D. P., D. H. Lynn & L. Giamberini. 2006. *Ophryoglena hemophaga* N. sp. (Ciliophora: Ophryoglenidae): A Parasite of the Digestive Gland of Zebra Mussels *Dreissena polymorpha*. *Dis. Aquat. Organ.* 70(1–2):181. Correction to 2005 article 65:237.
- Molloy, D. P., D. H. Lynn & L. Giamberini. 2007. *Ophryoglena hemophaga* N. sp. (Ciliophora: Ophryoglenidae): A Parasite of the Digestive Gland of Zebra Mussels *Dreissena Polymorpha*. *Dis. Aquat. Organ.* 77:259. Correction to 2005 article 65:237.
- Molloy, D. P., J. Powell & P. Ambrose. 1994. Short-Term Reduction of Adult Zebra Mussels (*Dreissena polymorpha*) in the Hudson River Near Catskill, New York: An Effect of Juvenile Blue Crab (*Callinectes sapidus*) Predation. *J. Shellfish Res.* 13(2):367–371.
- Molloy, D. P., V. A. Roitman & J. D. Shields. 1996. Survey of the Parasites of Zebra Mussels (*Dreissena*: Dreissenidae) in Northwestern Russia, with Comments on Records of Parasitism in Europe and North America. *J. Helminthol. Soc. Wash.* 63(2):251–256.
- Morpurgo, M. & B. Thaler. 2002. Find of *Dreissena polymorpha* (Pallas) (Mollusca, Bivalvia) in the Lake of Monticolo (South Tyrol, Italy). *Gredleriana* 2:219–222.
- Morrison, H., T. Yankovich, R. Lazar & G. D. Haffner. 1995. Elimination Rate Constants of 36 PCBs in Zebra Mussels (*Dreissena polymorpha*) and Exposure Dynamics in the Lake St Clair Lake Erie Corridor. *Can. J. Fish. Aquat. Sci.* 52(12):2574–2582.
- Morrison H. A., F. A. P. C. Gobas, R. Lazar, D. M. Whittle & G. D. Haffner. 1998. Projected Changes to the Trophodynamics of PCBs in the Western Lake Erie Ecosystem Attributed to the Presence of Zebra Mussels (*Dreissena polymorpha*). *Environ. Sci. Technol.* 32(24):3862–3867.
- Morrison, T. W., W. E. Lynch & K. Dabrowski. 1997. Predation on Zebra Mussels by Freshwater Drum and Yellow Perch in Western Lake Erie. *J. Great Lakes Res.* 23(2):177–189.
- Morse, J. T. 2009. Assessing the Effects of Application Time and Temperature on the Efficacy of Hot-Water Sprays to Mitigate Fouling by *Dreissena polymorpha* (Zebra Mussels Pallas). *Biofouling* 25(7):605–610.
- Mortl, M. & K. O. Rothhaupt. 2003. Effects of Adult *Dreissena polymorpha* on Settling Juveniles and Associated Macroinvertebrates. *Int. Rev. Hydrobiol.* 88(6):561–569.
- Mouabad, A. & J. C. Pihan. 1992. The Pumping Behaviour Response of *Dreissena polymorpha* to Pollutants: A Method for Toxicity Screening. *Limnol. Aktuell* 4:147–154.
- Mueller, J. C., D. Hidde & A. Seitz. 2002. Canal Construction Destroys the Barrier Between Major European Invasion Lineages of the Zebra Mussel. *Pro. R. Soc. Biol. Sci. Ser. B* 269:1139–1142.
- Mueller, J. C., S. Woell, U. T. A. Fuchs & A. Seitz. 2001. Genetic Interchange of *Dreissena polymorpha* Populations Across a Canal. *Heredity* 86(1):103–109.
- Mueting, S. A. & S. L. Gerstenberger. 2010. Mercury Concentrations in Quagga Mussels, *Dreissena bugensis*, from Lakes Mead, Mohave and Havasu. *Bull. Environ. Contam. Toxicol.* 84(4):497–501.
- Mueting, S. A. & S. L. Gerstenberger. 2011. The 100th Meridian Initiative at the Lake Mead National Recreation Area, NV, USA: Differences Between Boater Behaviors Before and After a Quagga Mussel, *Dreissena rostriformis bugensis*, Invasion. *Aquatic Invasions* 6(2):223–229.
- Mueting, S. A., S. L. Gerstenberger & W. H. Wong. 2010. An Evaluation of Artificial Substrates for Monitoring the Quagga Mussel (*Dreissena bugensis*) in Lake Mead, NV. *Lake Reservoir Manage.* 26:283–292.
- Musko, I. B. & B. Bako. 2005. The Density and Biomass of *Dreissena polymorpha* Living on Submerged Macrophytes in Lake Balaton (Hungary). *Arch. Hydrobiol.* 162(2):229–251.
- Naddafi, R., T. Blenckner, P. Eklov & K. Pettersson. 2011. Physical and Chemical Properties Determine Zebra Mussel Invasion Success in Lakes. *Hydrobiologia* 669(1):227–236.
- Naddafi, R., P. Eklov & K. Pettersson. 2007. Non-Lethal Predator Effects on the Feeding Rate and Prey Selection of the Exotic Zebra Mussel *Dreissena polymorpha*. *Oikos* 116(8):1289–1298.
- Naddafi, R., P. Eklov & K. Pettersson. 2009. Stoichiometric Constraints Do Not Limit Successful Invaders: Zebra Mussels in Swedish Lakes. *PLoS ONE* 4(4):e5345.
- Naddafi, R., K. Pettersson & P. Eklov. 2007. The Effect of Seasonal Variation in Selective Feeding by Zebra Mussels (*Dreissena polymorpha*) on Phytoplankton Community Composition. *Freshw. Biol.* 52(5):823–842.
- Naddafi, R., K. Pettersson & P. Eklov. 2007. The Effect of Seasonal Variation in Selective Feeding by Zebra Mussels (*Dreissena polymorpha*) on Phytoplankton Community Composition. *Freshw. Biol.* 52(7):1416. Correction. 52:823.
- Naddafi, R., K. Pettersson & P. Eklov. 2008. Effects of the Zebra Mussel, an Exotic Freshwater Species, on Seston Stoichiometry. *Limnol. Oceanogr.* 53(5):1973–1987.
- Naddafi, R., K. Pettersson & P. Eklov. 2010. Predation and Physical Environment Structure the Density and Population Size Structure of Zebra Mussels. *J. North Am. Benthol. Soc.* 29(2):444–453.
- Nagelkerke, L. A. J. & F. A. Sibbing. 1996. Efficiency of Feeding on Zebra Mussel (*Dreissena polymorpha*) by Common Bream (*Abramis brama*), White Bream (*Blicca bjoerkna*), and Roach (*Rutilus rutilus*): The Effects of Morphology and Behavior. *Can. J. Fish. Aquat. Sci.* 53(12):2847–2861.



- Naish, K. A. & E. G. Boulding. 2001. Trinucleotide Microsatellite Loci for the Zebra Mussel *Dreissena polymorpha*, an Invasive Species in Europe and North America. *Mol. Ecol. Notes* 1(4):286–288.
- Naish, K. & E. G. Boulding. 2011. Clarification of the Microsatellite Loci Developed for the Zebra Mussel. *Mol. Ecol. Resour.* 11(1):223–224.
- Nalepa, T. F. 1994. Decline of Native Unionid Bivalves in Lake St Clair After Infestation by the Zebra Mussel, *Dreissena polymorpha*. *Can. J. Fish. Aquat. Sci.* 51(10):2227–2233.
- Nalepa, T. F., J. F. Cavaletto, M. Ford, W. M. Gordon & M. Wimmer. 1993. Seasonal and Annual Variation in Weight and Biochemical Content of the Zebra Mussel, *Dreissena polymorpha*, in Lake St-Clair. *J. Great Lakes Res.* 19(3):541–552.
- Nalepa, T. F. & G. L. Fahnenstiel. 1995. Preface: *Dreissena polymorpha* in the Saginaw Bay, Lake Huron Ecosystem: Overview and Perspective. *J. Great Lakes Res.* 21(4):411–416.
- Nalepa, T. F., D. L. Fanslow & A. J. Foley. 2005. Spatial Patterns in Population Trends of the Amphipod *Diporeia* spp. and *Dreissena* mussels in Lake Michigan. *Int. Vereinigung Theoretische Angewandte Limnol.* 29(1):426–431.
- Nalepa, T. F., D. L. Fanslow & G. A. Lang. 2009. Transformation of the Offshore Benthic Community in Lake Michigan: Recent Shift from the Native Amphipod *Diporeia* spp. to the Invasive Mussel *Dreissena rostriformis bugensis*. *Freshw. Biol.* 54(3):466–479.
- Nalepa, T. F., D. L. Fanslow, M. B. Lansing & G. A. Lang. 2003. Trends in the Benthic Macroinvertebrate Community of Saginaw Bay, Lake Huron, 1987 to 1996: Responses to Phosphorus Abatement and the Zebra Mussel, *Dreissena polymorpha*. *J. Great Lakes Res.* 29(1):14–33.
- Nalepa, T. F., D. L. Fanslow & S. A. Pothoven. 2010. Recent Changes in Density, Biomass, Recruitment, Size Structure, and Nutritional State of *Dreissena* Populations in Southern Lake Michigan. *J. Great Lakes Res.* 36:5–19.
- Nalepa, T. F., D. L. Fanslow, S. A. Pothoven, A. J. Foley & G. A. Lang. 2007. Long-term Trends in Benthic Macroinvertebrate Populations in Lake Huron over the Past Four Decades. *J. Great Lakes Res.* 33:421–436.
- Nalepa, T. F., D. J. Hartson, J. Buchanan, J. F. Cavaletto, G. A. Lang & S. J. Lozano. 2000. Spatial Variation in Density, Mean Size and Physiological Condition of the Holarctic Amphipod *Diporeia* spp. *Freshw. Biol.* 43:107–109.
- Nalepa, T. F., D. J. Hartson, D. L. Fanslow & G. A. Lang. 2001. Recent Population Changes in Freshwater Mussels (Bivalvia: Unionidae) and Zebra Mussels (*Dreissena polymorpha*) in Lake St. Clair, USA. *Am. Malacol. Bull.* 16(1–2):141–145.
- Nalepa, T. F., D. J. Hartson, D. L. Fanslow, G. A. Lang & S. J. Lozano. 1998. Declines in Benthic Macroinvertebrate Populations in Southern Lake Michigan, 1980–1993. *Can. J. Fish. Aquat. Sci.* 55:2402–2413.
- Nalepa, T. F., D. J. Hartson, G. W. Gostenik, D. L. Fanslow & G. A. Lang. 1996. Changes in the Freshwater Mussel Community of Lake St Clair: from Unionidae to *Dreissena polymorpha* in Eight Years. *J. Great Lakes Res.* 22(2):354–369.
- Nalepa, T. F., S. A. Pothoven & D. L. Fanslow. 2009. Recent Changes in Benthic Macroinvertebrate Populations in Lake Huron and Impact on the Diet of Lake Whitefish. *Aquat. Ecosyst. Health Manage.* 12(1):2–10.
- Nalepa, T. F., D. W. Schloesser, S. A. Pothoven, D. W. Hondorp, D. L. Fanslow, M. L. Tuchman & G. W. Fleischer. 2001. First Finding of the Amphipod *Echinogammarus ischnus* and the Mussel *Dreissena bugensis* in Lake Michigan. *J. Great Lakes Res.* 27(3):384–391.
- Nalepa, T. F., J. A. Wojcik, D. L. Fanslow & G. A. Lang. 1995. Initial Colonization of the Zebra Mussel (*Dreissena polymorpha*) in Saginaw Bay, Lake Huron: Population Recruitment, Density, and Size Structure. *J. Great Lakes Res.* 21(4):417–434.
- Navarro, A., M. Faria, C. Barata & B. Pina. 2011. Transcriptional Response of Stress Genes to Metal Exposure in Zebra Mussel Larvae and Adults. *Environ. Pollut.* 159(1):100–107.
- Navarro, E., M. Bacardit, L. Caputo, T. Palau & J. Armengol. 2006. Limnological Characterization and Flow Patterns of a Three-Coupled Reservoir System and Their Influence on *Dreissena polymorpha* Populations and Settlement During the Stratification Period. *Lake Reservoir Manage.* 22(4):293–302.
- Neary, B. P. & J. H. Leach. 1992. Mapping the Potential Spread of the Zebra Mussel (*Dreissena polymorpha*) in Ontario. *Can. J. Fish. Aquat. Sci.* 49(2):406–415.
- Nelson, K. M., C. R. Ruetz & D. G. Uzarski. 2009. Colonisation by *Dreissena* of Great Lakes Coastal Ecosystems: How Suitable Are Wetlands? *Freshw. Biol.* 54(11):2290–2299.
- Neves, R. J. 1999. Conservation of North America's Freshwater Mussel Fauna (Unionoidea) from the Threat Posed by the Exotic Zebra Mussel (*Dreissena polymorpha*). *Malacol. Rev.* (Suppl. 8):107–118.
- Newroth, P. 1993. Zebra Mussels. *Victoria Naturalist* 49(6):8–11.
- Nicholls, K. H. 1999. Evidence for a Trophic Cascade Effect on North-Shore Western Lake Erie Phytoplankton Prior to the Zebra Mussel Invasion. *J. Great Lakes Res.* 25(4):942–949.
- Nicholls, K. H. 2001. Cusum Phytoplankton and Chlorophyll Functions Illustrate the Apparent Onset of Dreissenid Mussel Impacts in Lake Ontario. *J. Great Lakes Res.* 27(4):393–401.
- Nicholls, K. H. & E. C. Carney. 2011. The Phytoplankton of the Bay of Quinte, 1972–2008: Point-Source Phosphorus Loading Control, Dreissenid Mussel Establishment, and a Proposed Community Reference. *Aquat. Ecosyst. Health Manage.* 14(1):33–43.
- Nicholls, K. H., L. Heintsch & E. Carney. 2002. Univariate Step-Trend and Multivariate Assessments of the Apparent Effects of P Loading Reductions and Zebra Mussels on the Phytoplankton of the Bay of Quinte, Lake Ontario. *J. Great Lakes Res.* 28(1):15–31.
- Nicholls, K. H. & G. J. Hopkins. 1993. Recent Changes in Lake Erie (North Shore) Phytoplankton: Cumulative Impacts of Phosphorus Loading Reductions and the Zebra Mussel Introduction. *J. Great Lakes Res.* 19(4):637–647.
- Nicholls, K. H., G. J. Hopkins & S. J. Standke. 1999. Reduced Chlorophyll to Phosphorus Ratios in Nearshore Great Lakes Waters Coincide with the Establishment of Dreissenid Mussels. *Can. J. Fish. Aquat. Sci.* 56(1):153–161.
- Nicholls, K. H., J. A. Hoyle, O. E. Johannsson & R. Dermott. 2011. A Biological Regime Shift in the Bay of Quinte Ecosystem (Lake Ontario) Associated with the Establishment of Invasive Dreissenid Mussels. *J. Great Lakes Res.* 37(2):310–317.
- Nichols, S. J. 1996. Variations in the Reproductive Cycle of *Dreissena polymorpha* in Europe, Russia, and North America. *Am. Zool.* 36(3):311–325.
- Nichols, S. J. & J. Amberg. 1997. Population Dynamics of *Leptodea fragilis* in a Zebra Mussel-Infested Lake Erie Wetland. *J. Shellfish Res.* 16(1):345–346.
- Nichols, S. J. & J. Amberg. 1999. Co-Existence of Zebra Mussels and Freshwater Unionids: Population Dynamics of *Leptodea fragilis* in a Coastal Wetland Infested with Zebra Mussels. *Can. J. Zool.* 77(3):423–432.
- Nichols, S. J. & M. G. Black. 1994. Identification of Larvae: The Zebra Mussel (*Dreissena polymorpha*), Quagga Mussel (*Dreissena rostriformis bugensis*), and Asian Clam (*Corbicula fluminea*). *Can. J. Zool.* 72(3):406–417.

- Nichols, S. J., H. Silverman, T. H. Dietz, J. W. Lynn & D. L. Garling. 2005. Pathways of Food Uptake in Native (Unionidae) and Introduced (Corbiculidae and Dreissenidae) Freshwater Bivalves. *J. Great Lakes Res.* 31(1):87–96.
- Nichols, S. J. & D. A. Wilcox. 1997. Burrowing Saves Lake Erie Clams. *Nature* 389:291.
- Nikolov, B. N., D. G. Georgiev & S. D. Salapatyiska. 2009. A Study of the Survival and Oxygen Deficiency of the Zebra Mussel (*Dreissena polymorpha*) Treated with Zinc (Zn). *Ecol. Balkan.* 1:5–8.
- Noges, T., A. Jarvet, A. Kisand, R. Laugaste, E. Loigu, B. Skakalski & P. Noges. 2007. Reaction of Large and Shallow Lakes Peipsi and Vortsjarv to the Changes of Nutrient Loading. *Hydrobiologia* 584:253–264.
- Noonburg, E. G., B. J. Shuter & P. A. Abrams. 2003. Indirect Effects of Zebra Mussels (*Dreissena polymorpha*) on the Planktonic Food Web. *Can. J. Fish. Aquat. Sci.* 60(11):1353–1368.
- Noordhuis, R., H. H. Reeders & A. Bij de Vaate. 1992. Filtration Rate and Pseudofaeces Production in Zebra Mussels and Their Application in Water Quality Management. *Limnol. Aktuell* 4:101–114.
- Noordhuis, R., H. H. Reeders & R. Scheffer. 1992. Why Zebra Mussels (*Dreissena polymorpha*) Cannot Cope in the Border Lakes of the Flevopolders Levende. *Natuur* 93:188–192.
- Nuttall, C. P. 1990. Review of the Caenozoic Heterodont Bivalve Superfamily Dreissenacea. *Palaeontology* 33:707–737.
- Ocepek, I. 1995. The Mollusc *Dreissena polymorpha* in the Austrian Koros Area. *Proteus* 58(3):139.
- Odonnell, J. M., M. E. Durand, P. M. L. Robitaille, S. W. Fisher & P. C. Stromberg. 1996. P-31-NMR Analysis of Lethal and Sublethal Lesions Produced by KCl-Intoxication in the Zebra Mussel, *Dreissena polymorpha*. *J. Exp. Zool.* 276(1):53–62.
- Oertel, N. 1998. The Control of Heavy Metals by Zebra Mussel (*Dreissena polymorpha* Pallas) in the Hungarian Danube Section. *Hidrol. Kozlony* 78(5–6):266–268.
- Oertel, N. 2001. Translocation of Zebra Mussel (*Dreissena polymorpha* Pallas) as a Tool to Monitor Heavy Metals in the River Danube. *Int. Vereinigung Theoret. Angewandte Limnol. Verhandlungen* 27(5):2729–2733.
- O’Gorman, R., J. H. Elrod, R. W. Owens, C. P. Schneider, T. H. Eckert & B. F. Lantry. 2000. Shifts in Depth Distributions of Alewives, Rainbow Smelt, and Age-2 Lake Trout in Southern Lake Ontario Following Establishment of Dreissenids. *Trans. Am. Fish. Soc.* 129(5):1096–1106.
- Oliver, P. G., A. M. Holmes & C. Mettam. 1998. *Mytilopsis leucophaeta* (Conrad, 1831) (Bivalvia: Dreissenioidea): A Species New to the British Fauna. *J. Conchol.* 36:13–18.
- Orlova, M., S. Golubkov, L. Kalinina & N. Ignatieva. 2004. *Dreissena polymorpha* (Bivalvia: Dreissenidae) in the Neva Estuary (Eastern Gulf of Finland, Baltic Sea): Is It a Biofilter or Source for Pollution? *Mar. Pollut. Bull.* 49(3):196–205.
- Orlova, M. I., V. V. Khlebovich & A. Y. Komendantov. 1998. Potential Euryhalinity of *Dreissena polymorpha* (Pallas) and *Dreissena bugensis* (Andr.). *Russian J. Aquatic Ecol.* 7(1–2):17–28.
- Orlova, M. I., J. R. Muirhead, P. I. Antonov, G. K. Shcherbina, Y. I. Starobogatov, G. I. Biochino, T. W. Therriault & H. J. MacIsaac. 2004. Range Expansion of Quagga Mussels *Dreissena rostriformis bugensis* in the Volga River and Caspian Sea Basin. *Aquat. Ecol.* 38(4):561–573.
- Orlova, M. I. & V. E. Panov. 2004. Establishment of the Zebra Mussel, *Dreissena polymorpha* (Pallas), in the Neva Estuary (Gulf of Finland, Baltic Sea): Distribution, Population Structure and Possible Impact on Local Unionid Bivalves. *Hydrobiologia* 514(1–3):207–217.
- Orlova, M. I. & G. K. Shcherbina. 2002. On Distribution of *Dreissena bugensis* (Dreissenidae, Bivalvia) in Reservoirs of the Upper Volga River Basin. *Zool. Zhurnal* 81(5):515–520.
- Orlova, M. I., T. W. Therriault, P. I. Antonov & G. K. Shcherbina. 2005. Invasion Ecology of Quagga Mussels (*Dreissena rostriformis bugensis*): A Review of Evolutionary and Phylogenetic Impacts. *Aquat. Ecol.* 39(4):401–418.
- Osman, A. M., S. Rottevel, P. J. Den Besten & P. C. M. Van Noort. 2004. *In Vivo* Exposure of *Dreissena polymorpha* Mussels to the Quinones Menadione and Lawsone: Menadione Is More Toxic to Mussels Than Lawsone. *J. Appl. Toxicol.* 24(2):135–141.
- Osman, A. M., H. Van Den Heuvel & P. C. M. Van Noort. 2007. Differential Responses of Biomarkers in Tissues of a Freshwater Mussel, *Dreissena polymorpha*, to the Exposure of Sediment Extracts with Different Levels of Contamination. *J. Appl. Toxicol.* 27(1):51–59.
- Osman, A. M. & P. C. M. Van Noort. 2007. Comparison of Key Enzymes in the Zebra Mussel, *Dreissena polymorpha*, the Earthworm *Allolobophora chlorotica* and *Chironomus riparius* Larvae. *Ecotoxicol. Environ. Saf.* 67(2):212–217.
- Osterling, E. M., E. Bergman, L. A. Greenberg, B. S. Baldwin & E. L. Mills. 2007. Turbidity-mediated Interactions Between Invasive Filter-Feeding Mussels and Native Bioturbating Mayflies. *Freshw. Biol.* 52:1602–1610.
- Ozersky, T., D. R. Barton, D. C. Depew, R. E. Hecky & S. J. Guildford. 2011. Effects of Water Movements on the Distribution of Invasive Dreissenid Mussels in Lake Simcoe, Ontario. *J. Great Lakes Res.* 37(Suppl. 3):46–54.
- Ozersky, T., D. R. Barton & D. O. Evans. 2011. Fourteen Years of Dreissenid Presence in the Rocky Littoral Zone of a Large Lake: Effects on Macroinvertebrate Abundance and Diversity. *J. North Am. Benthol. Soc.* 30(4):913–922.
- Ozersky, T., S. Y. Malkin, D. R. Barton & R. E. Hecky. 2009. Dreissenid Phosphorus Excretion Can Sustain *Cladophora glomerata* Growth Along a Portion of Lake Ontario Shoreline. *J. Great Lakes Res.* 35(3):321–328.
- Ozimek, T. 1997. Submerged Macrophytes as a Substrate for *Dreissena polymorpha* (Pall.) in Five Lakes of the Jorka River Watershed. *Pol. Arch. Hydrobiol.* 44(4):445–455.
- Pace, M., S. E. G. Findlay & D. Fisher. 1998. Effects of an Invasive Bivalve on the Zooplankton Community of the Hudson River. *Freshw. Biol.* 39:103–116.
- Padilla, D. K. 2005. The Potential of Zebra Mussels as a Model for Invasion Ecology. *Am. Malacol. Bull.* 20(1–2):123–131.
- Padilla, D. K., S. C. Adolph, K. L. Cottingham & D. W. Schneider. 1996. Predicting the Consequences of Dreissenid Mussels on a Pelagic Food Web. *Ecol. Modell.* 85(2–3):129–144.
- Padilla, D. K., M. A. Chotkowski & L. A. J. Buchan. 1996. Predicting the Spread of Zebra Mussels (*Dreissena polymorpha*) to Inland Waters Using Boater Movement Patterns. *Global Ecol. Biogeogr. Lett.* 5(6):353–359.
- Pain, S., S. Devin & M. Parant. 2007. Biomarker Versus Environmental Factors: Seasonal Variations and Modelling Multixenobiotic Defence (MXD) Transport Activity in Transplanted Zebra Mussels. *Sci. Total Environ.* 373(1):103–112.
- Pain, S. & M. Parant. 2003. Response of Multixenobiotic Defence Mechanism in *Dreissena polymorpha* Exposed to Environmental Stress. *Chemosphere* 52(7):1105–1113.
- Palais, F., G. Jubeaux, O. Dedourge-Geffard, S. Biagianni-Risbourg & A. Geffard. 2010. Amylolytic and Cellulolytic Activities in the Crystalline Style and the Digestive Diverticulae of the Freshwater Bivalve *Dreissena polymorpha* (Pallas, 1771). *Mollusc. Res.* 30(1):29–36.

