

Supplementary references

- AHYONG, S. T. (2013): Stomatopoda collected primarily by the Philippine AURORA expedition (Crustacea, Squilloidea). – In: AHYONG, S. T., CHAN, T. Y., CORBARI, L. & NG, P. K. L. (eds.): Tropical deep-sea benthos, **27**: 85–106; Paris (Muséum national d'Histoire naturelle).
- AHYONG, S. T., CHAN, T. Y. & LIAO, Y. C. (2008): A Catalog of the Mantis Shrimps (Stomatopoda) of Taiwan. 188 pp.; Keelung (National Taiwan Ocean University).
- BACESCU, M. & GUTU, M. (1975): A new genus (*Dicaspseudes* n.g.) and three new species of Apseudidae (Crustacea, Tanaidacea) from the Northeastern coast of South America. – Zoologische Mededelingen, **49** (11): 95–113.
- BACHMAYER, F., MALZAHN, E., SACHARIEWA-KOWATSCHEWA, K. & VÉGH, S. (1965): Neue Scherenassel-Funde aus den Dogger-Schichten von Norddeutschland und Bulgarien sowie aus Trias-Ablagerungen von Ungarn. – Annalen des Naturhistorischen Museums in Wien, **68**: 221–242.
- BLAZEWICZ-PASZKOWYCZ, M., BAMBER, R. & ANDERSON, G. (2012): Diversity of Tanaidacea (Crustacea: Peracarida) in the world's oceans – how far have we come? – PLOS ONE, **7** (4): e33068.
- BRUCE, N. (2004): *Hadromastax dinamoraze* sp. nov., the first occurrence of the family Hadromastacidae BRUCE and MULLER, 1991 (Isopoda, Crustacea, Limnoriidea) in the Indian Ocean. – Journal of Natural History, **38** (23): 3113–3122.
- BRUCE, N. L. (2003): New genera and species of sphaeromatid isopod crustaceans from Australian marine coastal waters. – Memoirs of Museum Victoria, **60** (2): 309–369.
- BRUCE, N. L. (1980): A new family of marine Isopod (Flabellifera, Isopoda : Crustacea) from the reefs of the Coral Sea. – Cahiers de l'Indo-Pacifique, **2**: 175–183.
- CALMAN, W. T. (1907): On new or rare Crustacea of the order Cumacea from the collection of the Copenhagen Museum. – Part I. The families Bodotriidae, Vauntompsoniidae, and Leuconidae. – The Transactions of the Zoological Society of London, **18** (1): 1–58.
- CALMAN, W. T. (1906): The Cumacea of the Puritan Expedition. – Mittheilungen aus der Zoologisches Station Neapel, **17**: 411–432.
- CALMAN, W. T. (1912): The Crustacea of the order Cumacea in the Collection of the United States National Museum. – Proceedings of the National Museum, **41**: 74.
- CAMPOS-FILHO, I. S., ARAUJO, P. B., BICHUETTE, M. E., TRAJANO, E. & TAITI, S. (2014): Terrestrial isopods (Crustacea: Isopoda: Oniscidea) from Brazilian caves: Oniscidea from Brazilian caves. – Zoological Journal of the Linnean Society, **172** (2): 360–425.
- CAMPOS-FILHO, I. S., CARDOSO, G. M. & AGUIAR, J. O. (2018): New species and first record of *Alloniscus* DANA, 1854 (Isopoda: Oniscidae: Alloniscidae) from Brazil. – Nauplius, **26** <http://dx.doi.org/10.1590/2358-2936e2018014>
- CHELAZZI, L. & MESSANA, G. (1985): *Acanthastenasellus forficuloides* n. gen. n. sp., a stenasellid isopod (asellota) from Somalian phreatic layer. – Monitore Zoologico Italiano, **4**: 43–54.
- COLEMAN, C. O. & LOWRY, J. K. (2012): Revision of the genus *Iphiplateia* (Crustacea, Amphipoda, Phliantidae) from Australia. – Zootaxa, **3393**: 1–26.
- COLEMAN, C. O. (1990): Two new Antarctic species of the genus *Epimeria* (Crustacea: Amphipoda: Paramphithoidae), with description of juveniles. – Journal of the Royal Society of New Zealand, **20** (2): 151–178.
- DRUMM, D. T. & BAMBER, R. N. (2013): A new species of *Fageapseudes* (Crustacea: Peracarida: Tanaidacea) from California, with comments on the systematics of the family Apseudidae. – Zootaxa, **3701** (4): 437.
- ETTER, W. (2004): Redescription of *Opsipedon gracilis* HEER (Crustacea, Tanaidacea) from the Middle Jurassic of Northern Switzerland, and the palaeoenvironmental significance of Tanaidaceans. – Palaeontology, **47** (1): 67–80.
- GALASSI, D. M. P., BRUCE, N. L., FIASCA, B. & DOLE-OLIVIER, M.-J. (2016): A new family Lepidocharontidae with description of *Lepidocharon* gen. n., from the Great Barrier Reef, Australia, and redefinition of the Microparasellidae (Isopoda, Asellota). – ZooKeys, **594**: 11–50.
- GAMO, S. (1967): Studies on the Cumacea (Crustacea, Malacostraca) of Japan. Part I. – Publications of the Seto Marine Biological Laboratory, **15** (2): 133–163.
- GLAESNER, M. F. & MALZAHN, E. (1962): Neue Crustaceen aus dem niederrheinischen Zechstein. – Fortschritte in der Geologie von Rheinland und Westfalen, **6**: 245–264.
- GUTU, M. & ILIFFE, T. M. (1998): Description of a new hirsutiid (n.g., n.sp.) and reassessment of this family from order Mictacea to the new order, Bochusacea (Crustacea, Peracarida). – Travaux du Muséum national d'Histoire naturelle, **40**: 93–120.
- HAUG, C., NYBORG, T., KOVALCHUK, G., NYBORG, B. & HAUG, J. T. (2015): Pushing the limits to the north – a fossil mantis shrimp from Oregon, USA. – Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen, **278** (3): 281–290.
- HAUG, C., SALLAM, W. S., MAAS, A., WALOSZEK, D., KUTSCHERA, V. & HAUG, J. T. (2012): Tagmatization in Stomatopoda – reconsidering functional units of modern-day mantis shrimps (Verunipeltata, Hoplocarida) and implications for the interpretation of fossils. – Frontiers in Zoology, **9** (1): 31.
- HAUG, J. T., HAUG, C., MAAS, A., KUTSCHERA, V. & WALOSZEK, D. (2010): Evolution of mantis shrimps (Stomatopoda, Malacostraca) in the light of new Mesozoic fossils. – BMC Evolutionary Biology, **10** (1): 290.
- JARQUÍN-GONZÁLEZ, J., GARCÍA-MADRIGAL, M. D. S. & CARRERA-PARRA, L. F. (2015): First species of *Leptocheilia* DANA, 1849 (Crustacea: Tanaidacea) from the Eastern Pacific, with an annotated checklist and identification keys for the genus. – Zootaxa, **3920** (4): 501.
- JAUME, D. (2001): A new atlantasellid isopod (Asellota: Aselloidea) from the flooded coastal karst of the Dominican Republic (Hispaniola): evidence for an exopod on a thoracic limb and biogeographical implications. – Journal of Zoology, **255** (2): 221–233.
- JAUME, D., PINARDO-MOYA, E. & BOXSHALL, G. A. (2013): A presumed spelaeogriphacean crustacean from an Upper Barremian wetland (Las Hoyas; Lower Cretaceous; Central Spain): Spelaeogriphacean from Las Hoyas. – Palaeontology, **56** (1): 15–28.
- JONES, N. S. & BURBANK, W. D. (1959): *Almyracuma proximoculi* gen. et sp. nov. (Crustacea, Cumacea) from brackish water of Cape Cod, Massachusetts. – The Biological Bulletin, **116** (1): 115–124.
- JUST, J. & POORE, G. C. B. (1988): Second record of Hirsutiidae (Peracarida: Mictacea): *Hirsutia sandersetalia*, new species, from Southeastern Australia. – Journal of Crustacean Biology, **8** (3): 483–488.
- KENSLEY, B. (1979): A second genus in the marine isopod family Bathynataliidae. – Annals of the South African Museum, **79** (3): 35–41.