- Palais, F., C. Mouneyrac, O. Dedourge-Geffard, L. Giamberini, S. Biagianti-Risbourg & A. Geffard. 2011. One-Year Monitoring of Reproductive and Energy Reserve Cycles in Transplanted Zebra Mussels (*Dreissena polymorpha*). *Chemosphere* 83(8):1062–1073.
- Palau, A. 2009. Basic Ecology of Zebra Mussel and Water Masses Vulnerability. *Atzavara* 18:61–66.
- Pankov, I. V. 1994. Accumulation of Long-Living Radionuclides in Mollusks of Genus *Dreissena* in Conditions of Dnieprovia Water-Reservoirs. *Gidrobiol. Zh.* 30(2):93–96.
- Papaianopol, I. & R. Macalet. 1997. New Forms of the Genus *Congerina* and *Dreissena* (Bivalvia, Dreissenidae) from the Pontian of Muntenia (Dacian Basin, Romania). *Analele Stiintifice Universitatii "Al. I. Cuza" din Iasi Geologie* 42:269–277.
- Parant, M. & S. Pain. 2001. Potential Use of Multixenobiotic Defense Mechanism (MXDM) in *Dreissena polymorpha* as a Biomarker for the Monitoring of Freshwater Pollution. *Water Res.* 35(15):3743–3748.
- Parker, B. C., M. A. Patterson & R. J. Neves. 1998. Feeding Interactions Between Native Freshwater Mussels (Bivalvia: Unionidae) and Zebra Mussels (*Dreissena polymorpha*) in the Ohio River. *Am. Malacol. Bull.* 14(2):173–179.
- Parker, B. C., M. A. Patterson & R. J. Neves. 1998. Feeding Interactions Between Native Ohio River Mussels (Bivalvia: Unionidae) and Zebra Mussels (*Dreissena polymorpha*). *J. Phycol.* 34(Suppl. 3):44–45.
- Parolini, M., A. Binelli, D. Cogni & A. Provini. 2010. Multi-Biomarker Approach for the Evaluation of the Cyto-Genotoxicity of Paracetamol on the Zebra Mussel (*Dreissena polymorpha*). *Chemosphere* 79(5):489–498.
- Parolini, M., A. Binelli & A. Provini. 2011. Assessment of the Potential Cyto-Genotoxicity of the Nonsteroidal Anti-Inflammatory Drug (NSAID) Diclofenac on the Zebra Mussel (*Dreissena polymorpha*). *Water Air Soil Pollut.* 217(1–4):589–601.
- Parolini, M., A. Binelli & A. Provini. 2011. Chronic Effects Induced by Ibuprofen on the Freshwater Bivalve *Dreissena polymorpha*. *Ecotoxicol. Environ. Saf.* 74(6):1586–1594.
- Parolini, M., B. Quinn, A. Binelli & A. Provini. 2011. Cytotoxicity Assessment of Four Pharmaceutical Compounds on the Zebra Mussel (*Dreissena polymorpha*) Haemocytes, Gill and Digestive Gland Primary Cell Cultures. *Chemosphere* 84(1):91–100.
- Pathy, D. A. & G. L. Mackie. 1993. Comparative Shell Morphology of *Dreissena polymorpha*, *Mytilopsis leucophaea*, and the Quagga Mussel (Bivalvia, Dreissenidae) in North America. *Can. J. Zool.* 71(5):1012–1023.
- Patterson, J. C. & P. V. Lindeman. 2009. Effects of Zebra and Quagga Mussel (*Dreissena* spp.) Invasion on the Feeding Habits of *Sternotherus odoratus* (Stinkpot) on Presque Isle, Northwestern Pennsylvania. *Northeastern Naturalist* 16(3):365–374.
- Patterson, M. A., B. C. Parker & R. J. Neves. 1997. Effects of Quarantine Times on Glycogen Levels of Native Freshwater Mussels (Bivalvia: Unionidae) Previously Infested with Zebra Mussels. *Am. Malacol. Bull.* 14(1):75–79.
- Patterson, M. W. R., J. J. H. Ciborowski & D. R. Barton. 2005. The Distribution and Abundance of *Dreissena* Species (Dreissenidae) in Lake Erie, 2002. *J. Great Lakes Res.* 31:223–237.
- Paukstis, G. L., F. J. Janzen & J. K. Tucker. 1996. Response of Aerially-Exposed Zebra Mussels (*Dreissena polymorpha*) to Subfreezing Temperatures. *J. Freshw. Ecol.* 11(4):513–519.
- Paukstis, G. L., F. J. Janzen & J. K. Tucker. 1997. Comparative Survivorship of Sympatric Native North American Gastropods (*Anguispira*, *Mesodon*, *Physella*, *Pleurocera*) and an Introduced Bivalve (*Dreissena*) Exposed to Freezing Temperatures. *Veliger* 40(1):67–70.
- Paukstis, G. L., J. K. Tucker, A. M. Bronikowski & F. J. Janzen. 1999. Survivorship of Aerially-Exposed Zebra Mussels (*Dreissena polymorpha*) Under Laboratory Conditions. *J. Freshw. Ecol.* 14(4):511–517.
- Pavlica, M., G. I. V. Klobucar, N. Mojas, R. Erben & D. Papes. 2001. Detection of DNA Damage in Haemocytes of Zebra Mussel Using Comet Assay. *Mutat. Res. Genet. Toxicol. Environ. Mutagen.* 490(2):209–214.
- Pavlica, M., G. I. V. Klobucar, N. Vetma, R. Erben & D. Papes. 2000. Detection of Micronuclei in Haemocytes of Zebra Mussel and Great Ramshorn Snail Exposed to Pentachlorophenol. *Mutat. Res. Genet. Toxicol. Environ. Mutagen.* 465(1–2):145–150.
- Pavlova, V. V. 2007. Morphological Variability of Dreissenid Mussels from the Rybinsk Reservoir in Coexistence and Separate Occurrence. *Ruthenica* 17(1–2):73–77.
- Payne, B. S., J. Lei, A. C. Miller & E. D. Hubertz. 1995. Adaptive Variation in Palp and Gill Size of the Zebra Mussel (*Dreissena polymorpha*) and Asian Clam (*Corbicula fluminea*). *Can. J. Fish. Aquat. Sci.* 52(5):1130–1134.
- Peck, M. R., P. Labadie, C. Minier & E. M. Hill. 2007. Profiles of Environmental and Endogenous Estrogens in the Zebra Mussel *Dreissena polymorpha*. *Chemosphere* 69(1):1–8.
- Pelley, J. 2003. Multiple Stressors Behind Lake Erie Decline. *Environ. Sci. Technol.* 37:383A–384A.
- Pelley, J. 2005. Zebra Mussels Reroute Contaminant Flow Through Food Chain. *Environ. Sci. Technol.* 39(21):432A–433A.
- Peribanez, M. A., M. L. Elrío, M. J. Gracia, D. F. De Luco, J. A. Castillo, J. Lucientes & I. Cia. 2006. *Phyllodistomum folium* (Trematoda: Gorgoderidae) Infecting Zebra Mussels (*Dreissena polymorpha*) in the Ebro River, Spain. *Parasitol. Int.* 55(2):143–145.
- Perret, M. C., D. Gerdeau & J. L. Riviere. 1996. Use of Esterase Activities of the Zebra Mussel (*Dreissena polymorpha* Pallas) as a Biomarker of Organophosphate and Carbamate Pesticides Contamination. *Environ. Toxicol. Water Qual.* 11(4):307–312.
- Perry, W. L., D. M. Lodge & G. A. Lamberti. 1997. Impact of Crayfish Predation on Exotic Zebra Mussels and Native Invertebrates in a Lake-Outlet Stream. *Can. J. Fish. Aquat. Sci.* 54(1):120–125.
- Perry, W. L., D. M. Lodge & G. A. Lamberti. 2000. Crayfish (*Orconectes rusticus*) Impacts on Zebra Mussel (*Dreissena polymorpha*) Recruitment, Other Macroinvertebrates and Algal Biomass in a Lake-Outlet Stream. *Am. Midl. Nat.* 144(2):308–316.
- Petkeviciute, R., G. Staneviciute & D. P. Molloy. 2003. Chromosome Analysis of *Phyllodistomum folium* (Trematoda, Gorgoderidae) Infecting Three European Populations of Zebra Mussels. *Parasitol. Res.* 90(5):377–382.
- Petrie, S. A. & R. W. Knapton. 1999. Rapid Increase and Subsequent Decline of Zebra and Quagga Mussels in Long Point Bay, Lake Erie: Possible Influence of Waterfowl Predation. *J. Great Lakes Res.* 25(4):772–782.
- Peyer, S. M., J. C. Hermanson & C. E. Lee. 2010. Developmental Plasticity of Shell Morphology of Quagga Mussels from Shallow and Deep-Water Habitats of the Great Lakes. *J. Exp. Biol.* 213(15):2602–2609.
- Peyer, S. M., A. J. McCarthy & C. E. Lee. 2009. Zebra Mussels Anchor Byssal Threads Faster and Tighter Than Quagga Mussels in Flow. *J. Exp. Biol.* 212(13):2026–2035.
- Piesik, Z., R. Zielinski, M. Wachowiak-Zielinska, T. Ochman, M. Soroka & K. Polok. 1998. Distribution, Genetic Structure and Ecological Role of *Dreissena polymorpha* (Pallas) in Lake Dabie, Western Pomerania, Poland. *Baltic Coastal Zone* 2:25–45.
- Pigg, J., R. Gibbs & G. Cottam. 1997. An Outbreak of Zebra Mussel, *Dreissena Polymorpha* (Pallas), in Oklahoma Waters. *Proc. Oklahoma Acad. Sci.* 77:124.

- Pillsbury, R. W., R. L. Lowe, Y. D. Pan & J. L. Greenwood. 2002. Changes in the Benthic Algal Community and Nutrient Limitation in Saginaw Bay, Lake Huron, During the Invasion of the Zebra Mussel (*Dreissena polymorpha*). *J. North Am. Benthol. Soc.* 21(2):238–252.
- Pimental, D., L. Lach, R. Zuniga & D. Morrison. 2000. Environmental and Economic Costs of Nonindigenous Species in the United States. *Bioscience* 50:53–65.
- Piotrowski, S. 1999. Evaluation of Changes of Selected Metric Features of the *Dreissena polymorpha* (Pallas, 1771) Shells Between Biocenosis, Necrocenosis and Liptocenosis in the Polymictic Dabie Lake (NW Poland). *Przegląd Geologiczny* 47(3):241–247.
- Piotrowski, S. 2006. Correlation of Concentration of Heavy Metals and Organic Carbon in Shells of Freshwater Molluscs *Lymnaea peregra* (Muller, 1774), *Lymnaea stagnalis* (L.) and *Dreissena polymorpha* (Pallas, 1771) with Their Size. *Przegląd Geologiczny* 54(6):501–508.
- Piotrowski, S. & T. Ochman. 1993. Chemical Composition of *Dreissena polymorpha* (Pallas, 1771) Shells in the Lake Dabie (Western Pomerania). *Folia Malacol. Bull.* 5:119–130.
- Pires, L. M. D., B. M. Bontes, E. Van Donk & B. W. Ibelings. 2005. Grazing on Colonial and Filamentous, Toxic and Non-Toxic Cyanobacteria by the Zebra Mussel *Dreissena polymorpha*. *J. Plankton Res.* 27(4):331–339.
- Pires, L. M. D., B. W. Ibelings, M. Brehm & E. Van Donk. 2005. Comparing Grazing on Lake Seston by *Dreissena* and *Daphnia*: Lessons for Biomanipulation. *Microb. Ecol.* 50(2):242–252.
- Pires, L. M. D., R. R. Jonker, E. Van Donk & H. J. Laanbroek. 2004. Selective Grazing by Adults and Larvae of the Zebra Mussel (*Dreissena polymorpha*): Application of Flow Cytometry to Natural Seston. *Freshw. Biol.* 49(1):116–126.
- Pires, L. M. D., K. M. Karlsson, J. A. O. Meriluoto, E. Kardinaal, P. M. Visser, K. Siewertsen, E. Van Donk & B. W. Ibelings. 2004. Assimilation and Depuration of Microcystin-LR by the Zebra Mussel, *Dreissena polymorpha*. *Aquat. Toxicol.* 69(4):385–396.
- Pires, L. M. D., R. Kusserow & E. Van Donk. 2003. Influence of Toxic and Non-Toxic Phytoplankton on Feeding and Survival of *Dreissena polymorpha* (Pallas) Larvae. *Hydrobiologia* 491(1–3):193–200.
- Pires, L. M. D. & E. Van Donk. 2002. Comparing Grazing by *Dreissena polymorpha* on Phytoplankton in the Presence of Toxic and Non-Toxic Cyanobacteria. *Freshw. Biol.* 47(10):1855–1865.
- Pollux, B., D. Minchin, G. Van der Velde, T. Van Alen, S. Y. Moon-Van der Staay & J. Hackstein. 2003. Zebra Mussels (*Dreissena polymorpha*) in Ireland, AFLP-Fingerprinting and Boat Traffic Both Indicate an Origin from Britain. *Freshw. Biol.* 48(6):1127–1139.
- Pontius, R. A. & D. A. Culver. 2001. Estimating Zebra Mussel Impact on Pelagic Food Webs: The Role of Size-Specific Grazing Rates. *Int. Vereinigung Theoret. Angewandte Limnol. Verhandlungen* 27(5):3025–3028.
- Popa, O. P. & L. O. Popa. 2006. *Sinanodonta woodiana* (Lea, 1834), *Corbicula fluminea* (O. F. Muller, 1774), *Dreissena bugensis* (Andrusov, 1897) (Mollusca: Bivalvia): Alien Invasive Species in Romanian Fauna. *Travaux Mus. Natl. Histoire Naturelle Grigore Antipa* 49:7–12.
- Popa, O. P. & L. O. Popa. 2006. The Most Westward European Occurrence Point for *Dreissena bugensis* (Andrusov 1897). *Malacol. Bohemoslovaca* 5:3–5.
- Popova, L. B. & G. I. Biochino. 2001. To the Occurrence and Parasite Fauna of the Zebra Mussel *Dreissena bugensis* in the Rybinsk Reservoir. *Parazitologiya (St. Petersburg)* 35(4):356–359.
- Popova, L. B. & L. V. Voronin. 1999. On the Finding of a Fungus of the Genus *Acremonium* in *Dreissena polymorpha* in Ivankovo Reservoir. *Parazitologiya (St. Petersburg)* 33(2):163–165.
- Porter, A. E. & J. E. Marsden. 2008. Adult Zebra Mussels (*Dreissena polymorpha*) Avoid Attachment to Mesh Materials. *Northeastern Naturalist* 15(4):589–594.
- Pothoven, S. A. & C. P. Madenjian. 2008. Changes in Consumption by Alewives and Lake Whitefish After Dreissenid Mussel Invasions in Lakes Michigan and Huron. *North Am. J. Fish. Manage.* 28(1):308–320.
- Pothoven, S. A., T. F. Nalepa, P. J. Schneeberger & S. B. Brandt. 2001. Changes in Diet and Body Condition of Lake Whitefish in Southern Lake Michigan Associated with Changes in Benthos. *North Am. J. Fish. Manage.* 21:876–883.
- Pozdeev, I. V. 2011. The Limits of *Dreissena polymorpha* (Pallas) Range in the Kama River Basin. *Inland Water Biol.* 4(1):97–100.
- Prasada, R. D. G. V. & M. A. Q. Khan. 2000. Zebra Mussels: Enhancement of Copper Toxicity by High Temperature and Its Relationship with Respiration and Metabolism. *Water Environ. Res.* 72(2):175–177.
- Prejs, A., K. Lewandowski & A. Stanczykowska. 1990. Size-Selective Predation by Roach (*Rutilus rutilus*) on Zebra Mussel (*Dreissena polymorpha*): Field Studies. *Oecologia* 83(3):378–384.
- Protasov, A. A. 1998. Shell Color Intensity as a Phenotypic Characteristic of Populations of *Dreissena polymorpha* (Pall.) (Bivalvia, Mollusca). *Russ. J. Ecol.* 29(6):431–434.
- Protasov, A. A. 1998. Shell Color Intensity as a Phenotypic Characteristic of Populations of *Dreissena polymorpha* (Pallas) (Bivalvia, Mollusca). *Ekologiya (Moscow)* 6:479–482.
- Protasov, A. A. 2000. The Variability of Characteristics of *Dreissena polymorpha* Shell Pattern, Sculpture, and Form in Europe and North America. *Vestnik Zool.* 34(6):57–64.
- Protasov, A. A. 2002. The Phenotypic Diversity of *Dreissena polymorpha* Population in Lake System Used as Cooling Water Bodies of Thermal Power Plants. *Vestnik Zool.* 36(4):23–33.
- Protasov, A. A. & S. A. Afanasev. 1990. Main Types of *Dreissena* Associations in Periphyton. *Gidrobiol. Zh.* 26(4):15–22.
- Protasov, A. A. & E. V. Gorpinchuk. 1997. About the Phenotypical Structure of *Dreissena polymorpha* (Pall.) Populations. *Gidrobiol. Zh.* 33(2): 21–32.
- Protasov, A. A. & O. O. Sinitsyna. 2000. Biotopic Variation and Phenogeography of *Dreissena polymorpha* (Pallas). *Russ. J. Ecol.* 31(6):415–421.
- Protasov, A. A. & O. O. Sinitsyna. 2000. Biotopic Variation and Phenogeography of *Dreissena polymorpha* (Pallas). *Ekologiya (Moscow)* 6: 449–455.
- Protasov, A. A. & O. O. Sinitsyna. 2000. Phenotypic Differentiation of *Dreissena* Subpopulation Groups Under Conditions of Heterogenic Water System. *Gidrobiol. Zh.* 36(3):3–14.
- Protasov, A. A. & O. O. Sinitsyna. 2002. Structure of Populations of Mollusk *Dreissena polymorpha* in Lacustrine Basin-Cooler System of Electric Power Station. *Gidrobiol. Zh.* 38(3):11–23.
- Provini, A., A. Binelli & S. Galassi. 1997. Role of *Dreissena polymorpha* in Nutrient and PCB Cycles in the Western Basin of Lake Como. *Documenta Istituto Ital. Idrobiologia* 61:117–133.
- Pryanichnikova, E. G., A. V. Tyutin & G. K. Shcherbina. 2010. Comparative Analysis of the Structure and Fauna of Endosymbionts of Communities of Two Dreissenid Species (Mollusca, Dreissenidae) in the Upper Volga Reservoirs. *Inland Water Biol.* 4(2):203–210.

- Putchakayala, S. M. & J. L. Ram. 2000. Toxic and Excitatory Effects of the Molluscicide Metaldehyde on the Biofouling Bivalve *Dreissena polymorpha* Pallas. *Pest Manage. Sci.* 56(1):39–42.
- Quaglia, F., L. Lattuada, R. Bacchetta, P. Mantecca & G. Vailati. 2007. Biomonitoring of Histopathological Conditions of *Dreissena polymorpha* in Some Subalpine Lakes. *Riv. Idrobiol.* 43:85–95.
- Quaglia, F., L. Lattuada, P. Mantecca & R. Bacchetta. 2008. Zebra Mussels in Italy: Where Do They Come From? *Biol. Invasions* 10(4): 555–560.
- Qualls, T. M., D. M. Dolan, T. Reed, M. E. Zorn & J. Kennedy. 2007. Analysis of the Impacts of the Zebra Mussel, *Dreissena polymorpha*, on Nutrients, Water Clarity, and the Chlorophyll–Phosphorus Relationship in Lower Green Bay. *J. Great Lakes Res.* 33:617–626.
- Quinn, B., M. J. Costello, G. Dorange, J. G. Wilson & C. Mothersill. 2009. Development of an *in Vitro* Culture Method for Cells and Tissues from the Zebra Mussel (*Dreissena polymorpha*). *Cytotechnology* 59(2):121–134.
- Quinn, B., F. Gagne, C. Blaise, M. J. Costello, J. G. Wilson & C. Mothersill. 2006. Evaluation of the Lethal and Sub-Lethal Toxicity and Potential Endocrine Disrupting Effect of Nonylphenol on the Zebra Mussel (*Dreissena polymorpha*). *Comp. Biochem. Physiol. C Toxicol. Pharmacol.* 142(1–2):118–127.
- Quinn, B., F. Gagne, M. Costello, C. McKenzie, J. Wilson & C. Mothersill. 2004. The Endocrine Disrupting Effect of Municipal Effluent on the Zebra Mussel (*Dreissena polymorpha*). *Aquat. Toxicol.* 66(3):279–292.
- Quinn, B., W. Schmidt, K. O'Rourke & R. Hernan. 2011. Effects of the Pharmaceuticals Gemfibrozil and Diclofenac on Biomarker Expression in the Zebra Mussel (*Dreissena polymorpha*) and Their Comparison with Standardised Toxicity Tests. *Chemosphere* 84(5):657–663.
- Radziejewska, T., C. Fenske, B. Wawrzyniak-Wydrowska, P. Riel, A. Wozniczka & P. Gruszka. 2009. The Zebra Mussel (*Dreissena polymorpha*) and the Benthic Community in a Coastal Baltic Lagoon: Another Example of Enhancement? *Mar. Ecol. Evol. Perspect.* 30:138–150.
- Rahnama, R., A. Javanshir & A. Mashinchian. 2010. The Effects of Lead Bioaccumulation on Filtration Rate of Zebra Mussels (*Dreissena polymorpha*) from Anzali Wetland–Caspian Sea. *Toxicol. Environ. Chem.* 92(1):107–114.
- Raikow, D. F. 2004. Food Web Interactions Between Larval Bluegill (*Lepomis macrochirus*) and Exotic Zebra Mussels (*Dreissena polymorpha*). *Can. J. Fish. Aquat. Sci.* 61(3):497–504.
- Raikow, D. F., O. Sarnelle, A. E. Wilson & S. K. Hamilton. 2004. Dominance of the Noxious Cyanobacterium *Microcystis aeruginosa* in Low-Nutrient Lakes Is Associated with Exotic Zebra Mussels. *Limnol. Oceanogr.* 49(2):482–487.
- Rajagopal, S., B. J. A. Pollux, J. L. Peters, G. Cremers, S. Y. Moo-van der Stay, T. van Alen, J. Eygensteyn, A. van Hoek, A. Palau, A. bij de Vaate & G. van der Velde. 2009. Origin of Spanish Invasion by the Zebra Mussel, *Dreissena polymorpha* (Pallas, 1771) Revealed by Amplified Fragment Length Polymorphism (AFLP) Fingerprinting. *Biol. Invasions* 11(9):2147–2159.
- Rajagopal, S., G. Van der Velde & H. A. Jenner. 2002. Does Status of Attachment Influence Survival Time of Zebra Mussel, *Dreissena polymorpha*, Exposed to Chlorination? *Environ. Toxicol. Chem.* 21(2):342–346.
- Rajagopal, S., G. Van der Velde & H. A. Jenner. 2002. Effects of Low-Level Chlorination on Zebra Mussel, *Dreissena polymorpha*. *Water Res.* 36(12):3029–3034.
- Rajagopal, S., G. Van der Velde, H. A. Jenner, M. Van der Gaag & A. J. Kempers. 1996. Effects of Temperature, Salinity and Agitation on Byssus Thread Formation of Zebra Mussel *Dreissena polymorpha*. *Neth. J. Aquat. Ecol.* 30(2–3):187–195.
- Rajagopal, S., G. Van der Velde, M. Van der Gaag & H. A. Jenner. 2002. Sublethal Responses of Zebra Mussel, *Dreissena polymorpha* to Low-Level Chlorination: An Experimental Study. *Biofouling* 18(2):95–104.
- Ram, J. L., F. Baidoun, M. L. Ram & R. P. Croll. 1997. Cholinergic and Peptidergic Regulation of Siphon/Mantle Function in the Zebra Mussel, *Dreissena polymorpha*. *Comp. Biochem. Physiol. C Toxicol. Pharmacol.* 117(3):275–282.
- Ram, J. L., G. W. Crawford, J. U. Walker, J. J. Mojares, N. Patel, P. P. Fong & K. Kyojuka. 1993. Spawning in the Zebra Mussel (*Dreissena polymorpha*): Activation by Internal or External Application of Serotonin. *J. Exp. Zool.* 265(5):587–598.
- Ram, J. L., P. P. Fong, R. P. Croll, S. J. Nichols & D. Wall. 1992. The Zebra Mussel (*Dreissena polymorpha*), a New Pest in North America: Reproductive Mechanisms as Possible Targets of Control Strategies. *Invertebr. Reprod. Dev.* 22(1–3):77–86.
- Ram, J. L., P. P. Fong & D. W. Garton. 1996. Physiological Aspects of Zebra Mussel Reproduction: Maturation, Spawning and Fertilization. *Am. Zool.* 36(3):326–338.
- Ram, J. L., P. P. Fong & K. Kyojuka. 1996. Serotonergic Mechanisms Mediating Spawning and Oocyte Maturation in the Zebra Mussel, *Dreissena polymorpha*. *Invertebr. Reprod. Dev.* 30(1–3):29–37.
- Ram, J. L. & R. F. McMahon. 1996. The Biology, Ecology, and Physiology of Zebra Mussels: Introduction. *Am. Zool.* 36(3):239–243.
- Ram, J. L., D. Moore, S. Putchakayala, A. A. Paredes, D. Ma & R. P. Croll. 1999. Serotonergic Responses of the Siphons and Adjacent Mantle Tissue of the Zebra Mussel, *Dreissena polymorpha*. *Comp. Biochem. Physiol. C Pharmacol. Toxicol. Endocrinol.* 124(2):211–220.
- Ram, J. L. & S. M. Palazzolo. 2008. Globalization of an Aquatic Pest: Economic Costs, Ecological Outcomes, and Positive Applications of Zebra Mussel Invasions and Expansions. *Geography Compass* 2:1755–1776.
- Ram, J. L., V. Shukla & K. N. King. 2004. Zebra Mussels at the Freshwater/Sea Interface: Ionic and Osmotic Challenges to Oocyte Integrity. *Invertebr. Reprod. Dev.* 45(1):83–89.
- Ram, J. L. & J. U. Walker. 1993. Effects of Deionized Water on Viability of the Zebra Mussel, *Dreissena polymorpha*. *Comp. Biochem. Physiol. C Pharmacol. Toxicol. Endocrinol.* 105(3):409–414.
- Ramcharan, C. W., D. K. Padilla & S. I. Dodson. 1992. A Multivariate Model for Predicting Population Fluctuations of *Dreissena polymorpha* in North American Lakes. *Can. J. Fish. Aquat. Sci.* 49(1):150–158.
- Ramcharan, C. W., D. K. Padilla & S. I. Dodson. 1992. Models to Predict Potential Occurrence and Density of the Zebra Mussel, *Dreissena polymorpha*. *Can. J. Fish. Aquat. Sci.* 49(12):2611–2620.
- Ranschaert, B. & D. Maxson. 1995. Unique Alloys Prevent Zebra Mussel Attachment. *Power Eng.* 99(10):41–43.
- Rao, K. S. & M. Balaji. 1991. Effect of Copper on Oxygen Consumption on the Marine Fouling Dreissenid Bivalve *Mytilopsis sallei* Recluz. *Indian J. Comp. Anim. Physiol.* 9(1):19–22.
- Rao, D. & M. Khan. 2000. Zebra Mussels: Enhancement of Copper Toxicity by High Temperature and Its Relationship with Respiration and Metabolism. *Water Environ. Res.* 72(2):175–178.
- Ratti, C. & D. R. Barton. 2003. Decline in the Diversity of Benthic Invertebrates in the Wave-Zone of Eastern Lake Erie, 1974–2001. *J. Great Lakes Res.* 29(4):608–615.
- Ray, W. J. & L. D. Corkum. 1997. Predation of Zebra Mussels by Round Gobies, *Neogobius melanostomus*. *Environ. Biol. Fishes* 50(3):267–273.

- Reed, D. P., J. J. Herod & J. B. Sickel. 1998. Variations in Zebra Mussel (*Dreissena polymorpha*) Veliger Densities Throughout 1996 at Dam 52 on the Lower Ohio River. *J. Freshw. Ecol.* 13(3):255–261.
- Reed, T., S. J. Wielgus, A. K. Barnes, J. J. Schiefelbein & A. L. Fettes. 2004. Refugia and Local Controls: Benthic Invertebrate Dynamics in Lower Green Bay, Lake Michigan Following Zebra Mussel Invasion. *J. Great Lakes Res.* 30(3):390–396.
- Reed-Andersen, T., S. R. Carpenter, D. K. Padilla & R. C. Lathrop. 2000. Predicted Impact of Zebra Mussel (*Dreissena polymorpha*) Invasion on Water Clarity in Lake Mendota. *Can. J. Fish. Aquat. Sci.* 57(8):1617–1626.
- Reeders, H. H. 1990. The Zebra Mussel *Dreissena polymorpha* as a Biofilter for Polluted Waters. *Levende Natuur* 91(4):119–125.
- Reeders, H. H. & A. B. Bij de Vaate. 1990. Zebra Mussels (*Dreissena polymorpha*): A New Perspective for Water-Quality Management. *Hydrobiologia* 200:437–450.
- Reeders, H. H. & A. Bij de Vaate. 1992. Bioprocessing of Polluted Suspended Matter from the Water Column by the Zebra Mussel (*Dreissena polymorpha* Pallas). *Hydrobiologia* 239(1):53–63.
- Reeders, H. H., A. B. Bij de Vaate & F. J. Slim. 1989. The Filtration-Rate of *Dreissena polymorpha* (Bivalvia) in 3 Dutch Lakes with Reference to Biological Water-Quality Management. *Freshw. Biol.* 22(1):133–141.
- Regoli, L., H. M. Chan & Y. De Lafontaine. 1999. Organotins in Zebra Mussels (*Dreissena polymorpha*) from the Saint Lawrence River. *J. Great Lakes Res.* 25(4):839–846.
- Regoli, L., H. M. Chan, Y. De Lafontaine & I. Mikaelian. 2001. Organotins in Zebra Mussels (*Dreissena polymorpha*) and Sediments of the Quebec City Harbour Area of the St. Lawrence River. *Aquat. Toxicol.* 53(2):115–126.
- Rehmann, C. R., J. A. Stoeckel & D. W. Schneider. 2003. Effect of Turbulence on the Mortality of Zebra Mussel Veligers. *Can. J. Zool.* 81(6):1063–1069.
- Reichhoff, J. H. 2002. Biometrical Data on a Gravel Pit Lake Population of the Zebra Mussel *Dreissena polymorpha* in a Marginal Occurrence of Its Area. *Hessische Faunistische Briefe* 21(2–3):48–52.
- Reid, D. F. & M. I. Orlova. 2002. Geological and Evolutionary Underpinnings for the Success of Ponto-Caspian Species Invasions in the Baltic Sea and North American Great Lakes. *Can. J. Fish. Aquat. Sci.* 59:1144–1158.
- Reid, N. J., M. A. Anderson & W. D. Taylor. 2010. Distribution of Quagga Mussel Veligers, *Dreissena bugensis*, in the Reservoirs of the Colorado River Aqueduct. *Lake Reservoir Manage.* 26:328–355.
- Reincke, H. 1992. Biological Effect Monitoring in the River Elbe Using the Zebra Mussel *Dreissena polymorpha*. *Limnol. Aktuell* 4:185–195.
- Renaud, C. B., A. L. Martel, K. L. E. Kaiser & M. E. Comba. 2004. A Comparison of Organochlorine Contaminant Levels in the Zebra Mussel, *Dreissena polymorpha*, Versus Its Unionid Attachment, *Elliptio complanata*, in the Rideau River, Ontario. *Water Qual. Res. J. Can.* 39(2):83–92.
- Reynolds, J. D. & R. Donohoe. 2001. Crayfish Predation Experiments on the Introduced Zebra Mussel, *Dreissena polymorpha*, in Ireland, and Their Potential for Biocontrol. *Bull. Fr. Peche Piscicult.* 361:669–681.
- Ricciardi, A. 1994. Black Carp and Zebra Mussels Debate Continues. *Fisheries (Bethesda, Md.)* 19(9):34.
- Ricciardi, A. 1994. Occurrence of Chironomid Larvae (*Paratanytarsus* spp.) as Commensals of Dreissenid Mussels (*Dreissena polymorpha* and *D. bugensis*). *Can. J. Zool.* 72(6):1159–1162.
- Ricciardi, A. 2003. Predicting the Impacts of an Introduced Species from Its Invasion History: An Empirical Approach Applied to Zebra Mussel Invasions. *Freshw. Biol.* 48(6):972–981.
- Ricciardi, A., R. J. Neves & J. B. Rasmussen. 1998. Impending Extinctions of North American Freshwater Mussels (Unionoida) Following the Zebra Mussel (*Dreissena polymorpha*) Invasion. *J. Anim. Ecol.* 67(4):613–619.
- Ricciardi, A. & H. M. Reising. 2000. Comment on “Zebra Mussel Destruction by a Lake Michigan Sponge: Populations, *in Vivo* P-31 Nuclear Magnetic Resonance, and Phospholipid Profiling.” *Environ. Sci. Technol.* 34(7):1379–1380.
- Ricciardi, A., R. Serrouya & F. G. Whoriskey. 1995. Aerial Exposure Tolerance of Zebra and Quagga Mussels (Bivalvia, Dreissenidae): Implications for Overland Dispersal. *Can. J. Fish. Aquat. Sci.* 52(3):470–477.
- Ricciardi, A., F. L. Snyder, D. O. Kelch & H. M. Reising. 1995. Lethal and Sublethal Effects of Sponge Overgrowth on Introduced Dreissenid Mussels in the Great Lakes St Lawrence River System. *Can. J. Fish. Aquat. Sci.* 52(12):2695–2703.
- Ricciardi, A. & F. G. Whoriskey. 2004. Exotic Species Replacement: Shifting Dominance of Dreissenid Mussels in the Soulanges Canal, Upper St. Lawrence River, Canada. *J. North Am. Benthol. Soc.* 23(3):507–514.
- Ricciardi, A., F. G. Whoriskey & J. B. Rasmussen. 1995. Predicting the Intensity and Impact of *Dreissena* Infestation on Native Unionid Bivalves from *Dreissena* Field Density. *Can. J. Fish. Aquat. Sci.* 52(7):1449–1461.
- Ricciardi, A., F. G. Whoriskey & J. B. Rasmussen. 1996. Impact of the *Dreissena* Invasion on Native Unionid Bivalves in the Upper St Lawrence River. *Can. J. Fish. Aquat. Sci.* 53(6):1434–1444.
- Ricciardi, A., F. G. Whoriskey & J. B. Rasmussen. 1997. The Role of the Zebra Mussel (*Dreissena polymorpha*) in Structuring Macroinvertebrate Communities on Hard Substrata. *Can. J. Fish. Aquat. Sci.* 54(11):2596–2608.
- Ricciardi, F., A. Binelli & A. Provini. 2006. Use of Two Biomarkers (CYP450 and Acetylcholinesterase) in Zebra Mussel for the Biomonitoring of Lake Maggiore (Northern Italy). *Ecotoxicol. Environ. Saf.* 63(3):406–412.
- Richardson, W. B. & L. A. Bartsch. 1997. Effects of Zebra Mussels on Food Webs: Interactions with Juvenile Bluegill and Water Residence Time. *Hydrobiologia* 354:141–150.
- Richman, L. & K. Somers. 2005. Can We Use Zebra and Quagga Mussels for Biomonitoring Contaminants in the Niagara River? *Water Air Soil Pollut.* 167(1–4):155–178.
- Richman, L. A. & K. Somers. 2010. Monitoring Metal and Persistent Organic Contaminant Trends Through Time Using Quagga Mussels (*Dreissena bugensis*) Collected from the Niagara River. *J. Great Lakes Res.* 36(1):28–36.
- Rittenhouse, R. C. 1990. Industry Zeros in on Zebra Mussels. *Power Eng.* 94(10):15.
- Rittenhouse, R. C. 1991. CAA, Zebra Mussels Still Are the Hottest Topics. *Power Eng.* 95(6):14.
- Rittenhouse, R. C. 1993. Information Explosion: This Industry’s Life Blood. *Power Eng.* 97(7):8.
- Rittenhouse, R. C. 1994. Zebra Mussels: There’s Good News and Bad News. *Power Eng.* 98(5):12.
- Ritterbusch-Nauwerck, B. 1991. The Coincidence Between the Shape of the Pharyngeal Bones of *Vimba elongata* (Valenciennes) (Pisces, Cyprinidae) and of Its Prey *Dreissena polymorpha* (Pallas) (Bivalvia, Dreissenidae). *J. Fish Biol.* 38(2):325–326.
- Ritterbusch-Nauwerck, B. 2000. How *Vimba elongata* (Valenciennes) (Cyprinidae) Feeds on *Dreissena polymorpha* (Pallas) (Bivalvia): Observations of Rhythm in Prey-Handling. *Zeitschrift Fischkunde* 5(2):91–96.

- Riva, C., A. Binelli, D. Cogni & A. Provini. 2007. Evaluation of DNA Damage Induced by Decabromodiphenyl Ether (BDE-209) in Hemocytes of *Dreissena polymorpha* Using the Comet and Micronucleus Assays. *Environ. Mol. Mutagen.* 48(9):735–743.
- Riva, C., A. Binelli, M. Parolini & A. Provini. 2010. The Case of Pollution of Lake Maggiore: A 12-Year Study with the Bioindicator Mussel *Dreissena polymorpha*. *Water Air Soil Pollut.* 210(1–4):75–86.
- Riva, C., A. Binelli & A. Provini. 2008. Evaluation of Several Priority Pollutants in Zebra Mussels (*Dreissena polymorpha*) in the Largest Italian Subalpine Lakes. *Environ. Pollut.* 151(3):652–662.
- Riva, C., A. Binelli, F. Rusconi, G. Colombo, A. Pedriali, R. Zippel & A. Provini. 2011. A Proteomic Study Using Zebra Mussels (*D. polymorpha*) Exposed to Benzo(alpha)pyrene: The Role of Gender and Exposure Concentrations. *Aquat. Toxicol.* 104(1–2):14–22.
- Riva, C., C. Porte, A. Binelli & A. Provini. 2010. Evaluation of 4-Nonylphenol *In Vivo* Exposure in *Dreissena polymorpha*: Bioaccumulation, Steroid Levels and Oxidative Stress. *Comp. Biochem. Physiol. C Toxicol. Pharmacol.* 152(2):175–181.
- Rizhinashvili, A. L. & M. I. Orlova. 2005. The Use of Morphometrical Distances in Systematics of the Genus *Dreissena* van Beneden, 1835 (Bivalvia:Dreissenidae). *Ruthenica* 14(2):161–168.
- Roberts, L. 1990. Zebra Mussel Invasion Threatens United States Waters. *Science* 249(4975):1370–1372.
- Robertson, A. & G. G. Lauenstein. 1998. Distribution of Chlorinated Organic Contaminants in Dreissenid Mussels Along the Southern Shores of the Great Lakes. *J. Great Lakes Res.* 24(3):608–619.
- Rockwell, D. C., G. J. Warren, P. E. Bertram, D. K. Salisbury & N. M. Burns. 2005. The US EPA Lake Erie Indicators Monitoring Program 1983–2002: Trends in Phosphorus, Silica, and Chlorophyll *a* in the Central Basin. *J. Great Lakes Res.* 31:23–34.
- Roditi, H. A., N. F. Caraco, J. J. Cole & D. L. Strayer. 1996. Filtration of Hudson River Water by the Zebra Mussel (*Dreissena polymorpha*). *Estuaries* 19(4):824–832.
- Roditi, H. A. & N. S. Fisher. 1999. Rates and Routes of Trace Element Uptake in Zebra Mussels. *Limnol. Oceanogr.* 44(7):1730–1749.
- Roditi, H. A., N. S. Fisher & S. A. Sanudo-Wilhelmy. 2000. Field Testing a Metal Bioaccumulation Model for Zebra Mussels. *Environ. Sci. Technol.* 34(13):2817–2825.
- Roditi, H. A., N. S. Fisher & S. A. Sanudo-Wilhelmy. 2000. Uptake of Dissolved Organic Carbon and Trace Elements by Zebra Mussels. *Nature* 407(6800):78–80.
- Roditi, H. A., D. L. Strayer & S. E. G. Findlay. 1997. Characteristics of Zebra Mussel (*Dreissena polymorpha*) Biodeposits in a Tidal Freshwater Estuary. *Arch. Hydrobiol.* 140(2):207–219.
- Roe, S. L. & H. J. MacIsaac. 1997. Deepwater Population Structure and Reproductive State of Quagga Mussels (*Dreissena bugensis*) in Lake Erie. *Can. J. Fish. Aquat. Sci.* 54(10):2428–2433.
- Roe, S. L. & H. J. MacIsaac. 1998. Temporal Variation of Organochlorine Contaminants in the Zebra Mussel *Dreissena polymorpha* in Lake Erie. *Aquat. Toxicol.* 41(1–2):125–140.
- Roncaglio, P. & G. Borsani. 2005. Analysis of the Population Structure of *Dreissena polymorpha* (Pallas, 1771) in the Sebino Lake (Lombardy, Northern Italy). *Natura Bresciana* 34:49–53.
- Roper, J. M., D. S. Cherry, J. W. Simmers & H. E. Tatem. 1996. Bioaccumulation of Toxicants in the Zebra Mussel, *Dreissena polymorpha*, at the Times Beach Confined Disposal Facility, Buffalo, New York. *Environ. Pollut.* 94(2):117.
- Roper, J. M., D. S. Cherry, J. W. Simmers & H. E. Tatem. 1997. Bioaccumulation of PAHs in the Zebra Mussel at Times Beach, Buffalo, New York. *Environ. Monit. Assess.* 46(3):267–277.
- Roper, J. M., J. W. Simmers & D. S. Cherry. 2001. Bioaccumulation of Butyltins in *Dreissena polymorpha* at a Confined Placement Facility in Buffalo, New York. *Environ. Pollut.* 111(3):447–452.
- Rosell, R. S., C. M. Maguire & T. K. McCarthy. 1998. First Reported Settlement of Zebra Mussels *Dreissena polymorpha* in the Erne System, Co. Fermanagh, Northern Ireland. *Biol. Environ. Proc. R. Irish Acad.* 98B(3):191–193.
- Roseman, E. F., E. L. Mills, M. Rutzke, W. H. Gutenmann & D. J. Lisk. 1994. Absorption of Cadmium from Water by North American Zebra and Quagga Mussels (Bivalvia, Dreissenidae). *Chemosphere* 28(4):737–743.
- Rosenberg, G. & M. L. Ludyanskiy. 1994. A Nomenclatural Review of *Dreissena* (Bivalvia, Dreissenidae), with Identification of the Quagga Mussel as *Dreissena bugensis*. *Can. J. Fish. Aquat. Sci.* 51(7):1474–1484.
- Ross, R. K., S. A. Petrie, S. S. Badzinski & A. Mullie. 2005. Autumn Diet of Greater Scaup, Lesser Scaup, and Long-Tailed Ducks on Eastern Lake Ontario Prior to Zebra Mussel Invasion. *Wildl. Soc. Bull.* 33(1):81–91.
- Rubinshtein, I. 1994. Disagrees with Zebra Mussel Recommendations. *Fisheries (Bethesda, Md.)* 19(4):40.
- Rutherford, E. S., K. A. Rose, E. L. Mills, J. L. Forney, C. M. Mayer & L. G. Rudstam. 1999. Individual-Based Model Simulations of a Zebra Mussel (*Dreissena polymorpha*) Induced Energy Shunt on Walleye (*Stizostedion vitreum*) and Yellow Perch (*Perca flavescens*) Populations in Oneida Lake, New York. *Can. J. Fish. Aquat. Sci.* 56(11):2148–2160.
- Rutkowski, D. H. 1994. Impact of Roach (*Rutilus rutilus*) Predation on Abundance and Body Size of Zebra Mussel (*Dreissena polymorpha*) in Mesotrophic Lake. *Int. Vereinigung Theoret. Angewandte Limnol.* 25(4):1355–1357.
- Rutzke, M. A., W. H. Gutenmann, D. J. Lisk & E. L. Mills. 2000. Toxic and Nutrient Element Concentrations in Soft Tissues of Zebra and Quagga Mussels from Lakes Erie and Ontario. *Chemosphere* 40(12):1353–1356.
- Rzepecki, L. M. & J. H. Waite. 1993. The Byssus of the Zebra Mussel, *Dreissena polymorpha*. I: Morphology and *In Situ* Protein Processing During Maturation. *Mol. Mar. Biol. Biotechnol.* 2(5):255–266.
- Rzepecki, L. M. & J. H. Waite. 1993. The Byssus of the Zebra Mussel, *Dreissena polymorpha*. II: Structure and Polymorphism of Byssal Polyphenolic Protein Families. *Mol. Mar. Biol. Biotechnol.* 2(5):267–279.
- Salgado-Barragan, J. & A. Toledano-Granados. 2006. The False Mussel *Mytilopsis adamsi* Morrison, 1946 (Mollusca: Bivalvia: Dreissenidae) in the Pacific Waters of Mexico: A Case of Biological Invasion. *Hydrobiologia* 563:1–7.
- Sandrine, P. & P. Marc. 2007. Identification of Multixenobiotic Defence Mechanism (MXR) Background Activities in the Freshwater Bivalve *Dreissena polymorpha* as Reference Values for Its Use as Biomarker in Contaminated Ecosystems. *Chemosphere* 67(6):1258–1263.
- Sangiaco, R. & N. G. Randell. 1993. Invasion of the Zebra Mussels. *Civ. Eng.* 63(5):56–58.
- Sarnelle, O., A. E. Wilson, S. K. Hamilton, L. B. Knoll & D. F. Raikow. 2005. Complex Interactions Between the Zebra Mussel, *Dreissena polymorpha*, and the Harmful Phytoplankton, *Microcystis aeruginosa*. *Limnol. Oceanogr.* 50(3):896–904.
- Sarrouh, S. F. & N. Ramadan. 1994. Monitoring the Effect of Zebra Mussels on Raw-Water Intakes. *J. Am. Water Works Assoc.* 86(5):98–102.
- Sawyer, C. S. & S. A. McCommas. 2001. RAPD-PCR to Assay Genetic Variation of *Dreissena polymorpha*. *Trans. Ill. State Acad. Sci.* 94(Suppl.):74.

- Schaefer, R., R. Claudi & M. Grapperhaus. 2010. Control of Zebra Mussels Using Sparker Pressure Pulses. *J. Am. Water Works Assoc.* 102(4):113.
- Scheide, J. I. & P. N. Bonaminio. 1994. Effect of Low Water Temperature on Ion Balance in the Zebra Mussel, *Dreissena polymorpha*, and the Unionid Mussel, *Lampsilis radiata*. *Nautilus* 107(4):113–117.
- Schettler, G. & N. J. G. Pearce. 1996. Metal Pollution Recorded in Extinct *Dreissena polymorpha* Communities, Lake Breitling, Havel Lakes System, Germany: A Laser Ablation Inductively Coupled Plasma Mass Spectrometry Study. *Hydrobiologia* 317(1):1–11.
- Schloesser, D. W. 1996. Mitigation of Unionid Mortality Caused by Zebra Mussel Infestation: Cleaning of Unionids. *North Am. J. Fish. Manage.* 16(4):942–946.
- Schloesser, D. W., A. Bij de Vaate & A. Zimmerman. 1994. A Bibliography of *Dreissena polymorpha* in European and Russian Waters: 1964–1993. *J. Shellfish Res.* 13(1):243–267.
- Schloesser, D. W. & W. P. Kovalak. 1991. Infestation of Unionids by *Dreissena polymorpha* in a Power Plant Canal in Lake Erie. *J. Shellfish Res.* 10(2):355–359.
- Schloesser, D. W., W. P. Kovalak, G. D. Longton, K. L. Ohnesorg & R. D. Smithee. 1998. Impact of Zebra and Quagga Mussels (*Dreissena* spp.) on Freshwater Unionids (Bivalvia: Unionidae) in the Detroit River of the Great Lakes. *Am. Midl. Nat.* 140(2):299–313.
- Schloesser, D. W., K. A. Krieger, J. J. H. Cibrowski & L. D. Corkum. 2000. Recolonization and Possible Recovery of Burrowing Mayflies (Ephemeroptera: Ephemeridae: *Hexagenia* spp.) in Lake Erie of the Laurentian Great Lakes. *J. Aquat. Ecosyst. Stress Recovery* 8:125–141.
- Schloesser, D. W. & E. C. Masteller. 1999. Mortality of Unionid Bivalves (Mollusca) Associated with Dreissenid Mussels (*Dreissena polymorpha* and *D. bugensis*) in Presque Isle Bay, Lake Erie. *Northeastern Naturalist* 6(4):341–352.
- Schloesser, D. W., J. L. Metcalfe-Smith, W. P. Kovalak, G. D. Longton & R. D. Smithee. 2006. Extirpation of Freshwater Mussels (Bivalvia: Unionidae) Following the Invasion of Dreissenid Mussels in an Interconnecting River of the Laurentian Great Lakes. *Am. Midl. Nat.* 155(2):307–320.
- Schloesser, D. W. & T. F. Nalepa. 1994. Dramatic Decline of Unionid Bivalves in Offshore Waters of Western Lake Erie After Infestation by the Zebra Mussel, *Dreissena polymorpha*. *Can. J. Fish. Aquat. Sci.* 51(10):2234–2242.
- Schloesser, D. W. & T. F. Nalepa. 2001. Changing Abundance of *Hexagenia* Mayfly Nymphs in Western Lake Erie of the Laurentian Great Lakes: Impediments to Assessment of Lake Recovery? *Int. Rev. Hydrobiol.* 86:87–103.
- Schloesser, D. W., T. F. Nalepa & G. L. Mackie. 1996. Zebra Mussel Infestation of Unionid Bivalves (Unionidae) in North America. *Am. Zool.* 36(3):300–310.
- Schloesser, D. W., R. D. Smithee, G. D. Longton & W. P. Kovalak. 1997. Zebra Mussel Induced Mortality of Unionids in Firm Substrata of Western Lake Erie and a Habitat for Survival. *Am. Malacol. Bull.* 14(1):67–74.
- Schneider, D. W. 1992. A Bioenergetics Model of Zebra Mussel, *Dreissena polymorpha*, Growth in the Great Lakes. *Can. J. Fish. Aquat. Sci.* 49(7):1406–1416.
- Schneider, D. W., C. D. Ellis & K. S. Cummings. 1998. A Transportation Model Assessment of the Risk to Native Mussel Communities from Zebra Mussel Spread. *Conserv. Biol.* 12(4):788–800.
- Schneider, D. W., S. P. Madon, J. A. Stoeckel & R. E. Sparks. 1998. Seston Quality Controls Zebra Mussel (*Dreissena polymorpha*) Energetics in Turbid Rivers. *Oecologia* 117(3):331–341.
- Schol, A., V. Kirchesch, T. Bergfeld, F. Scholl, J. Borchering & D. Muller. 2002. Modelling the Chlorophyll-*a* Content of the River Rhine: Interrelation Between Riverine Algal Production and Population Biomass of Grazers, Rotifers and the Zebra Mussel, *Dreissena polymorpha*. *Int. Rev. Hydrobiol.* 87(2–3):295–317.
- Schonenberg, D. B. & A. Gittenberger. 2008. The Invasive Quagga Mussel *Dreissena rostriformis bugensis* (Andrusov, 1879) (Bivalvia: Dreissenidae) in the Dutch Haringvliet, an Enclosed Freshwater Rhine-Meuse Estuary, the Westernmost Record for Europe. *Bacteria* 72(4–6):345–352.
- Schreiber, S., T. Odelstrom, K. Pettersson & D. Eichelberg. 1998. The Zebra Mussel *Dreissena polymorpha* as a Food Source for the Signal Crayfish *Pacifastacus leniusculus* in Lake Erken: Laboratory Experiments. *Adv. Limnol.* 51:169–176.
- Schueler, F. W. & A. L. Martel. 2009. Freshwater Bivalves in North America: Mortality of Native Freshwater Mussels Associated with Increased Populations of *Dreissena polymorpha*, 15–18 Years After Its Introduction to the Upper Rideau River, Ontario, Canada. *Tentacle* 17:27–28.
- Schutt, H. 1993. The Genus *Dreissena* in the Quaternary of Anatolia (Bivalvia: Eulamellibranchiata: Dreissenacea). *Arch. Molluskenkd.* 122:323–333.
- Schutt, H. & R. Sesen. 2007. The Freshwater Mussel *Dreissena siouffi* (Loucard) in the River Euphrates. *Triton (Rehovot)* 16:1–4.
- Seaver, R. W., G. W. Ferguson, W. H. Gehrmann & M. J. Misamore. 2009. Effects of Ultraviolet Radiation on Gametic Function During Fertilization in Zebra Mussels (*Dreissena polymorpha*). *J. Shellfish Res.* 28(3):625–633.
- Secor, C. L., E. L. Mills, J. Harshbarger, H. T. Kuntz, W. H. Gutenmann & D. J. Lisk. 1993. Bioaccumulation of Toxicants, Element and Nutrient Composition, and Soft-Tissue Histology of Zebra Mussels (*Dreissena polymorpha*) from New York State Waters. *Chemosphere* 26(8):1559–1575.
- Selegean, J. P. W., R. Kusserow, R. Patel, T. M. Heidtke & J. L. Ram. 2001. Using Zebra Mussels to Monitor *Escherichia coli* in Environmental Waters. *J. Environ. Qual.* 30(1):171–179.
- Sergeeva, I. S. 2008. The Phenotypic Diversity of *Dreissena polymorpha* (Pallas) in the Northeastern Part of Its Range. *Inland Water Biology* 1(3):248–254.
- Sergeeva, I. S. 2008. The Phenotypic Diversity of *Dreissena polymorpha* (Pallas) in the Northeastern Part of Its Range. *Biologiya Vnutrennikh Vod* 3:53–60.
- Serrouya, R., A. Ricciardi & F. G. Whoriskey. 1995. Predation on Zebra Mussels (*Dreissena polymorpha*) by Captive Reared Map Turtles (*Graptemys geographica*). *Can. J. Zool.* 73(12):2238–2243.
- Shcherbina, G. K. 1993. The Role of *Dreissena polymorpha* Pallas in the Benthic Communities of Lake Vishtynetskoe. *Trudy Instituta Biologii Vnutrennikh Vod* 69(72):145–159.
- Shcherbina, G. K. 2008. The Structure of *Dreissena polymorpha* (Pallas) Biocenosis and the Role of Mollusk in Roach *Rutilus rutilus* (Linnaeus) Feeding in Pleshcheevo Lake. *Inland Water Biology* 1(4):380–387.
- Shcherbina, G. H. 2008. Structure of *Dreissena polymorpha* (Pallas) Biocenosis and Role of Mollusk in Roach (*Rutilus rutilus* (Linnaeus)) Feeding in Pleshcheevo Lake. *Biol. Vnutrennikh Vod* 4:72–80.
- Shelton, W. L. 1994. Zebra Mussel Control Response: Reply. *Fisheries (Bethesda, Md.)* 19(12):43.



- Shevchenko, V. A. & A. N. Fetisov. 1989. Biochemical Polymorphism of *Dreissena polymorpha* Populations Living in a Cooler Reservoir of an Atomic Power-Station. *Dokl. Akad. Nauk SSSR* 307(5):1249–1252.
- Shevtsova, L. V. 1996. The Control of *Dreissena* (*D. polymorpha* Pall., *D. bugensis* Andr.) Overgrowing Water Supply Lines. *Gidrobiol. Zh.* 32(3): 58–64.
- Shuisky, V. F. & D. A. Pugovkin. 1990. Some Characteristic Features in Biology of Mollusk *Dreissena polymorpha* Pall. in Water Body-Cooler of Ryazan Power Station. *Gosudarstvennyy Nauchno-Issledovatel'skii Institut Ozernogo I Rechnogo Rybnogo Khozyaistva Sbornik Nauchnykh Trudov* 309:66–73, 139, 144.
- Shukla, V., K. N. King & J. L. Ram. 2002. Zebra Mussels at the Freshwater/Sea Interface: Ionic and Osmotic Challenges to Oocyte Structural Integrity. *Integr. Comp. Biol.* 42(6):1312.
- Sietman, B. E., E. A. Anderson, R. Nyboer & F. R. Hutto. 2005. Native Freshwater Mussels (Bivalvia: Unionidae) and Infestation by Zebra Mussels at the Lost Mound Unit of the Upper Mississippi River National Wildlife and Fish Refuge. *Trans. Ill. State Acad. Sci.* 97(3–4): 235–254.
- Sietman, B. E., H. L. Dunn, J. K. Tucker & D. E. Kelner. 2003. Muskrat (*Ondatra zibethicus*) Predation on Zebra Mussels (*Dreissena polymorpha*) Attached to Unionid Bivalves. *J. Freshw. Ecol.* 18(1):25–32.
- Silayeva, A. A., A. A. Protasov & I. A. Morozovskaya. 2011. Epibiotic Communities of *Dreissena polymorpha* Pall. on the Shells of Unionidae. *Hydrobiol. J.* 47(1):15–28.
- Silverman, H., E. C. Achberger, J. W. Lynn & T. H. Dietz. 1995. Filtration and Utilization of Laboratory-Cultured Bacteria by *Dreissena polymorpha*, *Corbicula fluminea*, and *Carunculina texasensis*. *Biol. Bull.* 189(3):308–319.
- Silverman, H., J. W. Lynn, E. C. Achberger & T. H. Dietz. 1996. Gill Structure in Zebra Mussels: Bacterial-Sized Particle Filtration. *Am. Zool.* 36(3):373–384.
- Silverman, H., J. W. Lynn & T. H. Dietz. 1996. Particle Capture by the Gills of *Dreissena polymorpha*: Structure and Function of Latero-Frontal Cirri. *Biol. Bull.* 191(1):42–54.
- Singer, C., S. Zimmermann & B. Sures. 2005. Induction of Heat Shock Proteins (HSP70) in the Zebra Mussel (*Dreissena polymorpha*) Following Exposure to Platinum Group Metals (Platinum, Palladium and Rhodium): Comparison with Lead and Cadmium Exposures. *Aquat. Toxicol.* 75(1):65–75.
- Singer, S., A. Vanfleet, J. J. Viel & E. E. Genevise. 1997. Biological Control of the Zebra Mussel *Dreissena polymorpha* and the Snail *Biomphalaria glabrata*, Using Gramicidin S and D and Molluscicidal Strains of *Bacillus*. *J. Ind. Microbiol. Biotechnol.* 18(4):226–231.
- Sinicyna, O. O., A. A. Potasov, B. Zdanowski & A. Kraszewski. 2001. Ecological Niche of *Dreissena polymorpha* (Pall.) Aggregations in the Heated Konin Lakes System. *Archiwum Rybactwa Polskiego* 9(1):133–142.
- Sinicyna, O. O. & B. Zdanowski. 2007. Development of the Zebra Mussel, *Dreissena polymorpha* (Pall.), Population in a Heated Lakes Ecosystem: I. Changes in Population Structure. *Archiwum Rybactwa Polskiego* 15(4):369–385.
- Sinicyna, O. O. & B. Zdanowski. 2007. Development of the Zebra Mussel, *Dreissena polymorpha* (Pall.), Population in a Heated Lakes Ecosystem: II. Life Strategy. *Archiwum Rybactwa Polskiego* 15(4):387–400.
- Sipia, V. O., H. T. Kankaanpaa, S. Pflugmacher, J. Flinkman, A. Furey & K. J. James. 2002. Bioaccumulation and Detoxication of Nodularin in Tissues of Flounder (*Platichthys flesus*), Mussels (*Mytilus edulis*, *Dreissena polymorpha*), and Clams (*Macoma balthica*) from the Northern Baltic Sea. *Ecotoxicol. Environ. Saf.* 53(2):305–311.
- Slepnev, A. E., A. A. Protasov & I. L. Videnina. 1993. Formation of *Dreissena polymorpha* Pall. Community Under Experimental Condition. *Gidrobiol. Zh.* 29(1):24–30.
- Smietana, P. 1996. Attachment of Zebra Mussel, *Dreissena polymorpha* (Pall.) to the Exoskeleton of *Orconectes limosus* (Raf.) from the Dabie Lake. *Przeglad Zool.* 40(1–2):69–72.
- Smit, H., A. Bij de Vaate & A. Fioole. 1992. Shell Growth of the Zebra Mussel (*Dreissena polymorpha* (Pallas)) in Relation to Selected Physicochemical Parameters in the Lower Rhine and Some Associated Lakes. *Arch. Hydrobiol.* 124(3):257–280.
- Smit, H. & E. D. van Heel. 1992. Methodical Aspects of a Simple Allometric Biomass Determination of *Dreissena polymorpha* Aggregations. *Limnol. Aktuell* 4:79–86.
- Smital, T., R. Sauerborn & B. K. Hackenberger. 2003. Inducibility of the P-Glycoprotein Transport Activity in the Marine Mussel *Mytilus galloprovincialis* and the Freshwater Mussel *Dreissena polymorpha*. *Aquat. Toxicol.* 65(4):443–465.
- Smith, D. G. 1999. Differences in Siphonal Anatomy Between *Dreissena polymorpha* and *D. bugensis* (Mollusca: Dreissenidae) in Lake Ontario. *Am. Midl. Nat.* 141(2):402–405.
- Smith, R. E. H., V. P. Hiriart-Baer, S. N. Higgins, S. J. Guildford & M. N. Charlton. 2005. Planktonic Primary Production in the Offshore Waters of Dreissenid-Infested Lake Erie in 1997. *J. Great Lakes Res.* 31:50–62.
- Smith, T. E., R. J. Stevenson, N. F. Caraco & J. J. Cole. 1998. Changes in Phytoplankton Community Structure During the Zebra Mussel (*Dreissena polymorpha*) Invasion of the Hudson River (New York). *J. Plankton Res.* 20(8):1567–1579.
- Smolders, R., L. Bervoets & R. Blust. 2002. Transplanted Zebra Mussels (*Dreissena polymorpha*) as Active Biomonitoring in an Effluent-Dominated River. *Environ. Toxicol. Chem.* 21(9):1889–1896.
- Smolders, R., L. Bervoets, W. De Coen & R. Blust. 2004. Cellular Energy Allocation in Zebra Mussels Exposed Along a Pollution Gradient: Linking Cellular Effects to Higher Levels of Biological Organization. *Environ. Pollut.* 129(1):99–112.
- Snow, V., J. Duncan & J. L. Ram. 1995. Contractile Responses of Zebra Mussel Gills. *Fed. Am. Soc. Exp. Biol. J.* 9(4):A640.
- Solomatina, V. D., M. V. Malinovskaya & T. G. Grebenkina. 1994. Biological Changes in the Organism of *Dreissena* in the Environment Polluted by Radionuclides. *Gidrobiol. Zh.* 30(6):58–63.
- Son, M. O. 2007. Native Range of the Zebra Mussel and Quagga Mussel and New Data on Their Invasions Within the Ponto-Caspian Region. *Aquatic Invasions* 2(3):174–184.
- Soroka, M. 1999. Colonisation of Water Bodies by the Zebra Mussel *Dreissena polymorpha* (Pallas) in the Light of Genetic Studies. *Folia Malacol.* 7(4):245–255.
- Soroka, M. 2002. Genetic Structure of an Invasive Bivalve *Dreissena polymorpha* (Pallas) from Poland: I. Geographical and Intra-Population Variation. *Folia Malacol.* 10(4):175–213.
- Soroka, M. 2003. Genetic Structure of an Invasive Bivalve *Dreissena polymorpha* (Pallas) from Poland: II. Ecological Variation. *Folia Malacol.* 11(1–2):43–55.

- Soroka, M. 2002. Genetic Structure of *Dreissena polymorpha* Population from Small and Isolated Water Bodies. *Visnyk Zhytomyrskoho Pedahohichnoho Universytetu* 10:50–52.
- Soroka, M., R. Zielinski, K. Polok & M. Swierczynski. 1997. Genetic Structure of *Dreissena polymorpha* (Pallas) Population in Lake Insko, North-Western Poland. *Pol. Arch. Hydrobiol.* 44(4):505–515.
- Sousa, R., F. Pilotto & D. C. Aldridge. 2011. Fouling of European Freshwater Bivalves (Unionidae) by the Invasive Zebra Mussel (*Dreissena polymorpha*). *Freshw. Biol.* 56(5):867–876.
- Spada, M. E. & N. H. Ringler. 2002. Invasion of Onondaga Lake, New York, by the Zebra Mussel (*Dreissena polymorpha*) Following Reductions in N Pollution. *J. North Am. Benthol. Soc.* 21(4):634–650.
- Spidle, A. P., J. E. Marsden & B. May. 1994. Identification of the Great-Lakes Quagga Mussel as *Dreissena bugensis* from the Dnieper River, Ukraine, on the Basis of Allozyme Variation. *Can. J. Fish. Aquat. Sci.* 51(7):1485–1489.
- Spidle, A. P., E. L. Mills & B. May. 1995. Absence of Naturally-Occurring Hybridization Between the Quagga Mussel (*Dreissena bugensis*) and the Zebra Mussel (*D. polymorpha*) in the Lower Great-Lakes. *Can. J. Zool.* 73(2):400–403.
- Spidle, A. P., E. L. Mills & B. May. 1995. Limits to Tolerance of Temperature and Salinity in the Quagga Mussel (*Dreissena bugensis*) and the Zebra Mussel (*Dreissena polymorpha*). *Can. J. Fish. Aquat. Sci.* 52(10):2108–2119.
- Sprung, M. 1989. Field and Laboratory Observations of *Dreissena polymorpha* Larvae: Abundance, Growth, Mortality and Food Demands. *Arch. Hydrobiol.* 115(4):537–561.
- Sprung, M. 1991. Costs of Reproduction: A Study on Metabolic Requirements of the Gonads and Fecundity of the Bivalve *Dreissena polymorpha*. *Malacologia* 33(1–2):63–70.
- Sprung, M. 1992. Observations on Shell Growth and Mortality of *Dreissena polymorpha* in Lakes. *Limnol. Aktuell* 4:19–28.
- Sprung, M. 1995. Physiological Energetics of the Zebra Mussel *Dreissena polymorpha* in Lakes: 1. Growth and Reproductive Effort. *Hydrobiologia* 304(2):117–132.
- Sprung, M. 1995. Physiological Energetics of the Zebra Mussel *Dreissena polymorpha* in Lakes: 2. Food Uptake and Gross Growth Efficiency. *Hydrobiologia* 304(2):133–146.
- Sprung, M. 1995. Physiological Energetics of the Zebra Mussel *Dreissena polymorpha* in Lakes: 3. Metabolism and Net Growth Efficiency. *Hydrobiologia* 304(2):147–158.
- Sprung, M. & J. Borcharding. 1991. Physiological and Morphometric Changes in *Dreissena polymorpha* (Mollusca, Bivalvia) During a Starvation Period. *Malacologia* 33(1–2):179–191.
- Stab, J. A., M. Frenay, I. L. Freriks, U. A. T. Brinkman & W. P. Cofino. 1995. Survey of 9 Organotin Compounds in the Netherlands Using the Zebra Mussel (*Dreissena polymorpha*) as Biomonitor. *Environ. Toxicol. Chem.* 14(12):2023–2032.
- Stanczykowska, A. 1994. Long-Term Changes in Some *Dreissena polymorpha* Populations in Poland. *Int. Assoc. Theoret. Appl. Limnol.* 25: 2352–2354.
- Stanczykowska, A. 1997. Ecology of *Dreissena polymorpha* (Pall) (Bivalvia) in Lakes. *Pol. Arch. Hydrobiol.* 24:461–530.
- Stanczykowska, A. 1997. Review of Studies on *Dreissena polymorpha* (Pall.). *Pol. Arch. Hydrobiol.* 44(4):401–415.
- Stanczykowska, A. & K. Lewandowski. 1993. Effect of Filtering Activity of *Dreissena polymorpha* (Pall) on the Nutrient Budget of the Littoral of Lake Mikolajskie. *Hydrobiologia* 251(1–3):73–79.
- Stanczykowska, A. & K. Lewandowski. 1996. Individual Growth of the Freshwater Mussel *Dreissena polymorpha* (Pall.) in Mikolajskie Lake: Estimates *in Situ*. *Ekol. Polska* 43(3–4):267–276.
- Stanczykowska, A., K. Lewandowski & M. Swierczynski. 1997. Summary of Studies on *Dreissena polymorpha* (Pall.) Conducted in the Period 1993–95 in the Masurian and Pomeranian Lakelands. *Pol. Arch. Hydrobiol.* 44(4):517–520.
- Stanczykowska, A. & R. Stoczkowski. 1997. Are the Changes in *Dreissena polymorpha* (Pall.) Distribution in the Great Masurian Lakes Related to Trophic State? *Pol. Arch. Hydrobiol.* 44(4):417–429.
- Stankovic, I. & I. Ternjej. 2010. New Ecological Insight on Two Invasive Species: *Craspedacusta sowerbii* (Coelenterata: Limnomedusae) and *Dreissena polymorpha* (Bivalvia: Dreissenidae). *J. Nat. Hist.* 44(45–46):2707–2713.
- Stapanian, M. A., P. M. Kocovsky & J. V. Adams. 2009. Change in Diel Catchability of Young-of-Year Yellow Perch Associated with Establishment of Dreissenid Mussels. *Freshw. Biol.* 54(8):1593–1604.
- Stegemann, E. C. 1992. The Zebra Mussel: New York's Carpetbagger. *Conservationist (Albany)* 47(1):36–41.
- Stepien, C. A., J. E. Brown, M. E. Neilson & M. A. Tumeo. 2005. Genetic Diversity of Invasive Species in the Great Lakes Versus Their Eurasian Source Populations: Insights for Risk Analysis. *Risk Anal.* 25(4):1043–1060.
- Stepien, C. A., A. N. Hubers & J. L. Skidmore. 1999. Diagnostic Genetic Markers and Evolutionary Relationships Among Invasive Dreissenid and Corbiculoid Bivalves in North America: Phylogenetic Signal from Mitochondrial 16s rDNA. *Mol. Phylogenet. Evol.* 13(1):31–49.
- Stepien, C. A., B. Morton, K. A. Dabrowska, R. A. Guarnera, T. Radja & B. Radja. 2001. Genetic Diversity and Evolutionary Relationships of the Troglodytic “Living Fossil” *Congeria kusceri* (Bivalvia: Dreissenidae). *Mol. Ecol.* 10(8):1873–1879.
- Stepien, C. A., C. D. Taylor & K. A. Dabrowska. 2002. Genetic Variability and Phylogeographical Patterns of a Nonindigenous Species Invasion: A Comparison of Exotic vs. Native Zebra and Quagga Mussel Populations. *J. Evol. Biol.* 15(2):314–328.
- Stewart, T. W., J. C. Gafford, J. G. Miner & R. L. Lowe. 1999. *Dreissena*-Shell Habitat and Antipredator Behavior: Combined Effects on Survivorship of Snails Co-occurring with Molluscivorous Fish. *J. North Am. Benthol. Soc.* 18(2):274–283.
- Stewart, T. W. & J. M. Haynes. 1994. Benthic Macroinvertebrate Communities of Southwestern Lake Ontario Following Invasion of *Dreissena*. *J. Great Lakes Res.* 20(2):479–493.
- Stewart, T. W., O. Johannsson, K. Holek, W. G. Sprules & R. O’Gorman. 2010. The Lake Ontario Zooplankton Community Before (1987–1991) and After (2001–2005) Invasion-Induced Ecosystem Change. *J. Great Lakes Res.* 36:596–605.
- Stewart, T. W., J. G. Miner & R. L. Lowe. 1998. An Experimental Analysis of Crayfish (*Orconectes rusticus*) Effects on a *Dreissena*-Dominated Benthic Macroinvertebrate Community in Western Lake Erie. *Can. J. Fish. Aquat. Sci.* 55(4):1043–1050.
- Stewart, T. W., J. G. Miner & R. L. Lowe. 1998. Macroinvertebrate Communities on Hard Substrates in Western Lake Erie: Structuring Effects of *Dreissena*. *J. Great Lakes Res.* 24(4):868–879.
- Stewart, T. W., J. G. Miner & R. L. Lowe. 1998. Quantifying Mechanisms for Zebra Mussel Effects on Benthic Macroinvertebrates: Organic Matter Production and Shell-Generated Habitat. *J. North Am. Benthol. Soc.* 17(1):81–94.

- Stewart, T. W., J. G. Miner & R. L. Lowe. 1999. A Field Experiment to Determine *Dreissena* and Predator Effects on Zoobenthos in a Nearshore, Rocky Habitat of Western Lake Erie. *J. North Am. Benthol. Soc.* 18(4):488–498.
- Stewart, T. J. & W. G. Sprules. 2011. Carbon-Based Balanced Trophic Structure and Flows in the Offshore Lake Ontario Food Web Before (1987–1991) and After (2001–2005) Invasion-Induced Ecosystem Change. *Ecol. Modell.* 222:692–708.
- Stoeckel, J. A., D. K. Padilla, D. W. Schneider & C. R. Rehmann. 2004. Laboratory Culture of *Dreissena polymorpha* Larvae: Spawning Success, Adult Fecundity, and Larval Mortality Patterns. *Can. J. Zool.* 82(9):1436–1443.
- Stoeckel, J. A., C. R. Rehmann, D. W. Schneider & D. K. Padilla. 2004. Retention and Supply of Zebra Mussel Larvae in a Large River System: Importance of an Upstream Lake. *Freshw. Biol.* 49(7):919–930.
- Stoeckel, J. A., D. W. Schneider, L. A. Soeken, K. D. Blodgett & R. E. Sparks. 1997. Larval Dynamics of a Riverine Metapopulation: Implications for Zebra Mussel Recruitment, Dispersal, and Control in a Large-River System. *J. North Am. Benthol. Soc.* 16(3):586–601.
- Stoeckmann, A. 2003. Physiological Energetics of Lake Erie Dreissenid Mussels: A Basis for the Displacement of *Dreissena polymorpha* by *Dreissena bugensis*. *Can. J. Fish. Aquat. Sci.* 60(2):126–134.
- Stoeckmann, A. M. & D. W. Garton. 1997. A Seasonal Energy Budget for Zebra Mussels (*Dreissena polymorpha*) in Western Lake Erie. *Can. J. Fish. Aquat. Sci.* 54(12):2743–2751.
- Stoeckmann, A. M. & D. W. Garton. 2001. Flexible Energy Allocation in Zebra Mussels (*Dreissena polymorpha*) in Response to Different Environmental Conditions. *J. North Am. Benthol. Soc.* 20(3):486–500.
- Stokstad, E. 2007. Invasive Species: Feared Quagga Mussel Turns up in Western United States. *Science* 315:453.
- Strayer, D. L. 1991. Projected Distribution of the Zebra Mussel, *Dreissena polymorpha*, in North America. *Can. J. Fish. Aquat. Sci.* 48(8):1389–1395.
- Strayer, D. L. 1999. Effects of Alien Species on Freshwater Mollusks in North America. *J. North Am. Benthol.* 18:74–98.
- Strayer, D. L. 1999. Invasion of Fresh Waters by Saltwater Animals. *Trends Ecol. Evol.* 14:448–449.
- Strayer, D. L. 2009. Twenty Years of Zebra Mussels: Lessons from the Mollusk That Made Headlines. *Front. Ecol. Environ* 7(3):135–141.
- Strayer, D. L., N. F. Caraco, J. J. Cole, S. Findlay & M. L. Pace. 1999. Transformation of Freshwater Ecosystems by Bivalves: A Case Study of Zebra Mussels in the Hudson River. *Bioscience* 49(1):19–27.
- Strayer, D. L., N. Cid & H. M. Malcom. 2011. Long-term Changes in a Population of an Invasive Bivalve and Its Effects. *Oecologia* 165:1063–1072.
- Strayer, D. L., K. A. Hattala & A. W. Kahnle. 2004. Effects of an Invasive Bivalve (*Dreissena polymorpha*) on Fish in the Hudson River Estuary. *Can. J. Fish. Aquat. Sci.* 61(6):924–941.
- Strayer, D. L. & H. M. Malcom. 2006. Long-Term Demography of a Zebra Mussel (*Dreissena polymorpha*) Population. *Freshw. Biol.* 51(1):117–130.
- Strayer, D. L. & H. M. Malcom. 2007. Effects of Zebra Mussels (*Dreissena polymorpha*) on Native Bivalves: The Beginning of the End or the End of the Beginning? *J. North Am. Benthol. Soc.* 26(1):111–122.
- Strayer, L. D. & H. M. Malcom. 2007. Shell Decay Rates of Native and Alien Freshwater Bivalves and Implications for Habitat Engineering. *Freshw. Biol.* 52:1611–1617.
- Strayer, D. L., M. L. Pace, N. F. Caraco, J. J. Cole & S. E. G. Findlay. 2008. Hydrology and Grazing Jointly Control a Large-River Food. *Web Ecol.* 89:12–18.
- Strayer, D. L., J. Powell, P. Ambrose, L. C. Smith, M. L. Pace & D. T. Fischer. 1996. Arrival, Spread, and Early Dynamics of a Zebra Mussel (*Dreissena polymorpha*) Population in the Hudson River Estuary. *Can. J. Fish. Aquat. Sci.* 53(5):1143–1149.
- Strayer, D. L. & L. C. Smith. 1996. Relationships Between Zebra Mussels (*Dreissena polymorpha*) and Unionid Clams During the Early Stages of the Zebra Mussel Invasion of the Hudson River. *Freshw. Biol.* 36(3):771–779.
- Strayer, D. L. & L. C. Smith. 2000. Macroinvertebrates of a Rocky Shore in the Freshwater Tidal Hudson River. *Estuaries* 23:359–366.
- Strayer, D. L. & L. C. Smith. 2001. The Zoobenthos of the Freshwater Tidal Hudson River and Its Response to the Zebra Mussel (*Dreissena polymorpha*). *Invasion. Arch. Hydrobiol. (Suppl.)* 139(1):1–52.
- Strayer, D. L., L. C. Smith & D. C. Hunter. 1998. Effects of the Zebra Mussel (*Dreissena polymorpha*) Invasion on the Macroinvertebrates of the Freshwater Tidal Hudson River. *Can. J. Zool.* 76(3):419–425.
- Stuijzand, S. C., A. Drenth, M. Helms & M. H. S. Kraak. 1998. Bioassays Using the Midge *Chironomus riparius* and the Zebra Mussel *Dreissena polymorpha* for Evaluation of River Water Quality. *Arch. Environ. Contam. Toxicol.* 34(4):357–363.
- Stuijzand, S. C., M. H. S. Kraak, Y. A. Wink & C. Davids. 1995. Short-Term Effects of Nickel on the Filtration Rate of the Zebra Mussel *Dreissena polymorpha*. *Bull. Environ. Contam. Toxicol.* 54(3):376–381.
- Stumpf, P., K. Failing, T. Papp, J. Nazir, R. Boehm & R. E. Marschang. 2010. Accumulation of a Low Pathogenic Avian Influenza Virus in Zebra Mussels (*Dreissena polymorpha*). *Avian Dis.* 54(4):1183–1190.
- Summers, R. B., J. H. Thorp, J. E. Alexander & R. D. Fell. 1996. Respiratory Adjustment of Dreissenid Mussels (*Dreissena polymorpha* and *Dreissena bugensis*) in Response to Chronic Turbidity. *Can. J. Fish. Aquat. Sci.* 53(7):1626–1631.
- Sures, B., W. Steiner, M. Rydlo & H. Taraschewski. 1999. Concentrations of 17 Elements in the Zebra Mussel (*Dreissena polymorpha*), in Different Tissues of Perch (*Perca fluviatilis*), and in Perch Intestinal Parasites (*Acanthocephalus lucii*) from the Subalpine Lake Mondsee, Austria. *Environ. Toxicol. Chem.* 18(11):2574–2579.
- Sures, B., H. Taraschewski & M. Rydlo. 1997. Intestinal Fish Parasites as Heavy Metal Bioindicators: A Comparison Between *Acanthocephalus lucii* (Palaeacanthocephala) and the Zebra Mussel, *Dreissena polymorpha*. *Bull. Environ. Contam. Toxicol.* 59(1):14–21.
- Sures, B. & S. Zimmermann. 2007. Impact of Humic Substances on the Aqueous Solubility, Uptake and Bioaccumulation of Platinum, Palladium and Rhodium in Exposure Studies with *Dreissena polymorpha*. *Environ. Pollut.* 146(2):444–451.
- Swann, C. P., T. Adewole & J. H. Waite. 1998. Preferential Manganese Accumulation in Dreissenid Byssal Threads. *Comp. Biochem. Physiol. B Biochem. Mol. Biol.* 119(4):755–759.
- Swierczynski, M. 1994. A Form of Zebra Mussel, *Dreissena polymorpha* (Pallas, 1771) of Shell Coloration Pattern Without Black Zig-Zag Against Grayish-White Background. *Przegląd Zool.* 38(1–2):145–150.
- Swierczynski, M. 1996. A Cooccurrence of Sponges (*Porifera*) and *Dreissena polymorpha* (Pall.). *Przegląd Zool.* 40(1–2):119–121.
- Swierczynski, M. 1997. Occurrence of *Dreissena polymorpha* (Pall.) in Lakes Miedwie and Insko. *Pol. Arch. Hydrobiol.* 44(4):487–503.
- Szekeres, J., Z. Szaloky & K. Bodolai. 2008. The First Data of *Dreissena bugensis* (Andrusov, 1897) from Hungary. *Malakol. Tajekoztato* 26:33–36.
- Tessier, C. & J. S. Blais. 1996. Determination of Cadmium-Metallothioneins in Zebra Mussels Exposed to Subchronic Concentrations of Cd<sup>2+</sup>. *Ecotoxicol. Environ. Saf.* 33(3):246–252.

- Thayer, S. A., R. C. Haas, R. D. Hunter & R. H. Kushler. 1997. Zebra Mussel (*Dreissena polymorpha*) Effects on Sediment, Other Zoobenthos, and the Diet and Growth of Adult Yellow Perch (*Perca flavescens*) in Pond Enclosures. *Can. J. Fish. Aquat. Sci.* 54(8): 1903–1915.
- Therriault, T. W., M. F. Docker, M. I. Orlova, D. D. Heath & H. J. MacIsaac. 2004. Molecular Resolution of the Family Dreissenidae (Mollusca: Bivalvia) with Emphasis on Ponto-Caspian Species, Including First Report of *Mytilopsis leucophaeata* in the Black Sea Basin. *Mol. Phylogenet. Evol.* 30(3):479–489.
- Therriault, T. W., M. I. Orlova, M. F. Docker, H. J. MacIsaac & D. D. Heath. 2005. Invasion Genetics of a Freshwater Mussel (*Dreissena rostriformis bugensis*) in Eastern Europe: High Gene Flow and Multiple Introductions. *Heredity* 95(1):16–23.
- Thomas, G., N. Hammouti & A. Seitz. 2011. New Polymorphic Microsatellite for the Zebra Mussels *Dreissena polymorpha* (Pallas 1771), a Common Bioindicator. *J. Shellfish Res.* 30(1):123–126.
- Thorp, J. H., J. E. Alexander, B. L. Bukaveckas, G. A. Cobbs & K. L. Bresko. 1998. Responses of Ohio River and Lake Erie Dreissenid Molluscs to Changes in Temperature and Turbidity. *Can. J. Fish. Aquat. Sci.* 55(1):220–229.
- Thorp, J. H., J. E. Alexander & G. A. Cobbs. 2002. Coping with Warmer, Large Rivers: A Field Experiment on Potential Range Expansion of Northern Quagga Mussels (*Dreissena bugensis*). *Freshw. Biol.* 47(9):1779–1790.
- Thorp, J. H. & A. F. Casper. 2002. Potential Effects on Zooplankton from Species Shifts in Planktivorous Mussels: A Field Experiment in the St. Lawrence River. *Freshw. Biol.* 47:107–119.
- Thorp, J. H. & A. F. Casper. 2003. Importance of Biotic Interactions in Large Rivers: An Experiment with Planktivorous Fish, Dreissenid Mussels and Zooplankton in the St Lawrence River. *River Res. Appl.* 19(3):265–279.
- Thorp, J. H., M. D. Delong & A. F. Casper. 1998. *In Situ* Experiments on Predatory Regulation of a Bivalve Mollusc (*Dreissena polymorpha*) in the Mississippi and Ohio Rivers. *Freshw. Biol.* 39(4):649–661.
- Tillitt, D. E., S. C. Riley, A. N. Evans, S. J. Nichols, J. L. Zajicek, J. Rinchar, C. A. Richter & C. C. Krueger. 2009. Dreissenid Mussels from the Great Lakes Contain Elevated Thiainase Activity. *J. Great Lakes Res.* 35(2):309–312.
- Timar, L. & D. J. Phaneuf. 2009. Modeling the Human-Induced Spread of an Aquatic Invasive: The Case of the Zebra Mussel. *Ecol. Econ.* 68(12):3060–3071.
- Tkachenko, T. A. & A. V. Liashenko. 1997. The Growth and Production of *Dreissena* Under Conditions of Artificial Water Flows. *Gidrobiol. Zh.* 33(4):3–16.
- Toczylowski, S. A., R. D. Hunter & L. M. Armes. 1999. The Role of Substratum Stability in Determining Zebra Mussel Load on Unionids. *Malacologia* 41(1):151–162.
- Toews, S., M. Beverleyburton & T. Lawrimore. 1993. Helminth and Protist Parasites of Zebra Mussels, *Dreissena polymorpha* (Pallas, 1771), in the Great-Lakes Region of Southwestern Ontario, with Comments on Associated Bacteria. *Can. J. Zool.* 71(9):1763–1766.
- Toomey, M. B., D. McCabe & J. E. Marsden. 2002. Factors Affecting the Movement of Adult Zebra Mussels (*Dreissena polymorpha*). *J. North Am. Benthol. Soc.* 21(3):468–475.
- Tormanen, C. D. 1997. The Effect of Metal Ions on Arginase from the Zebra Mussel *Dreissena polymorpha*. *J. Inorg. Biochem.* 66(2):111–118.
- Trichkova, T. A., D. S. Kozuharov, Z. K. Hubenov, I. S. Botev, M. T. Zivkov & S. D. Cheshmedjiev. 2008. Characteristics of Zebra Mussel (*Dreissena polymorpha*) Populations in Infested Reservoirs, Northwest Bulgaria. *J. Nat. Hist.* 42(5–8):619–631.
- Trometer, E. S. & W. D. N. Busch. 1999. Changes in Age-0 Fish Growth and Abundance Following the Introduction of Zebra Mussels *Dreissena polymorpha* in the Western Basin of Lake Erie. *North Am. J. Fish. Manage.* 19(2):604–609.
- Tuchman, N. C., R. L. Burks, C. A. Call & J. Smarrelli. 2004. Flow Rate and Vertical Position Influence Ingestion Rates of Colonial Zebra Mussels (*Dreissena polymorpha*). *Freshw. Biol.* 49(2):191–198.
- Tucker, J. K. 1994. Colonization of Unionid Bivalves by the Zebra Mussel, *Dreissena polymorpha*, in Pool-26 of the Mississippi River. *J. Freshw. Ecol.* 9(2):129–134.
- Tucker, J. K. 1994. Windrow Formation of 2 Snails (Families Viviparidae and Pleuroceridae) Colonized by the Exotic Zebra Mussel, *Dreissena polymorpha*. *J. Freshw. Ecol.* 9(1):85–86.
- Tucker, J. K. & E. R. Atwood. 1995. Contiguous Backwater Lakes as Possible Refugia for Unionid Mussels in Areas of Heavy Zebra Mussel (*Dreissena polymorpha*) Colonization. *J. Freshw. Ecol.* 10(1):43–47.
- Tucker, J. K. & J. B. Camerer. 1994. Colonization of the Dragonfly, *Gomphus vastus* Walsh, by the Zebra Mussel, *Dreissena polymorpha* (Pallas) (Anisoptera: Gomphidae; Bivalvia, Eulamellibranchia: Dreissenidae). *Odonatologica* 23(2):179–181.
- Tucker, J. K., F. A. Cronin, D. W. Soergel & C. H. Theiling. 1996. Predation on Zebra Mussels (*Dreissena polymorpha*) by Common Carp (*Cyprinus carpio*). *J. Freshw. Ecol.* 11(3):363–372.
- Tucker, J. K., C. H. Theiling, K. D. Blodgett & P. A. Thiel. 1993. Initial Occurrences of Zebra Mussels (*Dreissena polymorpha*) on Fresh-Water Mussels (Family Unionidae) in the Upper Mississippi River System. *J. Freshw. Ecol.* 8(3):245–251.
- Tucker, J. K., C. H. Theiling, F. J. Janzen & G. L. Paukstis. 1997. Sensitivity to Aerial Exposure: Potential of System-Wide Drawdowns to Manage Zebra Mussels in the Mississippi River. *Regul. Rivers Res. Manage.* 13(6):479–487.
- Turner, C. B. 2010. Influence of Zebra (*Dreissena polymorpha*) and Quagga (*Dreissena rostriformis*) mussel Invasions on Benthic Nutrient and Oxygen Dynamics. *Can. J. Fish. Aquat. Sci.* 67(12):1899–1908.
- Turner, K., W. H. Wong, S. L. Gerstenberger & J. M. Miller. 2011. Interagency Monitoring Action Plan (I-MAP) for Quagga Mussels in Lake Mead, Nevada–Arizona, USA. *Biol. Invasions* 6(2):195–204.
- Tutundjian, R. & C. Minier. 2007. Effect of Temperature on the Expression of P-Glycoprotein in the Zebra Mussel, *Dreissena polymorpha*. *J. Therm. Biol.* 32(3):171–177.
- Umek, J., S. Chandra, M. Rosen, M. Wittmann, J. Sullivan & E. Orsak. 2010. Importance of Benthic Production to Fish Populations in Lake Mead Prior to the Establishment of Quagga Mussels. *Lake Reservoir Manage.* 26(4):293–305.
- Ussery, T., A. C. Miller & B. S. Payne. 1998. Effects of Forced Hot Air on Zebra Mussel (*Dreissena polymorpha*) Survival. *J. Freshw. Ecol.* 13(3):365–367.
- Vadinenu, A., S. E. L. Taleb & A. Moctar. 1991. The Structure and Role of the *Dreissena polymorpha* Pall. (Bivalvia) Populations in Some Aquatic Ecosystems of the Danube Delta. *Analele Univ. Bucuresti Biol.* 40–41:63–82.
- Vailati, G., R. Bacchetta & P. Mantecca. 2001. Histological Markers of DDT Contamination in *Dreissena polymorpha*: The Case of Lake Maggiore. *Riv. Idrobiol.* 40(2–3):289–303.

- Vailati, G., R. Bacchetta & P. Mantecca. 2001. Sexual Maturity in Young *Dreissena polymorpha* from Lake Como (N. Italy). *Invertebr. Reprod. Dev.* 40(2–3):181–192.
- Valovirta, I. & M. Porkka. 1996. The Distribution and Abundance of *Dreissena polymorpha* (Pallas) in the Eastern Gulf of Finland. *Memoranda Soc. Pro Fauna Flora Fennica* 72(2):63–78.
- Van Appledorn, M. & C. E. Bach. 2007. Effects of Zebra Mussels (*Dreissena polymorpha*) on Mobility of Three Native Mollusk Species. *Am. Midl. Nat.* 158:329–337.
- Van Appledorn, M., D. A. Lamb, K. Albalak & C. E. Bach. 2007. Zebra Mussels Decrease Burrowing Ability and Growth of a Native Snail, *Campeloma decisum*. *Hydrobiologia* 575:441–445.
- Van Benschoten, J. E., J. N. Jensen, T. J. Brady, D. P. Lewis, J. Sferrazza & E. F. Neuhauser. 1993. Response of Zebra Mussel Veligers to Chemical Oxidants. *Water Res.* 27(4):575–582.
- Van Benschoten, J. E., J. N. Jensen, D. Harrington & D. J. Degirolamo. 1995. Zebra Mussel: Mortality with Chlorine. *J. Am. Water Works Assoc.* 87(5):101–108.
- Vanderploeg, H. A., T. H. Johengen & J. R. Liebig. 2009. Feedback Between Zebra Mussel Selective Feeding and Algal Composition Affects Mussel Condition: Did the Regime Changer Pay a Price for Its Success? *Freshw. Biol.* 54(1):47–63.
- Vanderploeg, H. A., J. R. Liebig, W. W. Carmichael, M. A. Agy, T. H. Johengen, G. L. Fahnenstiel & T. F. Nalepa. 2001. Zebra Mussel (*Dreissena polymorpha*) Selective Filtration Promoted Toxic Microcystis Blooms in Saginaw Bay (Lake Huron) and Lake Erie. *Can. J. Fish. Aquat. Sci.* 58(6):1208–1221.
- Vanderploeg, H. A., J. R. Liebig & A. A. Gluck. 1996. Evaluation of Different Phytoplankton for Supporting Development of Zebra Mussel Larvae (*Dreissena polymorpha*): the Importance of Size and Polyunsaturated Fatty Acid Content. *J. Great Lakes Res.* 22(1):36–45.
- Vanderploeg, H. A., J. R. Liebig, T. F. Nalepa, G. L. Fahnenstiel & S. A. Pothoven. 2010. *Dreissena* and the disappearance of the spring phytoplankton bloom in Lake Michigan. *J. Great Lakes Res.* 36:50–59.
- Vanderploeg, H. A., T. F. Nalepa, D. J. Jude, E. L. Mills, K. T. Holeck, J. R. Liebig, I. A. Grigorovich & H. Ojaveer. 2002. Dispersal and Emerging Ecological Impacts of Ponto-Caspian Species in the Laurentian Great Lakes. *Can. J. Fish. Aquat. Sci.* 59:1209–1228.
- Van der Velde, G., K. Hermus, M. van der Gaag & H. A. Jenner. 1992. Cadmium, Zinc and Copper in the Body, Byssus and Shell of the Mussels, *Mytilopsis leucophaea* and *Dreissena polymorpha* in the Brackish Noordzeekanaal of the Netherlands. *Limnol. Aktuell* 4:213–226.
- Van der Velde, G., B. G. P. Paffen, F. W. B. Vandenbrink, A. Bij de Vaate & H. A. Jenner. 1994. Decline of Zebra Mussel Populations in the Rhine: Competition Between 2 Mass Invaders (*Dreissena polymorpha* and *Corophium curvispinum*). *Naturwissenschaften* 81(1):32–34.
- Van der Velde, G. & D. Platvoet. 2007. Quagga Mussels *Dreissena rostriformis bugensis* (Andrusov, 1897) in the Main River (Germany). *Aquatic Invasions* 2(3):261–264.
- Vanhaelst, A. G., H. Loonen, F. W. M. Vanderwielen & H. A. J. Govers. 1996. Comparison of Bioconcentration Factors of Tetrachlorobenzyltoluenes in the Guppy (*Poecilia reticulata*) and Zebra Mussel (*Dreissena polymorpha*). *Chemosphere* 32(6):1117–1122.
- Vanhaelst, A. G., Q. Zhao, F. W. M. Vanderwielen, H. A. J. Govers & P. Devoogt. 1996. Determination of Bioconcentration Factors of Eight Tetrachlorobenzyltoluenes in the Zebra Mussel *Dreissena polymorpha*. *Ecotoxicol. Environ. Saf.* 34(1):35–42.
- Van Nes, E. H., R. Noordhuis, E. H. H. R. Lammens, R. Portieje, B. Reeze & E. T. M. Peeters. 2008. Modelling the Effects of Diving Ducks on Zebra Mussels *Dreissena polymorpha* in Lakes. *Ecol. Modell.* 211(3–4):481–490.
- Van Slooten, K. B. & J. Tarradellas. 1994. Accumulation, Depuration and Growth Effects of Tributyltin in the Freshwater Bivalve *Dreissena polymorpha* Under Field Conditions. *Environ. Toxicol. Chem.* 13(5):755–762.
- Vasi'ev, A. N., N. E. Zhuravel & T. G. Onisko. 1995. Biogeochemistry of *Dreissena* Shells from a Reservoir with Anomalous Thermal Conditions. *Dopovidi Natsionalnoyi Akademiyi Nauk Ukrainy* 8:145–147.
- Verween, A., M. Vincxa & S. Degraer. 2009. Comparative Toxicity of Chlorine and Peracetic Acid in the Biofouling Control of *Mytilopsis leucophaea* and *Dreissena polymorpha* Embryos (Mollusca, Bivalvia). *Int. Biodeterior. Biodegradation* 63(4):523–528.
- Vidal, M., P. B. Hamilton & F. R. Pick. 2004. Zebra Mussel (*Dreissena polymorpha*) Veliger Larvae: Distribution and Relationship to Phytoplankton Biomass and Composition in the Rideau River, Ontario, Canada. *Arch. Hydrobiol.* 161(1):113–131.
- Vincent-Hubert, F., A. Arini & C. Gourlay-France. 2011. Early Genotoxic Effects in Gill Cells and Haemocytes of *Dreissena polymorpha* Exposed to Cadmium, B[a]P and a Combination of B[a]P and Cd. *Mutat. Res. Genet. Toxicol. Environ. Mutagen.* 723(1):26–35.
- Vinogradov, G. A. & V. I. Martemyanov. 2004. Effect of Ecological Factors on Water-Salt Exchange in Zebra Mussel *Dreissena polymorpha* (Pall.): Effect of Changes in pH and Concentrations of Ions of K+ in Water. *Biol. Vnutrennikh Vod* 3:67–71.
- Vinogradov, G. A., V. I. Martemyanov & N. B. Shcheglova. 2004. Influence of Ecological Factors on Parameters of a Water-Salt Exchange of Zebra Mussel *Dreissena polymorpha* (Pall.): Effect of Water Temperature Change. *Biol. Vnutrennikh Vod* :62–66.
- Voets, J., L. Bervoets & R. Blust. 2004. Cadmium Bioavailability and Accumulation in the Presence of Humic Acid to the Zebra Mussel, *Dreissena polymorpha*. *Environ. Sci. Technol.* 38(4):1003–1008.
- Voets, J., E. S. Redeker, R. Blust & L. Bervoets. 2009. Differences in Metal Sequestration Between Zebra Mussels from Clean and Polluted Field Locations. *Aquat. Toxicol.* 93(1):53–60.
- Voets, J., W. Talloen, T. De Tender, S. Van Dongen, A. Covaci, R. Blust & L. Bervoets. 2006. Microcontaminant Accumulation, Physiological Condition and Bilateral Asymmetry in Zebra Mussels (*Dreissena polymorpha*) from Clean and Contaminated Surface Waters. *Aquat. Toxicol.* 79(3):213–225.
- Von Proschwitz, T. 1999. Some Remarks on the North European Freshwater Mussel Fauna, with Comments on the Species of the Genera *Unio* and *Dreissena*, and a Determination Key to the Large Freshwater Mussels of Northern Europe. *Fauna (Oslo)* 52(1):92–95.
- Von Proschwitz, T., K. A. Okland, P. Baagoe, L. Koli, J. Okland & I. Valovirta. 1995. A Further Supranational E.I.S.-Project in N. Europe: Mapping the Distribution of Large Freshwater Mussels (Margaritiferidae, Unionidae, Dreissenidae). *Mitteilungen Deutschen Malakozoologischen Gesellschaft* 56/57:51–52.
- Von Proschwitz, T., K. A. Okland & J. Okland. 1999. Mapping the Distribution of Large Freshwater Mussels: A Supranational Co-operation Project in Northern Europe. *Fauna (Oslo)* 52(1):89–91.
- Voroshilova, I. S., V. S. Artamonova, A. A. Makhrov & Y. V. Slyn'ko. 2010. Natural Hybridization of Two Mussel Species *Dreissena polymorpha* (Pallas, 1771) and *Dreissena bugensis* (Andrusov, 1897). *Biol. Bull.* 37(5):542–547.
- Wacker, A., P. Becher & E. Von Elert. 2002. Food Quality Effects of Unsaturated Fatty Acids on Larvae of the Zebra Mussel *Dreissena polymorpha*. *Limnol. Oceanogr.* 47(4):1242–1248.

- Wacker, A. & E. Von Elert. 2002. Strong Influences of Larval Diet History on Subsequent Post-Settlement Growth in the Freshwater Mollusc *Dreissena polymorpha*. *Proc. R. Soc. Lond. Ser. B Biol. Ser.* 269:2113–2119.
- Wacker, A. & E. Von Elert. 2003. Settlement Pattern of the Zebra Mussel, *Dreissena polymorpha*, as a Function of Depth in Lake Constance. *Arch. Hydrobiol.* 158(3):289–301.
- Wacker, A. & E. Von Elert. 2003. Food Quality Controls Reproduction of the Zebra Mussel (*Dreissena polymorpha*). *Oecologia* 135(3):332–338.
- Wacker, A. & E. Von Elert. 2004. Food Quality Controls Egg Quality of the Zebra Mussel *Dreissena polymorpha*: The Role of Fatty Acids. *Limnol. Oceanogr.* 49(5):1794–1801.
- Wacker, A. & E. Von Elert. 2008. Body Size and Food Thresholds for Zero Growth in *Dreissena polymorpha*: A Mechanism Underlying Intraspecific Competition. *Freshw. Biol.* 53(12):2356–2363.
- Wainman, B. C., S. S. Hincks, N. K. Kaushik & G. L. Mackie. 1996. Biofilm and Substrate Preference in the Dreissenid Larvae of Lake Erie. *Can. J. Fish. Aquat. Sci.* 53(1):134–140.
- Walker, G. K., M. G. Black & C. A. Edwards. 1996. Comparative Morphology of Zebra (*Dreissena polymorpha*) and Quagga (*Dreissena bugensis*) Mussel Sperm: Light and Electron Microscopy. *Can. J. Zool.* 74(5):809–815.
- Walker, J. U. & J. L. Ram. 1994. Effects of Deionized Water on Sensitivity of Zebra Mussels (*Dreissena polymorpha*) to Toxic Chemicals. *Comp. Biochem. Physiol. C Pharmacol. Toxicol. Endocrinol.* 107(3):353–358.
- Waller, D. L. & S. W. Fisher. 1998. Evaluation of Several Chemical Disinfectants for Removing Zebra Mussels from Unionid Mussels. *Prog. Fish. Cult.* 60(4):307–310.
- Waller, D. L., S. W. Fisher & H. Dabrowska. 1996. Prevention of Zebra Mussel Infestation and Dispersal During Aquaculture Operations. *Prog. Fish. Cult.* 58(2):77–84.
- Waller, D. L., J. J. Rach, W. G. Cope, L. L. Marking, S. W. Fisher & H. Dabrowska. 1993. Toxicity of Candidate Molluscicides to Zebra Mussels (*Dreissena polymorpha*) and Selected Nontarget Organisms. *J. Great Lakes Res.* 19(4):695–702.
- Walton, W. C. 1996. Occurrence of Zebra Mussel (*Dreissena polymorpha*) in the Oligohaline Hudson River, New York. *Estuaries* 19(3):612–618.
- Ward, J. M. & A. Ricciardi. 2007. Impacts of *Dreissena* Invasions on Benthic Macroinvertebrate Communities: A Meta-Analysis. *Divers. Distrib.* 13(2):155–165.
- Ware, L. L., S. A. Petrie, S. S. Badzinski & R. C. Bailey. 2011. Selenium Concentrations in Greater Scaup and Dreissenid Mussels During Winter on Western Lake Ontario. *Arch. Environ. Contam. Toxicol.* 61(2):292–299.
- Watermann, B., W. Kalbfus & V. Schacht. 1996. Sublethal Toxic Effects of Antifouling Agents on the Zebra Mussel *Dreissena polymorpha* of Lake Constance. *Zeitschrift Angewandte Zool.* 81(2):165–185.
- Watkins, J. M., R. Dermott, S. J. Lozano, E. L. Mills, L. G. Rudstam & J. V. Scharold. 2007. Evidence for Remote Effects of Dreissenid Mussels on the Amphipod *Diporeia*: Analysis of Lake Ontario Benthic Surveys, 1972–2003. *J. Great Lakes Res.* 33:642–657.
- Watzin, M. C., K. Joppe-Mercure, J. Rowder, B. Lancaster & L. Bronson. 2008. Significant Fish Predation on Zebra Mussels *Dreissena polymorpha* in Lake Champlain, U.S.A. *J. Fish Biol.* 73(7):1585–1599.
- Weihrauch, F. 1999. Larvae of *Gomphus vulgatissimus* (L.) Serving as a Substrate for the Zebra Mussel *Dreissena polymorpha* (Pallas) (Anisoptera: Gomphidae; Bivalvia: Dreissenidae). *Libellula* 18(1–2):97–102.
- Weihrauch, F. & J. Borchering. 2002. The Zebra Mussel, *Dreissena polymorpha* (Pallas), as an Epizoon of Anisopteran Larvae (Anisoptera: Gomphidae, Corduliidae, Libellulidae). *Odonatologica* 31(1):85–94.
- Werner, S., M. Mortl, H. G. Bauer & K. O. Rothhaupt. 2005. Strong Impact of Wintering Waterbirds on Zebra Mussel (*Dreissena polymorpha*) Populations at Lake Constance, Germany. *Freshw. Biol.* 50(8):1412–1426.
- Wesselingh, F. P. 1998. On the Differences Between *Dreissena* van Beneden, 1835 and *Mytilopsis* Conrad, 1858. *Correspond. Nederlandse Malacol. Vereniging* 302:52–54.
- Whittier, T. R., A. T. Herlihy & S. M. Pierson. 1995. Regional Susceptibility of Northeast Lakes to Zebra Mussel Invasion. *Fisheries (Bethesda, Md.)* 20(6):20–27.
- Whittier, T. R., P. L. Ringold, A. T. Herlihy & S. M. Pierson. 2008. A Calcium-Based Invasion Risk Assessment for Zebra and Quagga Mussels (*Dreissena* spp). *Front. Ecol. Environ.* 6(4):180–184.
- Wiesner, L., B. Gunther & C. Fenske. 2001. Temporal and Spatial Variability in the Heavy-Metal Content of *Dreissena polymorpha* (Pallas) (Mollusca: Bivalvia) from the Kleines Haff (Northeastern Germany). *Hydrobiologia* 443(1–3):137–145.
- Wiesner, L., W. H. Powell, S. I. Karchner, D. G. Franks, E. L. Cooper, M. E. Hahn & E. Kauschke. 2002. cDNA Cloning of Aryl Hydrocarbon Receptor (AHR) Homologs in Zebra Mussel (*Dreissena polymorpha*) and Blue Mussel (*Mytilus edulis*). *Mar. Environ. Res.* 54(3–5):314–315.
- Wilcox, S. J. & T. H. Dietz. 1995. Potassium-Transport in the Fresh-Water Bivalve *Dreissena polymorpha*. *J. Exp. Biol.* 198(4):861–868.
- Wilcox, S. J. & T. H. Dietz. 1998. Salinity Tolerance of the Freshwater Bivalve *Dreissena polymorpha* (Pallas, 1771) (Bivalvia, Dreissenidae). *Nautilus* 111(4):143–148.
- Wildridge, P. J., R. G. Werner, F. G. Doherty & E. F. Neuhauser. 1998. Acute Effects of Potassium on Filtration Rates of Adult Zebra Mussels, *Dreissena polymorpha*. *J. Great Lakes Res.* 24(3):629–636.
- Wildridge, P. J., R. G. Werner, F. G. Doherty & E. F. Neuhauser. 1998. Acute Toxicity of Potassium to the Adult Zebra Mussel *Dreissena polymorpha*. *Arch. Environ. Contam. Toxicol.* 34(3):265–270.
- Wilhelm, S. & R. Adrian. 2007. Long-Term Response of *Dreissena polymorpha* Larvae to Physical and Biological Forcing in a Shallow Lake. *Oecologia* 151(1):104–114.
- Wilke, T., R. Schultheiss, C. Albrecht, N. Bornmann, S. Trajanovski & T. Kevrekidis. 2010. Native *Dreissena* Freshwater Mussels in the Balkans: In and Out of Ancient Lakes. *Biogeosciences* 7(10):3051–3065.
- Willman, E. J., J. B. Manchester-Neesvig, C. Agrell & D. E. Armstrong. 1999. Influence of Ortho-Substitution Homolog Group on Polychlorobiphenyl Bioaccumulation Factors and Fugacity Ratios in Plankton and Zebra Mussels (*Dreissena polymorpha*). *Environ. Toxicol. Chem.* 18(7):1380–1389.
- Wilson, A. B., E. G. Boulding & K. A. Naish. 1999. Characterization of Tri- and Tetranucleotide Microsatellite Loci in the Invasive Mollusc *Dreissena bugensis*. *Mol. Ecol.* 8(4):692–693.
- Wilson, A. B., K. A. Naish & E. G. Boulding. 1999. Multiple Dispersal Strategies of the Invasive Quagga Mussel (*Dreissena bugensis*) as Revealed by Microsatellite Analysis. *Can. J. Fish. Aquat. Sci.* 56(12):2248–2261.

- Wilson, A. E. 2003. Effects of Zebra Mussels on Phytoplankton and Ciliates: A Field Mesocosm Experiment. *J. Plankton Res.* 25(8):905–915.
- Wilson, A. E. & O. Sarnelle. 2002. Relationship Between Zebra Mussel Biomass and Total Phosphorus in European and North American Lakes. *Arch. Hydrobiol.* 153(2):339–351.
- Wilson, K. A., E. T. Howell & D. A. Jackson. 2006. Replacement of Zebra Mussels by Quagga Mussels in the Canadian Nearshore of Lake Ontario: The Importance of Substrate, Round Goby Abundance, and Upwelling Frequency. *J. Great Lakes Res.* 32(1):11–28.
- Wimbush, J. M. E. Frischer, J. W. Zarzynski & S. A. Nierzwicki-Bauer. 2009. Eradication of Colonizing Populations of Zebra Mussels (*Dreissena polymorpha*) by Early Detection and Scuba Removal: Lake George, NY. *Aquatic Conserv. Mar. Freshw. Ecosyst.* 19(6):703–713.
- Winkler, G., P. Sirois, L. E. Johnson & J. J. Dodson. 2005. Invasion of an Estuarine Transition Zone by *Dreissena polymorpha* Veligers Had No Detectable Effect on Zooplankton Community Structure. *Can. J. Fish. Aquat. Sci.* 62(3):578–592.
- Winters, A. D., T. L. Marsh & M. Faisel. 2010. Bacterial Assemblages Associated with Zebra Mussels (*Dreissena polymorpha*) Populations in the Laurentian Great Lakes Basin (USA). *J. Shellfish Res.* 29(4):985–987.
- Winters, A. D., T. L. Marsh & M. Faisal. 2011. Heterogeneity of Bacterial Communities Within the Zebra Mussel (*Dreissena polymorpha*) in the Laurentian Great Lakes Basin. *J. Great Lakes Res.* 37(2):318–324.
- Wisenden, P. A. & R. C. Bailey. 1995. Development of Macroinvertebrate Community Structure Associated with Zebra Mussel (*Dreissena polymorpha*) Colonization of Artificial Substrates. *Can. J. Zool.* 73(8):1438–1443.
- Wisniewski, R. 1989. New Methods for Recording Activity Pattern of Bivalves: A Preliminary Report on *Dreissena polymorpha* Pallas During Ecological Stress. *Proc. Int. Malacol. Congress* 10(2):363–365.
- Wisniewski, R. 1990. Shoals of *Dreissena polymorpha* as Bioprocessor of Seston. *Hydrobiologia* 200:451–458.
- Wisniewski, R. 1992. *Dreissena polymorpha* Pallas in the Wloclawek Reservoir: Its Ability to Survive During Exposure to Air. *Proc. Int. Malacol. Congress* 9:403–406.
- Wittmann, M., C. Sudeep, A. Caires, M. Rosen, T. Tietjen, M. Denton, W. H. Wong, K. Turner, P. Roefer & G. C. Holdren. 2010. Early Invasion Population Structure of Quagga Mussel and Associated Benthic Invertebrate Community Composition on Soft Sediment in a Large Reservoir. *Lake Reservoir Manage.* 26:316–327.
- Wojtal-Frankiewicz, A. & P. Frankiewicz. 2011. The Impact of Pelagic (*Daphnia longispina*) and Benthic (*Dreissena polymorpha*) Filter Feeders on Chlorophyll and Nutrient Concentration. *Limnologia* 41(3):191–200.
- Wojtal-Frankiewicz, A., A. Siczko, K. Izydorczyk, T. Jurczak & P. Frankiewicz. 2010. Competitive Influence of Zebra Mussel (*Dreissena polymorpha*) on *Daphnia longispina* Population Dynamics in the Presence of Cyanobacteria. *Int. Rev. Hydrobiol.* 95(4–5):313–329.
- Wolnomiejski, N. & A. Wozniczka. 2008. A Drastic Reduction in Abundance of *Dreissena polymorpha* Pall. in the Skoszewska Cove (Szczecin Lagoon, River Odra Estuary): Effects in the Population and Habitat. *Ecological Questions* 9:103–111.
- Wong, W. H. & S. L. Gerstenberger. 2011. Quagga Mussels in the Western United States: Monitoring and Management. *Aquatic Invasions* 6(2):125–129.
- Wong, W. H., S. L. Gerstenberger, J. M. Miller, C. J. Palmer & B. Moore. 2011. A Standardized Design for Quagga Mussel Monitoring in Lake Mead, Nevada–Arizona. *Aquatic Invasions* 6(2):205–215.
- Wong, W. H. & J. S. Levinton. 2005. Consumption Rates of Two Rotifer Species by Zebra Mussels *Dreissena polymorpha*. *Mar. Freshw. Behav. Physiol.* 38(3):149–157.
- Wong, W. H., J. S. Levinton, B. S. Twining & N. Fisher. 2003. Assimilation of Micro- and Mesozooplankton by Zebra Mussels: A Demonstration of the Food Web Link Between Zooplankton and Benthic Suspension Feeders. *Limnol. Oceanogr.* 48(1):308–312.
- Wong, W. H., T. Tietjen, S. Gerstenberger, C. Holdren, S. Muetting, E. Loomis, P. Roefer, K. Turner & B. Moore. 2010. Potential Ecological Consequences of Invasion of the Quagga Mussel (*Dreissena bugensis* Andrusov 1897) into Lake Mead, Nevada–Arizona, USA. *Lake Reservoir Manage.* 26:306–315.
- Wormington, A. & J. H. Leach. 1992. Concentrations of Migrant Diving Ducks at Point Pelee National Park, Ontario, in Response to Invasion of Zebra Mussels, *Dreissena polymorpha*. *Can. Field Nat.* 106(3):376–380.
- Woznicki, P. 2005. Chromosome Aberrations Induction in Freshwater Mussel *Dreissena polymorpha* on 3-Methylcholanthrene Exposure. *Pol. J. Environ. Stud.* 14(6):837–840.
- Woznicki, P. & A. Boron. 2003. Banding Chromosome Patterns of Zebra Mussel *Dreissena polymorpha* (Pallas) from the Heated Konin Lakes System (Poland). *Caryologia* 56(4):427–430.
- Wright, D. A. & J. A. Magee. 1997. The Toxicity of Endod Extract to the Early Life Stages of *Dreissena bugensis*. *Biofouling* 11(4):255–263.
- Wright, D. A., E. M. Setzlerhamilton, J. A. Magee & H. R. Harvey. 1996. Laboratory Culture of Zebra (*Dreissena polymorpha*) and Quagga (*D. bugensis*) Mussel Larvae Using Estuarine Algae. *J. Great Lakes Res.* 22(1):46–54.
- Wright, D. A., E. M. Setzlerhamilton, J. A. Magee, V. S. Kennedy & S. P. McIninch. 1996. Effect of Salinity and Temperature on Survival and Development of Young Zebra (*Dreissena polymorpha*) and Quagga (*Dreissena bugensis*) Mussels. *Estuaries* 19(3):619–628.
- Wu, L. & D. A. Culver. 1991. Zooplankton Grazing and Phytoplankton Abundance: An Assessment Before and After Invasion of *Dreissena polymorpha*. *J. Great Lakes Res.* 17(4):425–436.
- Xu, W. & M. Faisal. 2007. Matrilin-Like Molecules Produced by Circulating Hemocytes of the Zebra Mussel (*Dreissena polymorpha*) Upon Stimulation. *Dev. Comp. Immunol.* 31(12):1205–1210.
- Xu, W. & M. Faisal. 2008. Putative Identification of Expressed Genes Associated with Attachment of the Zebra Mussel (*Dreissena polymorpha*). *Biofouling* 24(3):157–161.
- Xu, W. & M. Faisal. 2009. Development of a cDNA Microarray of Zebra Mussel (*Dreissena polymorpha*) Foot and Its Use in Understanding the Early Stage of Underwater Adhesion. *Gene* 436(1–2):71–80.
- Xu, W. & M. Faisal. 2009. Identification of the Molecules Involved in Zebra Mussel (*Dreissena polymorpha*) Hemocytes Host Defense. *Comp. Biochem. Physiol. B Biochem. Mol. Biol.* 154(1):143–149.
- Xu, W. & M. Faisal. 2010. Defensin of the Zebra Mussel (*Dreissena polymorpha*): Molecular Structure, *in Vitro* Expression, Antimicrobial Activity, and Potential Functions. *Mol. Immunol.* 47(11–12):2138–2147.
- Xu, W. & M. Faisal. 2010. Gene Expression Profiling During the Bysso-genesis of Zebra Mussel (*Dreissena polymorpha*). *Mol. Genet. Genomics* 283(4):327–339.
- Yakovleva, A. V. & V. A. Yakovlev. 2011. Impact of *Dreissena polymorpha* and *Dreissena bugensis* on Zoobenthos Structure in the Upper Reaches of the Kuybyshev Water Reservoir, Russia. *Russkii Zhurnal Biol.* 3:105–118.

- Yanovych, L. N. & M. M. Pampura. 2010. New Finds of Zebra and Quagga Mussels (Mollusca, Bivalvia) in Water Bodies and Stream of Ukraine. *Vestnik Zool.* 44(4):300.
- Yanovych, L. N. & M. M. Pampura. 2011. The Co-existence of Unionidae and Dreissenidae in Water Reservoirs and Water Streams in Ukraine. *Visnyk Lvivskoho Univ. Seriya Biologichna* 56:177–185.
- Young, B. L., D. K. Padilla, D. W. Schneider & S. W. Hewett. 1996. The Importance of Size–Frequency Relationships for Predicting Ecological Impact of Zebra Mussel Populations. *Hydrobiologia* 332(3):151–158.
- Young, J. D., J. G. Winter & L. Molot. 2011. A Reevaluation of the Empirical Relationships Connecting Dissolved Oxygen and Phosphorus Loading After Dreissenid Mussel Invasion in Lake Simcoe. *J. Great Lakes Res.* 37(Suppl. 3):7–14.
- Yu, N. & D. A. Culver. 1999. Estimating the Effective Clearance Rate and Refiltration by Zebra Mussels, *Dreissena polymorpha*, in a Stratified Reservoir. *Freshw. Biol.* 41(3):481–492.
- Yu, N. & D. A. Culver. 1999. *In Situ* Survival and Growth of Zebra Mussels (*Dreissena polymorpha*) Under Chronic Hypoxia in a Stratified Lake. *Hydrobiologia* 392(2):205–215.
- Yu, N. & D. A. Culver. 2000. Can Zebra Mussels Change Stratification Patterns in a Small Reservoir? *Hydrobiologia* 431(2–3):175–184.
- Yurishinets, V. I., Y. S. Ivasyuk & N. A. Krasutskaya. 2007. Experimental Infection of *Dreissena polymorpha* (Bivalvia: Dreissenidae) Settled in the Cooling Pond of Kmelnitsk NPP by *Infusorium Conchophthirus acuminatus* (Ciliophora: Oligohymenophorea). *Gidrobiologicheskii Zhurnal* 43(5):110–118.
- Yurishinets, V. I., Y. S. Ivasyuk & N. A. Krasutskaya. 2008. Experimental Infestation of the Mollusk *Dreissena polymorpha* (Bivalvia: Dreissenidae) by the Ciliate *Conchophthirus acuminatus* (Ciliophora: Oligohymenophorea). *Hydrobiol. J.* 44(1):104–112.
- Zaiko, A., D. Daunys & S. Olenin. 2009. Habitat Engineering by the Invasive Zebra Mussel *Dreissena polymorpha* (Pallas) in a Boreal Coastal Lagoon: Impact on Biodiversity. *Helgol. Mar. Res.* 63(1):85–94.
- Zaiko, A., R. Paskauskas & A. Krevs. 2010. Biogeochemical Alteration of the Benthic Environment by the Zebra Mussel *Dreissena polymorpha* (Pallas). *Oceanologia* 52(4):649–667.
- Zanatta, D. T., G. L. Mackie, J. L. Metcalfe-Smith & D. A. Woolnough. 2002. A Refuge for Native Freshwater Mussels (Bivalvia: Unionidae) from Impacts of the Exotic Zebra Mussel (*Dreissena polymorpha*) in Lake St. Clair. *J. Great Lakes Res.* 28(3):479–489.
- Zapkuviene, D. 1996. Anthropogenic Impact on Genetical Structure of *Dreissena polymorpha* Pallas Populations in Inland Waters of Lithuania. *Biologija (Vilnius)* 2:94–96.
- Zapkuviene, D. V. & E. R. Nakrevich. 1989. Genetic Variability of the Bivalve Mollusk *Dreissena polymorpha* Pallas in the Cooling Reservoirs of Electric Power Plants and in the Monitor Lake Dringis Lithuanian SSR USSR: 1. Genetic Structure of the *Dreissena* Population and Its Activity in the Cooling Reservoir of the Lithuanian State Regional Electric Power Plant. *Lietuvos Tsr Mokslu Akademijos Darbai Serija C Biologijos Mokslai* 4:121–130.
- Zettler, M. L. 1999. On the Distribution and Ecology of Unionids, Dreissenids and Sphaeriids in Lotic Waters of Mecklenburg-Pomerania (Bivalvia: Unionidae, Dreissenidae and Sphaeriidae). *Heldia* 4:21–32.
- Zhang, H., D. A. Culver & L. Boegman. 2008. A Two-Dimensional Ecological Model of Lake Erie: Application to Estimate Dreissenid Impacts on Large Lake Plankton Populations. *Ecol. Modell.* 214(2–4):219–241.
- Zhang, H., D. A. Culver & L. Boegman. 2011. Dreissenids in Lake Erie: An Algal Filter or a Fertilizer? *Aquatic Invasions* 6(2):175–194.
- Zhang, Y., S. E. Stevens & T. Y. Wong. 1998. Factors Affecting Rearing of Settled Zebra Mussels in a Controlled Flow-Through System. *Prog. Fish. Cult.* 60(3):231–235.
- Zhokhov, A. E. 2001. Studies of Transition to Feeding the Mollusk *Dreissena polymorpha* (Bivalvia, Dreissenidae) in Cyprinid Fishes from the Rybinsk Reservoir with Use of the Parasite *Aspidogaster limacoides* (Aspidogastrea, Aspidogastreae). *Vopr. Ikhtiol.* 41(5):651–655.
- Zhu, B., D. G. Fitzgerald, C. M. Mayer, L. G. Rudstam & E. L. Mills. 2006. Alteration of Ecosystem Function by Zebra Mussels in Oneida Lake: Impacts on Submerged Macrophytes. *Ecosystems (N. Y.)* 9(6):1017–1028.
- Zhu, B., C. M. Mayer, S. A. Heckathorn & L. G. Rudstam. 2007. Can Dreissenid Attachment and Biodeposition Affect Submerged Macrophyte Growth? *J. Aquat. Plant Manage.* 45:71–76.
- Zhulidov, A. V., T. F. Nalepa, A. V. Kozhara, D. A. Zhulidov & T. Y. Gurtovaya. 2006. Recent Trends in Relative Abundance of Two Dreissenid Species, *Dreissena polymorpha* and *Dreissena bugensis* in the Lower Don River System, Russia. *Arch. Hydrobiol.* 165(2):209–220.
- Zhulidov, A. V., A. V. Kozhara, G. H. Scherbina, T. F. Nalepa, A. Protasov, S. A. Afanasiev, E. G. Pryanichnikova, D. A. Zhulidov, T. Y. Gurtovaya & D. F. Pavlov. 2010. Invasion History, Distribution, and Relative Abundances of *Dreissena bugensis* in the Old World: A Synthesis of Data. *Biol. Invasions* 12(7):1923–1940.
- Zhulidov, A. V., D. F. Pavlov, T. F. Nalepa, G. H. Scherbina, D. A. Zhulidov & T. Y. Gurtovaya. 2004. Relative Distributions of *Dreissena bugensis* and *Dreissena polymorpha* in the Lower Don River System, Russia. *Int. Rev. Hydrobiol.* 89(3):326–333.
- Zhulidov, A. V., D. A. Zhulidov, D. F. Pavlov, T. F. Nalepa & T. Y. Gurtovaya. 2005. Expansion of the Invasive Bivalve Mollusk *Dreissena bugensis* (Quagga Mussel) in the Don and Volga River Basins: Revisions Based on Archived Specimens. *Ecohydrol. Hydrobiol.* 5(2):127–133.
- Zielinski, R., M. Soroka, K. Polok & M. Swierczynski. 2000. Genetic Variability of *Dreissena polymorpha* (Pallas) Populations from Western Pomerania, Poland. *Pol. Arch. Hydrobiol.* 47(2):315–327.
- Zielinski, R., M. Soroka & M. Wachowiak-Zielinska. 1996. Genetic Variability in Selected Polish Population of *Dreissena polymorpha* (Pallas) (Bivalvia: Dreissenidae). *J. Appl. Genet.* 37(1):105–120.
- Zimmermann, S., F. Alt, J. Messerschmidt, A. Von Bohlen, H. Taraschewski & B. Sures. 2002. Biological Availability of Traffic-Related Platinum-Group Elements (Palladium, Platinum, and Rhodium) and Other Metals to the Zebra Mussel (*Dreissena polymorpha*) in Water Containing Road Dust. *Environ. Toxicol. Chem.* 21(12):2713–2718.
- Zimmermann, S., J. Messerschmidt, A. Von Bohlen & B. Sures. 2005. Uptake and Bioaccumulation of Platinum Group Metals (Pd, Pt, Rh) from Automobile Catalytic Converter Materials by the Zebra Mussel (*Dreissena polymorpha*). *Environ. Res.* 98(2):203–209.
- Zorpette, G. 1996. Mussel Mayhem: Continued Apparent Benefits of the Zebra Mussel Plague Are Anything But. *Sci. Am.* 275(2):22–23.
- zu Ermgassen, P. S. E. & D. C. Aldridge. 2010. The Zebra Mussel (*Dreissena polymorpha*) Impacts European Bitterling (*Rhodeus amarus*) Load in a Host Freshwater Mussel (*Unio pictorum*). *Hydrobiologia* 654(1):83–92.
- zu Ermgassen, P. S. E. & D. C. Aldridge. 2011. Predation by the Invasive American Signal Crayfish, *Pacifastacus leniusculus* Dana, on the Invasive Zebra Mussel, *Dreissena polymorpha* Pallas: The Potential for Control and Facilitation. *Hydrobiologia* 658(1):303–315.



- Zupan, I. & M. Kalafatic. 2003. Histological Effects of Low Atrazine Concentration on Zebra Mussel (*Dreissena polymorpha* Pallas). *Bull. Environ. Contam. Toxicol.* 70(4):688–695.
- Zuykov, M., E. Pelletier, C. Rouleau, L. Popov, S. W. Fowler & M. Orlova. 2009. Autoradiographic Study on the Distribution of Am-241 in the Shell of the Freshwater Zebra Mussel *Dreissena polymorpha*. *Mikrochim. Acta* 167(3–4):173–178.

#### THESES

- Aggarwal, S. 1995. Population dynamics of the zebra mussel (*Dreissena polymorpha*) in the Illinois River. MS thesis, University of Illinois.
- Albers, M. C. 1998. Identifying the ability of the zebra mussel (*Dreissena polymorpha*) to survive and bioprocess swine waste from the water column. MS thesis, Southern Illinois University.
- Allison, V. 1995. Population dynamics and mortality of dreissenid (*Dreissena* spp.) larvae in eastern Lake Erie. MS thesis, University of Toronto.
- Anderson, K. E. 1995. Isolation and characterization of a DOPA-containing protein from the foot of the quagga mussel *Dreissena bugensis* (Andrusov). MS thesis, University of Delaware.
- Anderson, K. E. 1999. Cloning, expression, and immunolocalization of a byssal precursor protein from the zebra mussel, *Dreissena polymorpha* (Pallas). PhD diss., University of Delaware.
- Angarano, M. 2007. Efficacy of selected natural and synthetic novel organic compounds in prevention of zebra mussel (*Dreissena polymorpha*) macrofouling by byssal attachment inhibition. PhD diss., University of Texas.
- Antheunisse, L. J. 1963. Neurosecretory phenomena in the zebra mussel *Dreissena polymorpha* Pallas. Zugl. diss., Vrije Universiteit te Amsterdam.
- Armenio, P. 2011. Nutrient contributions from *Dreissena* spp. to *Lyngbya wollei* and *Cladophora glomerata*. MS thesis, University of Toledo.
- Arnott, D. L. 1995. Nutrient cycling by the zebra mussel (*Dreissena polymorpha*): potential effects on lake food webs. MS thesis, Miami University, Ohio.
- Atanasoff, M. J. 1993. Pentachlorophenol (PCP) as a reference toxicant with the zebra mussel, *Dreissena polymorpha*: effects of pH and temperature on acute toxicity and accumulation kinetics. MS thesis, Ohio State University.
- Babcock-Jackson, L. 1995. Determining biological activity of Capsaicin to the zebra mussel *Dreissena polymorpha*. MS thesis, Ohio State University.
- Bailey, J. E. 1993. Investigations into the mechanism of action of potassium toxicity in the zebra mussel, *Dreissena polymorpha*. MS thesis, Ohio State University.
- Bambakidis, T. 2005. Benthic invertebrate food selectivity in northern Lake Michigan following the invasion of dreissenid mussels (*Dreissena polymorpha* and *D. bugensis*). Honors thesis, Ohio State University.
- Bauer, C. R. 2003. Ecological interactions among the “exotic triad” Eurasian ruffe (*Gymnocephalus cernuus*), round gobies (*Neogobius melanostomus*), and zebra mussels (*Dreissena polymorpha*), and their effects on native yellow perch (*Perca flavescens*). PhD diss., University of Notre Dame.
- Benning, L. A. 1997. Benthic invertebrate community responses to round goby (*Neogobius melanostomus*) and zebra mussel (*Dreissena polymorpha*) invasion in Southern Lake Michigan. MS thesis, Loyola University of Chicago.
- Bially, A. W. 1998. Distribution of *Dreissena* spp. on soft substrates in western Lake Erie and their impact on benthic invertebrate communities. MS thesis, University of Windsor.
- Bidwell, J. R. 1993. Control strategies for the zebra mussel, *Dreissena polymorpha*, and the Asian clam, *Corbicula fluminea*: Comparative stress responses and nontarget impact. PhD diss., Virginia Polytechnic Institute and State University.
- Birkett, K. M. 2011. An analysis of spatial and temporal changes in fish and benthic macroinvertebrate communities associated with zebra mussel (*Dreissena polymorpha*) abundance in the Huron River, southeastern Michigan. MS thesis, University of Michigan.
- Bitterman, A. M. 1992. Comparative growth and mortality rates of the zebra mussel, *Dreissena polymorpha*, from two sites in Lake St. Clair. MS thesis, Oakland University.
- Bodamer, B. L. 2007. The effects of wetland streams on the secondary dispersal of zebra mussels (*Dreissena polymorpha*) in connected lake-stream systems. MS thesis, University of Toledo.
- Boeckman, C. J. 2011. Characterizing zebra mussel (*Dreissena polymorpha*) condition, populations, and community effects in Oklahoma habitats. PhD diss., Oklahoma State University.
- Boles, L. C. 1996. Potential for population regulation of the zebra mussel, *Dreissena polymorpha*, in the Hudson River. MA thesis, College of William and Mary.
- Bombich, M. P. 2001. Size refuge limits short-term round goby effects on dreissenid mussels in Lake Erie mesocosms. MS thesis, Bowling Green State University.
- Bossenbroek, J. 1999. Modeling the dispersal of *Dreissena polymorpha* (zebra mussel) into the inland lakes of the western Great Lakes region using a gravity model. MS thesis, University of Wisconsin.
- Bowman, M. F. 1997. The potential for zebra mussels (*Dreissena polymorpha*) to alter lower food web dynamics: a mesocosm approach. MS thesis, University of Western Ontario.
- Brady, V. J. 1996. Zebra mussels (*Dreissena polymorpha*) in a Great Lakes coastal marsh: population dynamics and effects on the invertebrates. PhD diss., Michigan State University.
- Brence, W. A. 1997. The seasonal cycling of zebra mussel (*Dreissena polymorpha*, Pallas) physiology and habitat in the Ohio River. MS thesis, University of Cincinnati.
- Brooks, A. A. 1997. Relationships between toxic metal concentrations from zebra mussel wastes and proximity to selected Lake Erie shipwrecks. MA thesis, University of Windsor.
- Bruesewitz, D. 2008. The effects of invasive zebra mussels (*Dreissena polymorpha*) on nitrogen cycling in freshwater ecosystems of the midwestern United States. PhD diss., University of Notre Dame.
- Bruner, K. A. 1993. Bioconcentration and trophic transfer of lipophilic contaminants by the zebra mussel, *Dreissena polymorpha*: the role of lipid content, body size, and route of exposure. PhD diss., Ohio State University.
- Bunk, H. J. 1996. Growth variation in *Dreissena polymorpha* in three Wisconsin lakes. MS thesis, University of Wisconsin at Green Bay.

- Burkart, G. A. 1999. Habitat use and nutrient release by native (*Gammarus fasciatus*) and exotic (*Echinogammarus ischnus*) amphipods in western Lake Erie: assessing the influence of the exotic zebra mussel (*Dreissena polymorpha*). MS thesis, Wright State University.
- Bykova, O. 2006. Do zebra mussels (*Dreissena polymorpha*) alter the water chemistry in a way that favours *Microcystis*? MS thesis, Ryerson University.
- Carey, J. 2009. Stopping the spread: examining the effectiveness of policies in the Mississippi River basin aimed at preventing the spread of zebra mussels. MS thesis, Oklahoma State University.
- Cawein, J. 1993. Zebra mussel aggregation and migration: a study of mobility and micro-habitat site selection by the invading mollusc *Dreissena polymorpha*. MS thesis, Northwestern University.
- Cha, Y. K. 2011. Load reduction and invasive mussel effects on eutrophication dynamics in Saginaw Bay, Lake Huron. PhD diss., Duke University.
- Chase, M. E. 1996. Population dynamics, production and resource allocation in the zebra mussel, *Dreissena polymorpha*, from the lower Great Lakes, Canada. PhD diss., University of Western Ontario.
- Chase-Off, R. A. 1996. Effects of prolonged starvation on the zebra mussel, *Dreissena polymorpha* (Pallas). MS thesis, University of Texas at Arlington.
- Chordas, S. W., III. 2000. Investigations into acute potassium intoxication in the introduced freshwater bivalves *Dreissena polymorpha* and *Corbicula fluminea*. PhD diss., Ohio State University.
- Chu, H.-H. 2000. The use of wavelet analysis to assess the valve-movement response data of *Corbicula fluminea* and *Dreissena polymorpha* to environmental change. MS thesis, University of Illinois.
- Clarke, M. 1993. Freeze sensitivity of the zebra mussel (*Dreissena polymorpha*) with reference to dewatering during freezing conditions as a mitigation strategy. MS thesis, University of Texas.
- Clarke, M. 1996. Factors affecting byssal thread production and the cost of byssogenesis in the zebra mussel, *Dreissena polymorpha* (Pallas). PhD diss., University of Texas.
- Claxton, W. T. 1998. Molecular systematics and ecology of deep and shallow water populations of *Dreissena polymorpha* and *Dreissena bugensis* in Lake Erie. PhD diss., University of Guelph.
- Coffman, C. D. 1995. Characteristics of the 1990–1994 zooplankton community at a sample location in Lake Michigan near Michigan City, Indiana, with emphasis on zebra mussel (*Dreissena polymorpha*) dynamics. MS thesis, Ball State University.
- Comeau, S. R. 2011. Colonization and decontamination of quagga mussels in the western United States: monitoring veligers in Lake Mead and field testing the effects of hot-water spray as a means of watercraft decontamination. MPH thesis, University of Nevada at Las Vegas.
- Cottrell, C. M. 2000. Zebra mussel adhesion and aspects of its prevention using copper. PhD diss., University of Toronto.
- Dauberschmidt, C. 1995. Organophosphorus pesticides in the freshwater mollusc *Dreissena polymorpha*. PhD diss., Eidgenössische Technische Hochschule Zuerich.
- Daugherty, C. M. 1996. Investigation of the impacts of zebra mussels (*Dreissena polymorpha*) using a dynamic reservoir model. MS thesis, Ohio State University.
- Dean, D. M. 1994. Investigations of biodeposition by *Dreissena polymorpha*. MS thesis, University of Guelph.
- DeGirolamo, D. J. 1992. Inactivation of adult zebra mussels (*Dreissena polymorpha*) by chlorination. MS thesis, State University of New York.
- Deng, Y. 1996. Present and expected economic costs of zebra mussel damages to water users with Great Lakes water intakes. PhD diss., Ohio State University.
- Denson, D. R. 1994. The timing and characteristics of reproduction in the zebra mussel *Dreissena polymorpha* (Pallas, 1771). MS thesis, University of Southern Mississippi.
- DeVanna, K. M. 2006. Role of *Dreissena* as ecosystem engineers: effects to native bioturbators and benthic community structure and function. MS thesis, University of Toledo.
- DeWaard, J. 1999. The effects of *Dreissena polymorpha* on young of the year alewives and gizzard shad populations in western basin of Lake Erie. BA paper, University of Windsor.
- Dobson, E. P. 1995. Biodeposition and uptake of polychlorinated biphenyls and cadmium by the zebra mussel (*Dreissena polymorpha*). MS thesis, University of Guelph.
- Doka, S. E. 1995. Spatio-temporal dynamics and environmental prediction of recruitment in *Dreissena* populations of Lake Erie. MS thesis, University of Guelph.
- Dunn, T. N. 2011. Analysis of water clarity, dissolved oxygen, total ammonia, total phosphorus, and chlorophyll *a* of Oologah Lake, Oklahoma, after zebra mussel (*Dreissena polymorpha*) invasion. MS thesis, Oklahoma State University.
- Durand-Hoffman, M. E. 1995. Analysis of physiological and toxicological effects of potassium on *Dreissena polymorpha* and toxicological effects on fish. MS thesis, Ohio State University.
- Eddington, N. D. 1996. Partial oligonucleotide sequence of a mussel byssal precursor protein, *Dreissena polymorpha* foot protein. MS thesis, University of Delaware.
- Edwards, W. J. 2002. Impacts of the zebra mussel (*Dreissena polymorpha*) on large lakes: influence of vertical turbulent mixing. PhD diss., Ohio State University.
- Elderkin, C. L. 2001. Adaptation to local temperature environments in zebra mussel, *Dreissena polymorpha*, populations along the latitudinal gradient formed by the Mississippi River. PhD diss., University of Louisiana.
- Etherington, M. D. 2002. Influence of sedimentological factors on the distribution of *Diporeia* and *Dreissena* species in Lake Ontario. Honors thesis, Hobart and William Smith Colleges.
- Fagan, T. M. 2011. Dissolved oxygen tolerances of post-veliger Dreissenids. MS thesis, Bowling Green State University.
- Fallis, L. 2007. Identification and distribution of carbohydrates on the surface of gametes in the zebra mussel, *Dreissena polymorpha*. MS thesis, Texas Christian University.
- Farsad, N. 2010. Ultrastructural and histochemical characterization of the zebra mussel adhesive apparatus. MS thesis, University of Toronto.
- Freeman, K. J. 1999. The effects of zebra and quagga mussels (*Dreissena* spp.) on survival, growth, and condition of burrowing mayflies (*Hexagenia* spp.) in western Lake Erie. MS thesis, Miami University.
- Genovese, E. E. 1995. The effects of *Bacillus* species on adult and larval zebra mussels (*Dreissena polymorpha*). MS thesis, Western Illinois University.
- Gergs R. 2009. *Dreissena polymorpha* in Lake Constance: an example of a keystone engineer? PhD diss., Konstanz University.

- Gilbert, T. 2010. Investigation of the protein components of the zebra mussel (*Dreissena polymorpha*) byssal adhesion apparatus MS thesis, University of Toronto, Canada.
- Gillis, P. L. 1993. The impact of *Dreissena polymorpha* on populations of Unionidae and their effect on the host unionids' filtration activity and growth rate in Lake St. Clair. MS thesis, University of Guelph.
- Goldenstein, T. A. 1996. Partitioning of hydrophobic contaminants by algae and assimilation by zebra mussels (*Dreissena polymorpha*). MS thesis, Ohio State University.
- Graham, D. M. 1993. Growth and diet of juvenile yellow perch (*Perca flavescens*) and white perch (*Morone americana*) during zebra mussel (*Dreissena polymorpha*) establishment in western Lake Erie. MS thesis, University of Toronto.
- Granberg, J. E. 2004. Effects of zebra mussel (*Dreissena polymorpha*) infestation on genetic diversity of two native mussel species (*Amblema plicata* and *Pyganodon grandis*). MS thesis, Western Illinois University.
- Gray, M. S. 2005. Natural and human-mediated dispersal of zebra mussels (*Dreissena polymorpha*) in the upper Susquehanna River basin of New York. MA thesis, State University of New York College.
- Grazio, J. L. 2010. Evaluation of winter lake drawdown as a strategy to control zebra mussels (*Dreissena polymorpha*). MS thesis, Edinboro University of Pennsylvania.
- Giuliano, A. 2011. Effects of zebra mussel invasion on juvenile steelhead distribution, diet, growth, and condition in the Muskegon River, Michigan. MS thesis, University of Michigan.
- Hall, A. D. 1998. The effects of temperature, oxygen tension, and mussel size on oxygen uptake rates of the zebra mussel, *Dreissena polymorpha*. MS thesis, North Carolina Agricultural and Technical State University.
- Hallac, D. E. 1999. Conservation of unionid mussels threatened by zebra mussels (*Dreissena polymorpha*) in Lake Champlain, VT: an examination of species vulnerability, conservation strategies, and causal mechanisms of stress. MS thesis, University of Vermont.
- Hamilton, D. J. 1992. The relationship between two predator groups, diving ducks and fish, and a novel prey item, the zebra mussel (*Dreissena polymorpha*), in Lake Erie at Point Pelee, Ontario. MS thesis, University of Western Ontario.
- Heiney, J. 1999. Molecular biology of proteins involved in reproduction and development of the zebra mussel, *Dreissena polymorpha*. MS thesis, Wayne State University.
- Hernandez, M. R. 1995. Thermal response and tolerance in the introduced freshwater bivalve, *Dreissena polymorpha* (zebra mussel). MS thesis, University of Texas.
- Higgins, S. N. 2005. Modeling the growth dynamics of *Cladophora* in Eastern Lake Erie. PhD diss., University Waterloo.
- Hincks, S. S. 1995. Environmental variables limiting the survival, growth and reproductive success of *Dreissena polymorpha*. MS thesis, University of Guelph.
- Homsher, M. T. 2000. Time-integrated contaminant monitoring in an aquatic ecosystem using semipermeable membrane devices and *Dreissena polymorpha*. PhD diss., University of Toledo.
- Horgan, M. J. 1996. Filter feeding biology of the zebra mussel (*Dreissena polymorpha*) and effects of reduced phytoplankton on *Daphnia* reproduction in Oneida Lake, New York. MS thesis, Cornell University.
- Horvath, T. G. 1997. Dispersal and ecological impact of zebra mussels, *Dreissena polymorpha* (Pallas), in coupled lake-stream systems. PhD diss., University of Notre Dame.
- Hubers, A. N. 1998. Sequence divergence and species distinguishing markers in the mitochondrial DNA 16S ribosomal gene among *Dreissena*, *Mytilopsis*, and *Corbicula* bivalve mussels. MS thesis, Case Western Reserve University.
- Idrisi, N. 1997. Impact of the zebra mussel, *Dreissena polymorpha*, on pelagic lower trophic food web dynamics of a large freshwater ecosystem. PhD diss., State University of New York College of Environmental Science and Forestry.
- Ji, X. 2008. *Dreissena* invasion and nutrient reduction: mechanisms of seston quality and quantity changes and potential effects on zooplankton grazers. PhD diss., State University of New York College of Environmental Science and Forestry.
- Kadar, E. 2001. Interaction between aluminum and two freshwater bivalves *Anodonta cygnea* and *Dreissena polymorpha* at neutral pH. University of Manchester.
- Kallmeyer, D. E. 1999. Density dynamics of zebra mussel (*Dreissena polymorpha*) larvae in a study zone of the Indiana waters of Lake Michigan from May through August of 1990–1997. MS thesis, Ball State University.
- Kaur, J. 2002. Development of a coupled plankton–zebra mussel–PCB aquatic ecosystem model: application to Saginaw Bay. PhD diss., State University of New York.
- Kavouras, J. H. 2002. The influence of biofilms on the attachment of the zebra mussel, *Dreissena polymorpha*. PhD diss., Marquette University.
- Kennedy, R. W. 1998. Selective feeding by common carp (*Cyprinus carpio*) and freshwater drum (*Aplodinotus grunniens*) on zebra mussels (*Dreissena polymorpha*) above and below Lock and Dam 19, Mississippi River. MS thesis, Western Illinois University.
- Keppner, S. M. 1996. The impacts of fish predation on zebra mussel (*Dreissena polymorpha*) population densities. MA thesis, State University College New York.
- Kinsella, M. J. 1998. Effects of competition by zebra mussels (*Dreissena polymorpha*) and predation by fathead minnows (*Pimephales promelas*) on life history characteristics of *Daphnia pulex*. MS thesis, University of Wisconsin.
- Kirsch, K. 2010. Effects of the invasive zebra mussel (*Dreissena polymorpha*) on nutrient concentrations and plankton communities in reservoir ecosystems. MS thesis, Oklahoma State University.
- Klangsin, P. 2000. Removal of fecal coliform bacteria by zebra mussels. PhD diss., University of Michigan.
- Knoll, L. B. 2004. Understanding zebra mussel (*Dreissena polymorpha*) impacts on autotrophic and heterotrophic plankton of inland lake ecosystems. MS thesis, Michigan State University.
- Koutnik, M. A. 1993. Toward a dynamic spatial model of zebra mussel (*Dreissena polymorpha*) spread among inland waters of Wisconsin. MS thesis, University of Wisconsin.
- Krestow, J. S. A. 1996. Use of *Dreissena polymorpha* for iodine-129 determinations in eastern Canada by accelerator mass spectrometry. MS thesis, University of Toronto.
- Krumanoeker, N. C. 1996. Genetic variation in *Dreissena* spp. and *Mytilopsis* population in Pools 19 and 20 of the Mississippi River. MS thesis, Western Illinois University.
- Labelle, L. 1996. Study of zebra mussel (*Dreissena polymorpha*) control using continuous and pulsating electrical currents on *Daphnia*. MS thesis, University of Western Ontario.

- Lavelle, J. 1993. Population diversity of *Dreissena polymorpha*, the zebra mussel, in the western basin of Lake Erie. MS thesis, Wright State University.
- Lauer, T. E. 1997. Space as a limiting resource among sessile benthic invertebrates: zebra mussels, freshwater sponges and bryozoans. PhD diss., Purdue University.
- Lawniczak, J. 1995. The impact of zebra mussels (*Dreissena polymorpha*) on the dynamics of sediments and heavy metals in western Lake Erie. MS thesis, University of Toledo.
- Lei, J. 1994. Functional and structural adaptations of the zebra mussel, *Dreissena polymorpha*, Pallas, to variable feeding conditions. PhD diss., University of Southern Mississippi.
- Leung, E. A.- T. 2008. The impact of temperature on body tissue mass in zebra mussels, *Dreissena polymorpha*, from Winfield City Lake, Kansas, through summer and fall 2008. Honors thesis, University of Texas at Arlington.
- Lewis, K. M. 1997. The biochemical genetics of the zebra mussel (*Dreissena polymorpha*) in the Great Lakes and the St. Joseph River basin. MS thesis, University of Notre Dame.
- Limke, T. 1997. Preliminary investigation of bioaccumulation between zebra mussels (*Dreissena polymorpha*) and round gobies (*Neogobius melanostomus*) in the Great Lakes ecosystem. Senior thesis, Lake Forest College Illinois.
- Link, C. 2010. Filtration and growth rate of Lake Mead quagga mussels (*Dreissena bugensis*) in laboratory studies and analyses of bioaccumulation. MS thesis, University of Nevada.
- Loomis, E. 2009. Trophic interactions associated with introduction of the invasive quagga mussel in Lake Mead, Nevada. MPH thesis, University of Nevada.
- Ma, X. 1996. Bioprocessing of algae and transfer of hydrophobic contaminants by zebra mussels (*Dreissena polymorpha*). MS thesis, Ohio State University.
- Maguire, C. M. 2002. The zebra mussel (*Dreissena polymorpha*) in the Erne system: invasion, population dynamics and early ecological impacts. PhD diss., Queen's University of Belfast.
- Malloy-Desormeaux, E. M. 1993. Trophic interactions: the relative importance of *Dreissena* filtration and *Daphnia* grazing on phytoplankton abundance and water clarity. MS thesis, State University of New York College.
- Marangelo, P. J. 1997. The zebra mussel (*Dreissena polymorpha*, Pallas) invasion of two rivers in southeast Michigan: interactions with unionid bivalves and patterns of riverine dispersal and colonization. MS thesis, University of Michigan.
- Marshall, J. 2000. Nanoplankton removal by the zebra mussel (*Dreissena polymorpha*) using *Chlorella vulgaris* as a food source. MS thesis, University of Wisconsin.
- Mayer, C. M. 1998. The effects of zebra mussel (*Dreissena polymorpha*) introduction on the benthos and yellow perch (*Perca flavescens*) of Oneida Lake, New York. PhD diss., Cornell University.
- Mazak, E. J. 1995. Organic contaminants in lower Great Lakes' waterfowl in relation to diet, with particular reference to *Dreissena polymorpha*. MS thesis, University of Windsor.
- Mellina, E. 1993. Patterns in the distribution and abundance of zebra mussels (*Dreissena polymorpha*) in the St. Lawrence River in relation to substrate and other physico-chemical factors. MS thesis, McGill University.
- Mezui, J. 1993. Effect of endod, *Phytolacca dodecandra*, on the attachment of the zebra mussel, *Dreissena polymorpha*: cellular structure of the byssal gland and the tensile strength of the byssal threads. MS thesis, University of Toledo.
- Mercer, J. L. 1998. Changes in the benthic invertebrate community and the feeding, growth, and PCB accumulation in the three littoral zone fishes following a zebra mussel invasion in Rice Lake, Ontario. MS thesis, Trent University.
- Millane, M. 2008. Impact of the zebra mussel *Dreissena polymorpha* (Pallas 1771) on the ecological integrity of Lough Sheelin, Ireland. PhD diss., University College Dublin.
- Miller, R. P. 2006. Analysis of factors affecting zebra mussel (*Dreissena polymorpha*) abundance in Gull Lake, Michigan. MA thesis, Western Michigan University.
- Miller, S. J. 1994. An analysis of factors potentially limiting the abundance of the zebra mussel (*Dreissena polymorpha*) in Salmon Creek, Monroe County, New York. MS thesis, State University of New York College.
- Misamore, M. J. 1998. Early fertilization events in the freshwater zebra mussel, *Dreissena polymorpha*. PhD diss., Louisiana State University and Agricultural & Mechanical College.
- Mitchell, J. S. 1995. Effects of waterfowl and fish predation on dreissenid mussels at Nanticoke, Lake Erie. MS thesis, University of Western Ontario.
- Moeller, M. L. 1993. Effects of some non-oxidizing molluscicides on oxygen consumption rates in *Dreissena polymorpha* (Pallas) and *Corbicula fluminea* (Mueller). MS thesis, University of Texas.
- Montgomery, A. J. M. S. 1997. The impact of microcystin-LR from the cyanobacterium *Microcystis aeruginosa* on the short-term filtering rates and long-term survival of zebra mussels (*Dreissena polymorpha*). MS thesis, University of Wisconsin.
- Mood, R. L. 2004. The impact of introduced bivalves, *Corbicula fluminea* and *Dreissena polymorpha*, on native benthic macroinvertebrates. MS thesis, Stephen F. Austin State University.
- Morano, J. 2007. Ecomorphology of round goby, *Neogobius melanostomus*, predation on zebra mussels, *Dreissena polymorpha*. MS thesis, Loyola University Chicago.
- Morehouse, R. 2010. Stoichiometry in a benthic invasive: exploring how stoichiometric imbalances with algal resources affect zebra mussel (*Dreissena polymorpha*) growth and condition. MS thesis, Oklahoma State University.
- Morgan, M. A. 1997. The occurrence and age structure of *Dreissena* spp. in Pool 19, Mississippi River. MS thesis, Western Illinois University.
- Morrison, H. A. 1996. The effects of zebra mussels (*Dreissena polymorpha*) on the distribution and dynamics of polychlorinated biphenyls in the western Lake Erie food web. PhD diss., University of Windsor.
- Morrison, T. W. 1994. Feeding ecology of yellow perch and freshwater drum on *Dreissena polymorpha*: a new predator-prey interaction in Lake Erie. MS thesis, Ohio State University.
- Morse, J. T. 2001. Analysis of factors inducing dislodgement of zebra mussels (*Dreissena polymorpha*) from steel surfaces exposed to cathodic potentials. MS thesis, University of Texas.
- Morse, J. 2009. Thermal tolerance, physiologic condition, and population genetics of dreissenid mussels (*Dreissena polymorpha* and *D. rostriformis bugensis*) relative to their invasion of waters in the western United States. PhD diss., University of Texas.

- Morton, B. S. 1969. Studies on the biology of the bivalve *Dreissena polymorpha*. PhD diss., University of London.
- Mueting, S. 2009. Substrate monitoring, contaminant monitoring, and educational outreach on quagga mussels (*Dreissena bugensis*) in Lake Mead, Nevada. MPH thesis, University of Nevada.
- Nagavarapu, U. 1992. Endod-stimulated biochemical and physiological modifications in gills and byssal glands of zebra mussel, *Dreissena polymorpha*. MS thesis, University of Toledo.
- Narayanan, R. 1998. Screening analysis of the potential impact of zebra mussels (*Dreissena polymorpha*) on PCB cycling in Lake Erie. MS thesis, State University of New York.
- Nelson, K. M. 2008. Distribution of dreissenid mussels in Great Lakes coastal ecosystems: are wetlands resistant to invasion? MS thesis, Grand Valley State University.
- Olesen, A. 2007. Macroinvertebrate response to zebra mussel (*Dreissena polymorpha*) colonization of stream substrates. MS thesis, Michigan State University.
- Oremland, L. A. 2001. The influence of environmental factors on zebra mussel (*Dreissena polymorpha*) larval abundance and settlement in the Hudson River. MS thesis, State University of New York.
- Pathy, D. A. 1994. The life history and demography of zebra mussel, *Dreissena polymorpha*, populations in Lake St. Clair, Lake Erie, and Lake Ontario. MS thesis, University of Guelph.
- Peyer, S. 2009. Morphology and the mechanics impacting zebra and quagga mussel invasions. PhD diss., University of Wisconsin.
- Pontius, R. A. 2000. The impact of zebra mussels (*Dreissena polymorpha*) on pelagic food webs. PhD diss., Ohio State University.
- Qin, P. 2007. Effects of light, nutrients and *Dreissena* (*Dreissena polymorpha* and *Dreissena bugensis*) on benthic ecosystems in lakes. PhD diss., Syracuse University.
- Qualls, T. M. 2003. Analysis of the impacts of the zebra mussel, *Dreissena polymorpha*, on nutrients, water clarity and the chlorophyll–phosphorous relationship in lower Green Bay, Lake Michigan. MS thesis, University of Wisconsin.
- Quinn, N. 2010. The role of turbulence in broadcast spawning and larval settlement in freshwater dreissenid mussels. PhD diss., University of Guelph.
- Reed, D. P. 2002. Spawning and larval development in the zebra mussel (*Dreissena polymorpha*) in Tennessee and Ohio river water. MS thesis, Murray State University.
- Regoli, L. 1999. Organotins in zebra mussels (*Dreissena polymorpha*) and sediments from the Saint-Lawrence River. MS thesis, McGill University.
- Reich, L. A. 1994. An evaluation of Douglas Lake, Cheboygan County, Michigan, U.S.A., as a suitable habitat for the zebra mussel (*Dreissena polymorpha*). MS thesis, Bowling Green State University.
- Ricciardi, A. 1997. The role of the zebra mussel (*Dreissena polymorpha*) in structuring benthic macroinvertebrate communities in the St. Lawrence River. PhD diss., McGill University.
- Rockhill, R. L. 1994. Histochemical analysis of the foot glands of *Dreissena polymorpha*. MS thesis, State University of New York College.
- Roditi, H. A. 2000. Bioaccumulation of trace metals in zebra mussels. PhD diss., State University of New York.
- Roe, S. L. 1996. Temporal variation of hydrophobic organochlorine contaminants in the zebra mussel *Dreissena polymorpha* in relation to physiological and limnological factors. MS thesis, University of Windsor.
- Roper, J. M. 1994. Sediment toxicity and bioaccumulation of toxicants in the zebra mussel, *Dreissena polymorpha*, at Times Beach, Buffalo, New York. MS thesis, Virginia Polytechnic Institute and State University.
- Rose, J. L. 1992. A genetic comparison of five Great Lakes populations of *Dreissena polymorpha* (Pallas). BS paper, Pennsylvania State University.
- Salim, A. Y. 2007. Alternative sampling method to determine factors affecting distribution and ecological impact of the zebra mussel (*Dreissena polymorpha*) in lower Green Bay, WI. MS thesis, University of Wisconsin.
- Scheele, C. 2007. The effects of zebra mussels (*Dreissena polymorpha*) on inland lake ecosystems. PhD diss., Michigan State University.
- Seabury, L. M. 2011. Mapping of invasive dreissenid mussels in a turbid Lake Michigan estuary using a combined geophysical and optical approach. MS thesis, University of Wisconsin.
- Selegean, J. P. 1993. The use of *Dreissena polymorpha* (the zebra mussel) as a biofilter of municipal wastewater with special reference to the bioaccumulation of heavy metals. MS thesis, Wayne State University.
- Selegean, J. P. W. 1998. Retention and depuration of *E. coli* by *Dreissena polymorpha* and its application in watershed management. PhD diss., Wayne State University.
- Sellers, T. W. 1997. Habitat effects on density, biomass, and secondary production of *Corbicula fluminea* and *Dreissena polymorpha* in the Ohio River. MS thesis, University of Louisville.
- Simons, K. A. 2007. The 2000 Lake St. Clair zooplankton community: a comparison to historical studies and evidence for *Dreissena* impacts. MS thesis, Oakland University.
- Skubinna, J. P. 1994. The response of submersed macrophytes to increased water clarity during the establishment of zebra mussels, *Dreissena polymorpha*, Pallas, in Saginaw Bay, Lake Huron. MS thesis, Michigan State University.
- Smylie, P. H. P. 1995. Growth and abundance of *Dreissena polymorpha* larvae in relation to temperature and phytoplankton abundance. MS thesis, University of Guelph.
- Spada, M. E. 2000. Factors limiting zebra mussels (*Dreissena polymorpha*) in a polluted urban system, Onondaga Lake, NY. MS thesis, State University of New York College of Environmental Science and Forestry.
- Spidle, A. 1994. A comparison of exotic bivalves, the quagga mussel, *Dreissena bugensis*, Andrusov, and the zebra mussel, *Dreissena polymorpha*, Pallas, using genetic variation and tolerance to temperature and salinity. MS thesis, Cornell University.
- Stankovich, W. S. 2004. The interaction of two nuisance species in Lake Michigan: *Cladophora glomerata* and *Dreissena polymorpha*. MS thesis, University of Wisconsin.
- Stewart, T. W. 1999. Evidence and mechanisms for *Dreissena* effects on other benthic macroinvertebrates in western Lake Erie. PhD diss., Bowling Green State University.
- Stoeckmann, A. M. 1997. Energy allocation strategies of the zebra mussel, *Dreissena polymorpha*. PhD diss., Ohio State University.
- Summers, R. B. 1995. Respiratory adjustment of dreissenid mussels (*Dreissena polymorpha* and *Dreissena bugensis*) in response to chronic turbidity. MS thesis, University of Louisville.
- Summers, R. B. 1999. The effects of colonization by *Dreissena polymorpha* (zebra mussel) on the riverine amphipod *Gammarus fasciatus*: increased benthic production due to biotic and abiotic factors. PhD diss., University of Louisville.

- Sun, C.-C. 1994. Seasonal changes in the biochemical composition of the zebra mussel *Dreissena polymorpha* (Pallas 1771). MS thesis, University of Southern Mississippi.
- Szprygada, K. A. 2004. Investigating the use of zebra mussels, *Dreissena polymorpha*, as a biomonitoring tool of toxic cyanobacterial blooms. MS thesis, State University of New York College of Environmental Science and Forestry.
- Tessier, C. 1997. Ecotoxicological impacts of zebra mussels, *Dreissena polymorpha*, a new food source for lesser scaup, *Aythya affinis*. PhD diss., McGill University.
- Theodory, R. G. 1999. The distribution of stable isotopes and heavy metals in *Dreissena polymorpha* (zebra mussel): chemical tracers for environmental contamination in Lake St. Clair. MS thesis, University of Windsor.
- Timar, L. 2008. Modeling the anthropogenic spread of an aquatic invasive species: the case of zebra mussels and transient recreational boating in Wisconsin. PhD diss., North Carolina State University.
- Timmerman, B. E. H. 1994. The potential use of *Dreissena polymorpha* and *D. bugensis* as biomonitors of heavy metal contamination (Cd, Cu, Pb, and Zn) in the St. Lawrence River and Great Lakes ecosystems. Honors thesis, St. Lawrence University.
- Turner, C. B. 2008. Influence of zebra (*Dreissena polymorpha*) and quagga (*Dreissena rostriformis*) mussel invasion on benthic nutrient and oxygen dynamics. MS thesis, Cornell University.
- Vance, J. R. 1997. Macro benthic invertebrates living in association with the zebra mussel, *Dreissena polymorpha*, in the western basin of Lake Erie, 1991. MS thesis, Wright State University.
- Vega, S. A. 2000. Lower trophic interactions in the eastern basin of Lake Erie after the invasion of dreissenids. MS thesis, State University of New York College of Environmental Science and Forestry.
- Viel, J. J. 1996. The effects of *Bacillus* species and antibiotic combinations on adult and larval zebra mussels (*Dreissena polymorpha*). MS thesis, Western Illinois University.
- Wacker A. 2002. Effects of biochemical food quality on the recruitment of *Dreissena polymorpha* in the littoral of Lake Constance: a field study and a laboratory approach. PhD diss., Konstanz University.
- Walton, W. C. 1993. Invasion of the Hudson River Estuary (N.Y., U.S.A.) by the zebra mussel, *Dreissena polymorpha*. MS thesis, Rutgers University.
- Watkins, J. M. 2011. Evaluating the role of exotic dreissenid mussels in the disappearance of the benthic amphipod *Diporeia* spp. in the Laurentian Great Lakes. PhD diss., Cornell University.
- Watters, A. 2011. Effectiveness of EarthTecRTM on killing invasive quagga mussels (*Dreissena rostriformis bugensis*) and preventing their colonization. MPH thesis, University of Nevada.
- Wearly, J. M. 2004. Changes in algal community structure following zebra mussel (*Dreissena polymorpha*) invasion of an oligotrophic inland lake. MS thesis, Bowling Green State University.
- Wenzel, J. 2009. A geographic footprint of boaters entering and departing Lake Powell: aquatic nuisance species management: potential distribution of the invasive zebra/quagga mussel into southwestern United States. MA thesis, Prescott College.
- Wiesner L. 2003. Detection of the aryl hydrocarbon receptor in various invertebrate species and investigations to establish new biomarkers using *Dreissena polymorpha*. PhD diss., Greifswald University.
- Wildridge, P. J. 1996. The effects of elevated environmental potassium on the zebra mussel (*Dreissena polymorpha*). PhD diss., State University of New York College of Environmental Science and Forestry.
- Wilson, A. B. 1999. Dispersal patterns of *Dreissena bugensis* in the Laurentian Great Lakes as inferred from highly polymorphic microsatellite markers. MS thesis, University of Guelph.
- Wilson, A. E. 2001. Complex interactions between zebra mussels and their planktonic prey. MS thesis, Michigan State University.
- Wimbush, J. 2010. Eradication of zebra mussel (*Dreissena polymorpha*) populations by early detection and SCUBA removal from Lake George, NY. MS thesis, State University of New York.
- Winters, A. 2008. Microbial communities associated with the zebra mussel (*Dreissena polymorpha*) in the Laurentian Great Lakes Basin. MS thesis, Michigan State University.
- Woller, M. M. 2006. Oxygen consumption by the unionids, *Elliptio dilatata*, *Pyganodon* sp. and *Lampsilis siliquoidea* in the presence of zebra mussels (*Dreissena polymorpha*). MS thesis, Central Michigan University.
- Woller-Skar, M. 2009. Zebra mussel (*Dreissena polymorpha*) promotion of cyanobacteria in low-nutrient lakes and the subsequent production and fate of microcystin. PhD diss., Bowling Green State University.
- Xiao, J. 2008. A flume experiment of turbulent flow structures over a quagga mussel (*Dreissena bugensis*) bed. MS thesis, University of Wisconsin.
- Xu, W. 2009. Identification of novel genes involved in zebra mussel (*Dreissena polymorpha*) underwater adhesion mechanism. PhD diss., Michigan State University.
- Yu, N. 1998. Zebra mussel (*Dreissena polymorpha*) colonization in a thermally stratified reservoir and its ecological impacts. PhD diss., Ohio State University.
- Zhang, X. S. 1995. Toxicity of three candidate nonoxidizing molluscicides: TFM, Bayer 73 and salicylanilide I to zebra mussels (*Dreissena polymorpha*) and quagga mussels (*D. bugensis*) and their physiological effects on zebra mussels. MS thesis, Ohio State University.
- Zhu, B. 2006. Direct and indirect ecological effects of dreissenid mussels (the zebra mussel *Dreissena polymorpha* and the quagga mussel *D. bugensis*) on submerged macrophytes in North American lakes. PhD diss., Syracuse University.

#### BOOKS

- Neumann, D. & H. A. Jenner (eds.). 1992. **The Zebra Mussel *Dreissena polymorpha*: Ecology, Biological Monitoring and First Applications in the Water Quality Management.** Stuttgart: Gustav Fischer Verlag. 262 pp., 20 chapters.
- Neumann, D. & H. A. Jenner. Studies on the Ecology and Ecotoxicology of the Zebra Mussel Biogeography, Physiological Ecology, Population Ecology and Water Quality Management. 1-4.
- Kinzelbach, R. The Main Features of the Phylogeny and Dispersal of the Zebra Mussel *Dreissena polymorpha*. 5-18.
- Sprung, M. Observations on Shell Growth and Mortality of *Dreissena polymorpha* in Lakes 19-28.

- Borcherding, J., D. E. Ruyter & E. D. Van Stevenicnk. Abundance and Growth of *Dreissena polymorpha* Larvae in the Water Column of the River Rhine During Downstream Transportation. 29–44.
- Cleven, E.-J. & P. Frenzel. Populations Dynamics and Production of *Dreissena* in the River Seerhein, the Outlet of Lake Constance. 45–49.
- Jantz, B. & D. Neumann. Shell Growth and Population Dynamics of *Dreissena polymorpha* in the River Rhine. 49–66.
- bij De Vaate, A., M. Grejdanus-Klass & H. Smit. Densities and Biomass of Zebra Mussels in the Dutch Part of the Lower Rhine. 67–78.
- Smit, H., V. A. N. Dudok & E. Heel. Methodical Aspects of Allometric Biomass Determination of *Dreissena polymorpha* Aggregations. 79–86.
- Borcherding, J. Morphometric Changes in Relation to the Annual Reproductive Cycle in *Dreissena polymorpha*: A Prerequisite for Biomonitoring Studies with Zebra Mussels. 87–100.
- Noordhuis, R., H. H. Reeders, & A. bij De Vaate. Filtration Rate and Pseudofaeces Production in Zebra Mussels and Their Application in Water Quality Management. 101–114.
- Jenner, H. A. Valve Movement Behaviour of the Mussel *Dreissena polymorpha* and the Clam *Unio pictorum* for Use in an Early Warning System. 115–126.
- Borcherding, J. Another Early Warning System for the Detection of Toxic Discharges in the Aquatic Environment Based on Valve Movements of the Freshwater Mussel *Dreissena polymorpha*. 127–146.
- Mouabad, A. & J. C. Pihan. The Pumping Behaviour Response of *Dreissena polymorpha* to Pollutants: A Method for Toxicity Screening. 147–154.
- Janssen, H. H., H. Moller, C. Von Landwust & T. Heeger. Pollution Effect Monitoring at the Histological Level Using *Dreissena polymorpha*. 155–170.
- Hansen, P.-D. Phagocytosis in *Mytilus edulis*: A System for Understanding the Sublethal Effects of Anthropogenic Pollutants and the Use of AOX as an Integrating Parameter for the Study of Equilibria Between Chlorinated Organics in *Dreissena polymorpha* Following Long-Term Exposures. 171–184.
- Reicke, H. Biological Effect Monitoring in the River Elbe Using the Zebra Mussel *Dreissena polymorpha*. 185–196.
- Busch, D., T. Lucker, M. Schirmer & W. Wosniok. The Application of the Bivalve *Dreissena polymorpha* for Biomonitoring Routine of Heavy Metals in Rivers. 197–212.
- Van Der Velde, G., R. Van Der Gaag & H. A. Jenner. Cadmium, Zinc and Copper in the Body, Byssus and Shell of the Brackish Water Mussel, *Mytilopsis leucophaeta* and the Zebra Mussel, *Dreissena polymorpha* in the Noordzeekanaal of The Netherlands. 213–226.
- Mersch, J., A. Jean-Jean, H. Spor & J.-C. Pihan. The Freshwater Mussel *Dreissena polymorpha* as a Bioindicator for Trace Metals Organochlorines and Radionuclides. 227–244.
- Giese, F. & A. Kruger. Biomonitoring of Organochlorines in Surface Waters of Berlin and the Lake Stechlin. 245–259.
- Nalepa, T. F. & D. W. Schloesser (eds.). 1993. Zebra Mussels: Biology, Impacts, and Control. Boca Raton, FL: Lewis Publishers (CRC Press). 810 pp., 47 chapters.**
- Stanczykowska, A & K. Lewandowski. Thirty Years of Studies of *Dreissena polymorpha* Ecology in Mazurian Lakes of Northeastern Poland. 3–37.
- Sprung, M. The Other Life: An Account of Present Knowledge of the Larval Phase of *Dreissena polymorpha*. 39–53.
- Smit, H, A. Bij De Vaate, H. H. Reeders, H. Van Nes Egbert & R. Noordhuis. Colonization, Ecology, and Positive Aspects of Zebra Mussels (*Dreissena polymorpha*) in the Netherlands. 55–77.
- Jaap, D. Growth and Population Structure of the Zebra Mussel (*Dreissena polymorpha*) in Dutch Lakes Differing in Trophic State. 79–94.
- Neumann, D., J. Borcherding & B. Jantz. Growth and Seasonal Reproduction of *Dreissena polymorpha* in the River Rhine and Adjacent Waters. 95–109.
- Garton, D. W. & W. R. Haag. Seasonal Reproductive Cycles and Settlement Patterns of *Dreissena polymorpha* in Western Lake Erie. 111–128.
- Fraleigh, P. C., P. L. Klerks, G. Gubanich, G. Matisoff & R. C. Stevenson. 1993. Abundance and Settling of Zebra Mussel (*Dreissena polymorpha*) Veligers in Western and Central Lake Erie. 129–142.
- Riessen, H. P., T. A. Ferro & R. A. Kamman. Distribution of Zebra Mussel (*Dreissena polymorpha*) Veligers in Eastern Lake Erie During the First Year of Colonization. 143–152.
- Mackie, G. L. Biology of the Zebra Mussel (*Dreissena polymorpha*) and Observations of Mussel Colonization on Unionid Bivalves in Lake St. Clair of the Great Lakes. 153–165.
- Kilgour, B. W & G. L. Mackie. Colonization of Different Construction Materials by the Zebra Mussel (*Dreissena polymorpha*). 167–173.
- Yankovich, T. L. & G. D. Haffner. 1993. Habitat Selectivity by the Zebra Mussel (*Dreissena polymorpha*) on Artificial Substrates in the Detroit River. 175–181.
- Morton, B. The Anatomy of *Dreissena polymorpha* and the Evolution and Success of the Heteromyarian Form in the Dreissenioidea. 185–215.
- Smirnova, N. F., G. Biochino & G. A. Vinogradov. Some Aspects of the Zebra Mussel (*Dreissena polymorpha*) in the Former European USSR with Morphological Comparisons to Lake Erie. 217–226.
- Boileau, M. G. & P. D. N. Hebert. Genetics of the Zebra Mussel (*Dreissena polymorpha*) in Populations from the Great Lakes Region and Europe. 227–238.
- Eckroat, L. E., E. C. Masteller, J. C. Shaffer & L. M. Steele. The Byssus of the Zebra Mussel (*Dreissena polymorpha*): Morphology, Byssal Thread Formation, and Detachment. 239–263.
- Ackerman, J. D., C. R. Either, D. G. Allen & J. K. Spelt. The Biomechanics of Byssal Adhesion in Zebra Mussels (*Dreissena polymorpha*): Tests with a Rotating Disk. 265–282.
- Vinogradov, G. A., N. F. Smirnova, V. A. Sokolov & A. A. Bruznitsky. Influence of Chemical Composition of the Water on the Mollusk *Dreissena polymorpha*. 283–293.
- Quigley, M. A., W. S. Gardner & W. M. Gordon. Metabolism of the Zebra Mussel (*Dreissena polymorpha*) in Lake St. Clair of the Great Lakes. 295–306.
- Ram, J. L. & S. J. Nichols. Chemical Regulation of Spawning in the Zebra Mussel (*Dreissena polymorpha*). 307–314.
- Nichols, S. J. Spawning of Zebra Mussels (*Dreissena polymorpha*) and Rearing of Veligers Under Laboratory Conditions. 315–329.
- LePage, W. L. The Impact of *Dreissena polymorpha* on Waterworks Operations at Monroe, Michigan: A Case History. 333–358.
- Kovalak, W. P., G. D. Longton & R. D. Smithee. Infestation of Power Plant Water Systems by the Zebra Mussel (*Dreissena polymorpha* Pallas). 359–380.

- Leach, J. H. Impacts of the Zebra Mussel (*Dreissena polymorpha*) on Water Quality and Fish Spawning Reefs in Western Lake Erie. 381–397.
- Dermott, R., J. Mitchell, I. Murray & E. Fear. Biomass and Production of Zebra Mussels (*Dreissena polymorpha*) in Shallow Waters of Northeastern Lake Erie. 399–413.
- Griffiths, R. W. Effects of Zebra Mussels (*Dreissena polymorpha*) on the Benthic Fauna of Lake St. Clair. 415–437.
- Reeders, H. H., A. Bij De Vaate & R. Noordhuis. Potential of the Zebra Mussel (*Dreissena polymorpha*) for Water Quality Management. 439–51.
- French, J. R. P. III & M. T. Bur. Predation of the Zebra Mussel (*Dreissena polymorpha*) by Freshwater Drum in Western Lake Erie. 453–464.
- Fisher, S. W., D. C. Gossiaux, K. A. Bruner & P. F. Landrum. Investigations of the Toxicokinetics of Hydrophobic Contaminants in the Zebra Mussel (*Dreissena polymorpha*). 465–490.
- Kraak, M. H. S., L. Daphna, M. Toussaint, H. Schoon, W. H. M. Peeters & C. Davids. Toxicity of Heavy Metals to the Zebra Mussel (*Dreissena polymorpha*). 491–502.
- de Kock, W. C. & C. T. Bowmer. Bioaccumulation, Biological Effects, and Food Chain Transfer of Contaminants in the Zebra Mussel (*Dreissena polymorpha*). 503–533.
- Jenner, H. A. & J. P. M. Janssen-Mommen. Monitoring and Control of *Dreissena polymorpha* and Other Macrofouling Bivalves in the Netherlands. 537–554.
- Barton, L. K. Control Program for Zebra Mussels (*Dreissena polymorpha*) at the Perry Nuclear Power Plant, Lake Erie. 555–562.
- Claudi, R. & D. W. Evans. Chemical Addition Strategies for Zebra Mussel (*Dreissena polymorpha*) Control in Once-Through Service Water Systems. 563–573.
- McMahon, R. F., B. N. Shipman & D. P. Long. Laboratory Efficacies of Nonoxidizing Molluscicides on the Zebra Mussel (*Dreissena polymorpha*) and the Asian Clam (*Corbicula fluminea*). 575–598.
- Van Benschoten, J. E., J. N. Jensen, D. Lewis & T. J. Brady. Chemical Oxidants for Controlling Zebra Mussels (*Dreissena polymorpha*): A Synthesis of Recent Laboratory and Field Studies. 599–619.
- Klerks, P. L., P. C. Fraleigh & R. C. Stevenson. Controlling Zebra Mussel (*Dreissena polymorpha*) Veligers with Three Oxidizing Chemicals: Chlorine, Permanganate, and Peroxide + Iron. 621–642.
- Lee, H. H., A. Lemma & H. J. Bennett. The Use of Endod (*Phytolacca dodecandra*) to Control the Zebra Mussel (*Dreissena polymorpha*). 643–655.
- Kowalewski, J. J., P. H. Patrick & A. E. Christie. Effect of Acoustic Energy on the Zebra Mussel (*Dreissena polymorpha*). 657–666.
- Iwanzki, S. & R. W. McCauley. Upper Lethal Temperatures of Adult Zebra Mussels (*Dreissena polymorpha*). 667–673.
- Carlton, J. T. Dispersal Mechanisms of the Zebra Mussel (*Dreissena polymorpha*). 677–697.
- Ludyanskiy, M. L. Recent Introductions of *Dreissena* and Other Forms into North America: The Caspian Sea/Black Sea Connection. 699–704.
- Kraft, C. Early Detection of the Zebra Mussel (*Dreissena polymorpha*). 705–714.
- Strayer, D. L. & L. C. Smith. Distribution of the Zebra Mussel (*Dreissena polymorpha*) in Estuaries and Brackish Waters. 715–727.
- Karnaukhov, V. N. & A. V. Karnaukhov. Perspectives on the Ecological Impacts of the Zebra Mussel (*Dreissena polymorpha*) in the Former European USSR and in North America. 729–731.
- Nichols, S. J. Maintenance of the Zebra Mussel (*Dreissena polymorpha*) Under Laboratory Conditions. 733–747.
- Davids, C. & M. H. S. Kraak. Trematode Parasites of the Zebra Mussel (*Dreissena polymorpha*). 749–759.
- Hopkins, G. J. & J. H. Leach. A Photographic Guide to the Identification of Larval Stages of the Zebra Mussel (*Dreissena polymorpha*). 761–772.
- Starobogatov, J. I. (ed.). 1994. Freshwater Zebra Mussel *Dreissena polymorpha* (Pall.) (Bivalvia, Dreissenidae): Systematics, Ecology, Practical Meaning. Moscow: Nauka Press. 238 pp., 16 chapters. (In Russian with English summary).**
- Starobogatov, J. I. Morphology. 7–17.
- Starobogatov, J. I. Taxonomy and Paleontology. 18–46.
- Starobogatov, J. I. & S. I. Andreeva. Distribution and History. 47–55.
- Biochino, G. I. Polymorphism and Geographical Variation. 56–66.
- Shkorbatov, G. L., A. F. Karpevich & P. I. Antonov. Ecological Physiology. 67–108.
- Lyakhnovich, V. P., A. Y. Karatayev, S. M. Lyakhov, N. I. Andreev, S. I. Andreeva, S. A. Afanasjev, A. K. Dyga, V. P. Zakutskiy, V. P. Zolotareva, A. A. Lvova, M. Y. Nekrasova, V. F. Osadchikh, Y. V. Pligin, A. A. Protasov, & G. M. Tischikov. Environmental Requirements of Zebra Mussel. 109–119.
- Mikheev, V. P. Feeding. 120–125.
- Mikheev, V. P. Selectivity of Zebra Mussel Feeding. 126–128.
- Mikheev, V. P. Composition and Quantity of *Dreissena* Food in Natural Conditions. 129–131.
- Karatayev, A. Y. & L. E. Burlakova. Filtration Rates. 132–137.
- Lvova, A. A. & G. E. Makarova. Gametogenesis and Reproductive Cycle. 138–148.
- Lvova, A. A., G. E. Makarova, A. Y. Karatayev & M. Y. Kirpichenko. Planktonic Larvae. 149–155.
- Lvova, A. A., G. E. Makarova, A. F. Alimov, A. Y. Karatayev, M. P. Miroshnichenko, V. P. Zakutski & M. Y. Nekrasova. Growth and Production. 156–179.
- Karatayev, A. Y. Karataev, A. Y., V. P. Lyakhnovich, S. A. Afanasev, L. E. Burlakova, V. P. Zakutskii, S. M. Lyakhov, M. P. Miroshnichenko, T. G. Moroz, M. Y. Nekrasova, S. P. Nechvalenko, I. A. Skalskaya, T. G. Kharchenko & A. A. Protasov. Role of Zebra Mussel in Biocenosis. 180–195.
- Zdun, V. I., V. K. Kiselene, A. Y. Karatayev & G. E. Makarova. Parasites of Zebra Mussel. 196–205.
- Karatayev, A. Y., V. P. Mikheev, S. A. Afanasiev, M. Y. Kirpichenko, A. A. Protasov, L. V. Shevtsova & T. G. Kharchenko. Practical Uses and Control on Human Made Structures. 206–221.
- Hill, I. A., F. Heimbach, P. Leeuwangh & P. Matthiesen (eds.). 1994. Freshwater Field Tests for Hazard Assessment of Chemicals. Boca Raton, FL: Lewis Publishers. 561 pp.**
- Borcherding, J. The “*Dreissena*-Monitor”: Improved Evaluation of Dynamic Limits for the Establishment of Alarm Thresholds During Toxicity Tests and for Continuous Water Control. 477–484.
- Claudi, R. & G. L. Mackie. 1994. Practical Manual for Zebra Mussel Monitoring and Control. Boca Raton, FL: Lewis Publishers. 227 pp.**



- Munawar, M., T. Edsall & J. Leach (eds.). 1995. **The Lake Huron Ecosystem: Ecology, Fisheries and Management. Ecovision World Monograph Series, Amsterdam, The Netherlands: SPB Academic Publishing. 503 pp.**
- Foster, N. R. & G. W. Kennedy. Patterns of Egg Deposition by Lake Trout and Lake Whitefish at Tawas Artificial Reef, Lake Huron, 1990–1993. 191–206.
- Wilcox, D. A. The Role of Wetlands as Nearshore Habitat in Lake Huron. 223–245.
- Prince, H. H. & C. S. Flegel. Breeding Avifauna of Lake Huron. 247–272.
- Haas, R. C. History and Status of Fisheries in Saginaw Bay, Lake Huron. 291–311.
- Jude, D. J., J. Janssen & G. Crawford. Ecology, Distribution, and Impact of the Newly Introduced Round Tubenose Gobies on the Biota of the St. Clair & Detroit Rivers. 447–460.
- Nierenberg, W. A. (ed.) 1995. **Encyclopedia of Environmental Biology. Volume 2. San Diego: Academic Press. 654 pp.**
- Schloesser, D. W. 1995. Introduced Species, Zebra Mussels in North America. 337–356.
- D'itri Frank, M. (ed.). 1997. **Zebra Mussels and Aquatic Nuisance Species. Proceedings of the Sixth International Zebra Mussel and Other Aquatic Nuisance Species Conference, Dearborn, Michigan 1996. Chelsea, MI: Ann Arbor Press. 638 pp., 43 chapters.**
- Morton, B. The Aquatic Nuisance Species Problem: A Global Perspective and Review. 1–54.
- Wiley, C. J. The Aquatic Nuisance Species: Nature, Transport and Regulation. 55–64.
- Reutter, J. Importance of the Nonindigenous Species/Aquatic Nuisance Species Issue. 65–68.
- Busiahn, T. R. Ruffe Control: A Case Study of an Aquatic Nuisance Species Control Program. 69–86.
- Grigorovich, I. A. & R. V. Babko. Sessile Invertebrates in Beds of Aquatic Macrophytes. 87–98.
- Miller, A. C. & B. S. Payne. Density and Size Demography of Newly Established Populations of *Dreissena polymorpha* in the U.S. Inland Waterways System. 99–116.
- Keppner, H. T., D. J. Adrian & T. A. Ferro. Seasonal Variation in Dreissenid Veliger Density in the Niagara, Mississippi, and other Selected Rivers. 117–124.
- Toczyłowski, S. A. & R. D. Hunter. Do Zebra Mussels Prefer to Settle on Unionids and/or Adult Conspecifics? 125–141.
- Setzler-Hamilton, E. M., D. A. Wright & J. A. Magee. Growth and Spawning of Laboratory Reared Zebra Mussels in Lower Mesohaline Salinities. 141–154.
- Stice, J. A. Zebra Mussel Colonization in the Ohio River Region and its Effects. 155–160.
- Hunter, R. H., S. A. Toczyłowski & M. G. Janech. Zebra Mussels in a Small River: Impact on Unionids. 161–186.
- Steven, W. E., S. R. Boone, C. A. Siegfried, L. Walrath & S. L. Ashley. Mobilization of Ammonia and Phosphorus by Zebra Mussels (*Dreissena polymorpha*) in the Seneca River. 187–207.
- Marvin, C. H. & E. T. Howell. Contaminant Burdens in Sediments Colonized by *Dreissena* Mussels at Two Nearshore Sites in the Lower Great Lakes. 209–224.
- Lange, C. L. & S. A. Wittmeyer. The Colonization of Zebra Mussels (*Dreissena* spp.) Feces and Pseudofeces Production to Taste and Odor Episodes in the Niagara River and Lake Erie. 225–244.
- Scheide, J. I. & A. Mikal. Ion Balance Predictors of Physiological Stress in Zebra Mussels: Effects of Molluscicidal Conditions. 245–256.
- Rajagopal, S., G. Van der Velde & H. A. Jenner. Response of Zebra Mussels, *Dreissena polymorpha*, to Elevated Temperatures in the Netherlands. 257–274.
- Mead, D. F. & D. J. Adama. An Effective Zebra Mussel Control Program. 275–282.
- Reeves, M. E. Techniques for the Protection of the Great Lakes from Infection by Exotic Organisms in Ballast Water. 283–300.
- Schleicher, C. The Zebra Mussel Buster. 301–304.
- Simkins, L. J. & J. D. Jones. The Impact of Zebra Mussels on Corrosion of Steel Structures. 305–328.
- Gross, C. A. Long Term Experience with Non-Fouling Coatings and Other Means to Control Macrofouling. 329–342.
- Gu, J.-D., J. S. Maki & R. Mitchell. Microbial Biofilms and Their Role in the Induction and Inhibition of Invertebrate Settlement. 343–358.
- Race, T. D. & M. A. Kelly. A Summary of a Three Year Evaluation Effort of Anti-Zebra Mussel Coatings and Materials. 359–388.
- Chang, T. J., M. A. Hoover & T. A. Bartrand. Optimization of a Vacuum Device for Zebra Mussel Control. 389–398.
- Schoenbach, K. H., R. W. Alden & T. J. Fox. Effect of Pulsed Electricity on Aquatic Nuisance Species. 399–406.
- Fears, C. D. & G. L. Mackie. Use of Low Level Electric Current (AC) to Prevent Settlement of Zebra/Quagga Mussels on Concrete and Steel Panels at Nanticoke TGS. 407–416.
- Smythe, A. G., C. L. Lange & L. R. Tuttle. Evaluation of an In-line Pulse Power Generator as a Method to Control Zebra Mussels. 417–428.
- Shana, Z. A., J. S. Maki, A. E. Zaroni, S. J. Benes, C. P. Mercier & M. W. Lawlor. The Effect of High Voltage Electrostatic Fields on Zebra Mussel. 429–438.
- Smythe, A. G., C. L. Lange, T. M. Short, E. A. Dardeau Jr. & M. Brown-Hester. Evaluation of an In-line Magnetic System as a Control for Zebra Mussels. 439–466.
- Wright, D. A., J. A. Magee, E. M. Setzler-Hamilton, L. Chalker-Scott & G. L. Morgan. Use of High Energy Monochromatic UV Light to Kill Dreissenid Larvae. 467–476.
- Gainer, G. M. & W. E. Garrett Jr. Further Confirmation of the Effects of Semicontinuous Chlorination Treatment on Asiatic Clams (*Corbicula fluminea*) in a Once-Through Service Water System. 477–488.
- Mallen, E., S. Freymark, L. Hale & B. Lippincott. Use of Chlorine Dioxide to Prevent Zebra Mussel Settlement. 489–500.
- Giacomo, R. S. & M. W. Wymer. Successful Applications of Zebra Mussel Treatment, Excluding Chlorine. 501–506.
- McMahon, R. F. & R. A. Chase. Investigation of the Efficacy of Semicontinuous Application of a Nonoxidizing Molluscicide for Control of Macrofouling by Zebra Mussels (*Dreissena polymorpha*) and Asian Clams (*Corbicula fluminea*). 507–522.
- Taylor, G. T. & D. Zheng. Preliminary Report on Use of Marine Natural Products as Repellents for Zebra Mussels, *Dreissena polymorpha*. 523–532.
- Piccirillo, V. J. & E. Dionne. TD 2335: Laboratory and Field Efficacy Studies for Control of Zebra Mussels in Electric Power Plants. 533–540.
- Magee, J. A., D. A. Wright & E. M. Setzler-Hamilton. The Use of Penaten to Control Zebra Mussel Attachment. 541–548.
- Hietanen, E. Toxicity Testing of Endod, a Natural Plant Extract, as a Prerequisite for Its Safe Use as a Molluscicide. 549–564.
- Rendall, W. J. Information/Education Strategy for Nonindigenous Aquatic Nuisance Species Prevention and Control. 565–574.
- Suvedi, M. & K. L. Heinze. Evaluation of the Great Lakes Sea Grant Network's Zebra Mussel Outreach Activities for Industrial and Municipal Water Users. 575–598.

- Grodowitz, M. J., L. Jeffers, S. Graham, M. Nelson & C. Way. Technology Transfer for Zebra Mussel Management Via a Computer-Based Information System. 599–606.
- Drees, L. R. The Western Zebra Mussel Task Force. 607–610.
- Barrett-O'Leary, M., B. Henning & A. Martin. Survey as an Education/Outreach Tool. 611–620.
- Claudi, R. & J. H. Leach (eds.). 1999. Non-Indigenous Freshwater Organisms in North America: Their Biology and Impact. Boca Raton, FL: CRC Press, Lewis Publishers. 480 pp.**
- Nalepa, T. F., G. L. Fahnenstiel & T. H. Johengen. Impacts of the Zebra Mussel (*Dreissena polymorpha*) on Water Quality: A Case Study in Saginaw Bay, Lake Huron. 255–271.
- Claudi, R. & J. H. Leach (eds.). 2000. Nonindigenous Freshwater Organisms: Vectors, Biology, and Impacts. Boca Raton, FL: Lewis Publishers. 464 pp.**
- Mackie, G. L. Ballast Water Introductions of Mollusca. 219–254.
- Nalepa, T. F., G. L. Fahnenstiel & T. H. Johengen. Impacts of the Zebra Mussel (*Dreissena polymorpha*) on Water Quality: A Case Study in Saginaw Bay, Lake Huron. 255–271.
- Mills, E. L., J. R. Chrisman & K. T. Holeck. The Role of Canals in the Spread of Nonindigenous Species in North America. 347–379.
- Butterworth, F. M., A. Gunatilaka & M. E. Gonsebatt (eds.). 2001. Biomonitoring and Biomarkers as Indicators of Environmental Change, vol. 2. New York: Kluwer Academic Publishers. 508 pp.**
- Kramer, K. J. M. & E. M. Foekema. The "Musselmonitor" as Biological Early Warning System: The First Decade. 59–87.
- Munawar, M. & R. E. Hecky (eds.). 2001. The Great Lakes of the World (GLOW) Food-web, Health & Integrity. Leiden, The Netherlands: Backhuys Publishers. 471 pp.**
- Munawar, M., R. Dermott, J. Leach, S. Nepszy, D. V. Weseloh, D. Graham, S. Carou, H. Niblock & O. Johannsson. An Overview of the Changing Flora and Fauna of the North American Great Lakes. Part II: Zooplankton, Benthos, Fish, Colonial Waterbirds and Exotic Species. 277–307.
- Parker, S. & M. Munawar (eds.). 2001. Ecology, Culture and Conservation of a Protected Area: Fathom Five National Marine Park, Canada. Leiden, The Netherlands: Backhuys Publishers. 306 pp.**
- Munawar, M., I. F. Munawar, R. Dermott, S. F. Munawar, W. Norwood, C. Wenghofer, D. Lynn, O. E. Johannsson, H. Niblock, S. Carou, M. Fitzpatrick, K. Gasenbeck & T. Weisse. Aquatic Ecosystem Health of Fathom Five National Marine Park: A Structural and Functional Assessment. 99–149.
- Leppakoski, E., S. Gollash & S. Olenin (eds.). 2002. Invasive Aquatic Species of Europe: Distribution, Impacts, and Management. Dordrecht, The Netherlands: Kluwer Academic Publishers. 583 pp.**
- Orlova, M. I. *Dreissena (D.) polymorpha*: Evolutionary Origin and Biological Peculiarities as Prerequisites of Invasion Success. 127–134.
- Minchin, D., F. E. Lucy & M. Sullivan. Zebra Mussel: Impacts and Spread. 135–146.
- Karatayev, A. Y., L. E. Burlakova & D. K. Padilla. 2002. Impacts of Zebra Mussels on Aquatic Communities and Their Role as Ecosystem Engineers. 433–446.
- Pimentel, D. (ed.). 2002 Biological Invasions: Economic and Environmental Costs of Alien Plant, Animal, and Microbe Species, Boca Raton, FL: CRC Press. 369 pp.**
- Pimentel, D., L. Lach, R. Zuniga & D. Morrison. Environmental and Economic Costs Associated with Non-Indigenous Species in the United States. 285–303.
- Pimental, D., S. McNair, J. Janecka, J. Wightman, C. Simmonds, C. O'Connell, E. Wong, L. Russel, J. Zern, T. Aquino & T. Tsomondo. Economic and Environmental Threats of Alien Plant, Animal, and Microbe Invasions. 307–329.
- Munawar, M. & I. F. Munawar (eds.). 2003. State of Lake Erie: Past, Present, and Future. Ecovision World Monograph Series, Leiden, The Netherlands: Backhuys Publishers, 550 pp.**
- Johannsson, O. E., D. M. Graham, D. W. E. Einhouse & E. L. Nills. Historical and Recent Changes in the Lake Erie Zooplankton Community and Their Relationship to Ecosystem Function. 169–196.
- Manny, B. & D. W. Schloesser. Changes in the Bottom Fauna of Western Lake Erie. 197–217.
- Ryan, P. A., L. D. Witzel, J. Paine, M. Freeman, M. Hardy, S. Scholton, L. Sztramko & R. MacGregor. Recent Trends in Fish Populations in Eastern Lake Erie in Relation to Changing Lake Trophic State and the Food Web. 241–289.
- MacIsaac, H. J. Biological Invasions in Lake Erie: Past, Present and Future. 305–322.
- Nicholls, K. H., S. J. Standke & G. J. Hopkins. Effects of Dreissenid Mussels on Nitrogen and Phosphorus in North Shore Waters of Lake Erie. 323–336.
- Graham, D. M., W. G. Sprules & S. J. Nepszy. Growth and Condition of Juvenile Yellow Perch (*Perca flavescens*) and White Perch (*Morone americana*) During Zebra Mussel Establishment in Western Lake Erie (1988–1991). 337–349.
- Ewins, P. J., N. A. Mahony, D. V. Weseloh & H. Blokpoel. Has the Invasion of Dreissenid Mussels Affected the Colonial Fish-Eating Birds of Lake Erie? 351–366.
- Demott, R., M. Munawar, L. Witzel & P. A. Ryan. An Assessment of Food-Web Changes in Eastern Lake Erie: Impact of *Dreissena* spp. and Phosphorus Management on Rainbow Smelt, *Osmerus mordax*. 367–385.
- Munawar, M. (ed.). 2003. State of Lake Ontario: Past, Present, and Future. Ecovision World Monograph Series. New Delhi, India: Goodword Books. 664 pp.**
- Millard, E. S., O. E. Johannsson, M. A. Neilson & A. H. El-Shaarawi. Long-Term, Seasonal and Spatial Trends in Nutrients, Chlorophyll *a* and Light Attenuation in Lake Ontario. 97–132.
- Lynn, D. H., M. Munawar, S. Carou, H. Niblock & P. L. Humby. Abundance, Biomass and Diversity of Planktonic Ciliates (*Ciliophora*) in Lake Ontario. 171–186.
- Munawar, M. & I. F. Munawar. Changes in Phytoplankton Community Structure and Primary Production of Lake Ontario. 187–219.
- Johannsson, O. E. A History of Changes in Zooplankton Community Structure and Function in Lake Ontario: Responses to Whole-Lake Remediation and Exotic Invasions. 221–257.
- Johannsson, O. E., L. G. Rudstam & E. L. Mills. *Mysis relicta* in Lake Ontario: Population Dynamics, Trophic Linkages and Further Questions. 257–287.
- Lozano, S. J. & T. F. Nalepa. Disruption of the Benthic Community in Lake Ontario. 305–322.
- Dermott, R. & M. Geminiuc. 2003. Changes in the benthic fauna of Lake Ontario 1990–1995, with local trends after 1981. 323–345.

- Hoyle, J. A., J. M. Casselman, R. Dermott & T. Schaner. Resurgence and Decline of Lake Whitefish (*Coregonus clupeaformis*) Stocks in Eastern Lake Ontario, 1972–1999. 475–491.
- Duggan, I. C., S. A. Bailey, R. I. Colautti, D. K. Gray, J. C. Makarewicz & H. J. MacIsaac. Biological Invasions in Lake Ontario: Past, Present and Future. 541–557.
- Negley, T. L., E. L. Mills, B. Baldwin, R. O’Gorman & R. W. Owens. The Ecology and Impact of the Invasion of Lake Ontario by the Zebra Mussel (*Dreissena polymorpha*) and quagga Mussel (*D. bugensis*). 559–579.
- Dermott R., & M. Munawar. Influence of *Dreissena* on the Benthos and Primary Production in Lakes Ontario and Erie. 579–593.
- Alimov, A. F. & N. G. Bogutskaya (eds.). 2004. Biological Invasions in Aquatic and Terrestrial Ecosystems. Moscow: KMK Scientific Press. 436 pp.**
- Orlova, M. I., T. W. Therriault, A. A. Protasov & T. A. Kharchenko. Major Reasons of Similarity and Differences of Invasions of Related Species by the Example of *Dreissena polymorpha* and *D. bugensis* (Dreissenidae, Bivalvia). 140–430.
- Telesh, I. V. & M. I. Orlova. Relationships Between Invasive Species *Dreissena polymorpha* (Pallas) and Microzooplankton in Coastal Waters of the Neva River Estuary (Gulf of Finland of the Baltic Sea). 268–275.
- Van Riper, C. & K. L. Cole. 2004. The Colorado Plateau: Cultural, Biological, and Physical Research. Tucson, AZ: University of Arizona Press. 279 pp.**
- Anderson M., J. Ritenou, C. I. Van Riper & K. L. Cole. 2004. Preventing Zebra Mussel Infestation at Lake Powell. 239–242.
- Edsall, T. & M. Munawar (eds.). 2005. State of Lake Michigan: Ecology, Health, and Management. New Delhi, India: Goodword Books. 639 pp.**
- Stoermer, E. F. Lake Michigan Paleolimnology. 53–88.
- Janssen, J., M. B. Berg & S. J. Lozano. Submerged Terra Incognita: Lake Michigan’s Abundant But Unknown Rocky Reefs. 113–139.
- Nalepa, T. F., D. L. Fanslow, G. A. Lang & S. A. Ruberg. Recent Trends in Benthic Macroinvertebrate Communities in Lake Michigan. 269–292.
- Jude, D., J. Janssen & E. Stoermer. The Uncoupling of Trophic Food Webs by Invasive Species in Lake Michigan. 311–348.
- Trudeau, T. N. The State of Lake Michigan in 2000 and Its Linkage to the Joint Strategic Plan for Management of the Great Lakes. 521–536.
- Livingston, J. V. (ed.) 2005. Trends in Water Pollution Research. Hauppauge, NY: Nova Science Publishers. 240 pp.**
- Pain, S., S. Biagiatti-Risbourg & M. Parant. Relevance of the Mixtenobiotic Defence Mechanism (MXDM) for the Biological Monitoring of Freshwaters: Example of Its Use in Zebra Mussels. 203–220.
- Levinton, J. S. & J. R. Waldman, (eds) 2006. The Hudson Estuary. New York: Cambridge University Press. 471 pp.**
- Strayer, D. L. The Benthic Animal Community of the Tidal-Freshwater Hudson River Estuary. 266–278.
- Strayer, D. L. Alien Species in the Hudson River. 296–310.
- Gherardi, F. (ed.). 2007. Biological Invaders in Inland Waters: Profiles, Distribution and Threats. Dordrecht, The Netherlands: Springer. 733 pp.**
- Lanconi, T. & E. Gaino. The Zebra Mussel *Dreissena polymorpha*: Reproduction and Competition with the Sponge *Ephydatia fluviatilis*. 597–612.
- Elia, A. C., A. J. M. Dorr, M. Prearo & M. C. Abete. Seasonal Effects on the Antioxidant Response and Metal Accumulation of *Dreissena polymorpha*. 613–624.
- Munawar, M. & R. T. Health (eds.). 2008. Checking the Pulse of Lake Erie. New Delhi, India: Goodword Books, Nizamuddin West Market. 640 pp.**
- Lam, D. C. L., W. M. Schertzer, R. C. McCrimmon, M. Charlton & S. Millard. Modelling Phosphorus and Dissolved Oxygen Conditions Pre- and Post-*Dreissena* Arrival in Lake Erie. 97–121.
- Porta, D. & G. D. Haffner. An Update Review of Contaminant Sources and Loads in Lake Erie. 207–243.
- Cornroy, J. D., D. D. Kane & D. A. Culver. Declining Lake Erie Ecosystem Health: Evidence from a Multi-Year, Lake-wide, Plankton Study. 369–408.
- Dermott, R. & J. Dow. Changing Benthic Fauna of Lake Erie Between 1993 and 1998. 409–438.
- Zhu, X., T. B. Johnson & J. T. Tyson. Synergistic Changes in the Fish Community of Western Lake Erie as Modified by Non-indigenous Species and Environmental Fluctuations. 439–474.
- Bailey, S. A., D. W. Kelly, D. K. Gray, K. Nandakumar & H. J. MacIsaac. Nonindigenous Species in Lake Erie: A Chronicle of Established and Projected Aquatic Invaders. 579–603.
- Santos, E. B. (ed.) 2009. Ecotoxicology Research Developments. Hauppauge, NY: Nova Science Publishers. 340 pp.**
- Dorr A. J. M., A. C. Elia & E. B. Santos. Detoxifying Enzymes of *Dreissena polymorpha* Treated with Disinfectants, Chlorine Dioxide, Sodium Hypochlorite and Peracetic Acid, for Superficial Water Potabilization. 301–314.
- Settele, J., L. Penev, T. Georgiev, R. Grabau, V. Grobelnik, V. Hammen, S. Klotz, M. Kotarac & I. Kuehn (eds.) 2010. Atlas of Biodiversity Risk. Sofia, Bulgaria: Pensoft Publishers. 300 pp.**
- Rodriguez-Labajos, B., R. Binimelis, C. Cardona, K. Dittmer, J. Martinez-Alier, I. Monterroso & A. Munne. Chronicle of a Bioinvasion Foretold: Distribution and Management of the Zebra Mussel (*Dreissena polymorpha*) Invasion in Spain. 198–201.
- van der Velde, G., S. Rajagopal & A. bij de Vaate (eds.). 2010. The Zebra Mussel in Europe. Leiden, The Netherlands: Backhuys Publishers. 490 pp., 41 chapters.**
- van der Velde, G., S. Rajagopal & A. bij de Vaate. From Zebra Mussels to Quagga Mussels: An Introduction to the Dreissenidae. 1–10.
- Harzhauser, M. & O. Mandic. Neogene Dreissenids in Central Europe: Evolutionary Shifts and Diversity Changes. 11–28.
- Veerween, A., M. Vincx & S. Degraer. *Mytilopsis leucophaeata*: The Brackish Water Equivalent of *Dreissena polymorpha*? A Review. 28–43.
- Pollux, B. J. A., G. van der Velde & A. bij de Vaate. A Perspective on Global Spread of *Dreissena polymorpha*: A Review on Possibilities and Limitations. 45–58.
- Therriault, T. W. & M. I. Orlova. Invasion Success Within the Dreissenidae: Prerequisites, Mechanisms and Perspectives. 59–67.
- Bidwell, J. R. Range Expansion of *Dreissena polymorpha*: A Review of Major Dispersal Vectors in Europe and North America. 69–78.
- Aldridge, D. C. *Dreissena polymorpha* in Great Britain: History of Spread, Impacts and Control. 79–91.
- Cianfanelli, S. C., E. Lori & M. Bodon. *Dreissena polymorpha*: Current Status of Knowledge About the Distribution in Italy. 93–100.
- Karatayev, A. Y., L. E. Burlakova & D. K. Padilla. *Dreissena polymorpha* in Belarus: History of Spread, Population Biology and Ecosystem Impacts. 101–111.
- Ibars, A. P., I. C. Abaurre, R. C. Mulet & E. R. Ramon. Zebra Mussel Distribution and Habitat Preference in the Lower Ebro River (North East Spain). 113–118.
- Stanczykowska, A., K. Lewandowski & M. Czarnoleski. Distribution and Densities of *Dreissena polymorpha* in Poland: Past and Present. 119–126.

- Astaneï, I. & E. Gosling. A Microgeographic Analysis of Genetic Variation in *Dreissena polymorpha* in Lough Key, Ireland. 127–132.
- Soroka, M. Genetic Differentiation of *Dreissena polymorpha* from East-European Countries. 133–143.
- Wacker, A. Careless Youth? Food in the Early Life-Stages of Zebra Mussels. 145–151.
- Wacker, A. & E. Kraffe. Fatty Acid Nutrition: Its Role in the Reproduction and Growth of Zebra Mussels. 153–159.
- Bacchetta, R., P. Mantecca & G. Vailati. Reproductive Behavior of Zebra Mussels Living in Shallow and Deep Water in the South Alps Lakes. 161–168.
- Czarnoleski, M., J. Kozłowski, K. Lewandowski, T. Müller & A. Stanczykowska. An Evolutionary Perspective on the Geographic and Temporal Variability of Life Histories in European Zebra Mussels. 169–182.
- Araujo, R., M. Valladolid & I. Gomez. Life Cycle and Density of a Newcomer Population of Zebra Mussels in the Ebro River, Spain. 183–189.
- Beisel, J.-N., V. Bachmann & J.-C. Moreteau. Growth-at-Length Model and Related Life-History Traits of *Dreissena polymorpha* in Lotic Ecosystems. 191–197.
- Kelly, D. W., L.-M. Herborg & H. J. MacIsaac. Ecosystems Changes Associated with *Dreissena* Invasions: Recent Developments and Emerging Issues. 199–209.
- Sullivan, M., F. Lucy & D. Minchin. The Association Between Zebra Mussels and Aquatic Plants in the Shannon River System in Ireland. 211–217.
- Juhel, G., G. Moroney, R. McNamara, R. O'Riordan & S. Culloty. Dynamics of *Ophryoglena* sp. Infection in *Dreissena polymorpha* in Ireland. 219–226.
- Molloy, D. P., L. Giamberini, L. E. Burlakova, A. Y. Karatayev, J. R. Cryan, S. L. Trajanovski & S. P. Trajanovska. Investigation of the Endosymbionts of *Dreissena stankovici* with Morphological and Molecular Confirmation of Host Species. 227–237.
- Mortl, M., S. Werner & K.-O. Rothhaupt. Effects of Predation by Wintering Water Birds on Zebra Mussels and on Associated Macroinvertebrates. 239–249.
- van Eerden, M. R. & J. J. de Leeuw. How *Dreissena* Sets the Winter Scene for Water Birds: Dynamic Interactions Between Diving Ducks and Zebra Mussels. 251–264.
- Noordhuis, R., M. R. van Eerden & M. Roos. Crash of Zebra Mussel, Transparency and Water Bird Populations in Lake Markermeer. 265–277.
- Borcharding, J. Steps from Ecological and Ecotoxicological Research to the Monitoring for Water Quality Using the Zebra Mussel in a Biological Early Warning System. 279–283.
- Mantecca, P., R. Bacchetta & G. Vailati. Field Application of Histopathological Biomarkers in *Dreissena polymorpha*. 285–294.
- Rotteveel, S. G. P., P. J. den Besten & M. J. C. van der Veen. Application of the Comet Assay in *Dreissena polymorpha*: Seasonal Changes in Genotoxic Effects. 295–300.
- Voets, J., L. Bervoets, R. Smolders, A. Covaci, W. De Coen & R. Blust. Biomonitoring Environmental Pollution in Freshwater Ecosystems Using *Dreissena polymorpha*. 301–321.
- Kuserow, R., M. Mortl, J. Mahlmann, D. Uhlmann & I. Roske. The Design of a Zebra-Mussel-Biofilter. 323–330.
- Pires, L. M. D., B. W. Ibelings & E. van Donk. Zebra Mussel as a Potential Tool in the Restoration of Eutrophic Shallow Lakes Dominated by Toxic Cyanobacteria. 331–341.
- Weber, A., M. G. D. Smit & M. T. Collombon. Eutrophication and Algal Blooms: Zebra Mussels as a Weapon. 343–347.
- Kobak, J. Attachment Strength of *Dreissena polymorpha* on Artificial Substrates. 349–354.
- Brujns, M. C. M., H. A. Jenner & S. Rajagopal. Industrial Cooling Water Fouling by Dreissenidae. 355–362.
- Rajagopal, S., G. van der Velde & H. A. Jenner. Turning the Heat on *Dreissena polymorpha*: Temperature as a Control Option. 363–369.
- Elliot, P., D. C. Aldridge & G. D. Moggridge. The Development of Micro-Encapsulated Toxins to Control Zebra Mussels. 371–381.
- Rajagopal, S., G. van der Velde & H. A. Jenner. Chlorination for *Dreissena polymorpha* Control: Old War-Horse for the New Pest? 383–392.
- Claudi, R. & A. J. Van Oostrom. Mitigation of Biofouling in Once-Through Cooling Systems: An Overview and Case Study on Treatment Optimization. 393–402.
- Bernat, Y., C. Duran & A. Viamonte. The Zebra Mussel in Spain: Management Strategies to Prevent Its Spread. 403–413.
- bij de Vaate, A., S. Rajagopal & G. van der Velde. The Zebra Mussel in Europe: Summary and Synthesis. 415–421.
- Pimentel, D. (ed.). 2011. Biological Invasions: Economic and Environmental Costs of Alien Plant, Animal, and Microbe Species, 2<sup>nd</sup> edition. Boca Raton, FL: CRC Press. 463 pp.**
- Pimentel, D. Environmental and Economic Costs Associated with Alien Invasive Species in the United States. 411–430.