- KENSLEY, B. (1995): A new genus of aquatic cave-dwelling isopod from Namibia (Crustacea: Isopoda: Asellota). – *Cimbebasia*, **14**: 1–15.
- KENSLEY, B. & SCHOTTE, M. (2002): New species and records of Asellota from the Indian Ocean (Crustacea: Peracarida: Isopoda). – *Journal of Natural History*, **36** (12): 1421–1461.
- KNOTT, B. & LAKE, P. S. (1980): *Eucrenonaspides oinotheke* gen. et sp. n. (Psammaspidae) from Tasmania, and a new taxonomic scheme for Anaspidacea (Crustacea, Syncarida). – *Zoologica Scripta*, **9** (1–4): 25–33.
- LARSEN, K. & SHIMOMURA, M. (2007): Tanaidacea (Crustacea: Peracarida) from Japan. 2. Tanaidomorpha from the east China Sea, The West Pacific Ocean and the Nansei Islands. – *Zootaxa*, **1464**: 1–43.
- MALZAHN, E. (1970): Die Scherenassel *Ophthalmapseudes friedericianus* im Dogger von Hildesheim. – *Berichte der Naturhistorischen Gesellschaft Hannover*, **114**: 61–73.
- MESSANA, G., BARATTI, M. & BENVENUTI, D. (2002): *Pongycarcinia xiphidiourus* n. gen. n. sp., a new Brazilian Calabozoidae (Crustacea Isopoda). – *Tropical Zoology*, **15** (2): 243–252.
- MOREIRA, P. S. (1971): Species of Serolis (Isopoda, Flabellifera) from Southern Brazil. – *Boletim do Instituto Oceanográfico*, **20** (1): 85–144.
- MÜLLER, H. G. (1991): Corallanidae from Bora Bora and Moorea, Society Islands, with description of a new species of *Corallana* (Crustacea : Isopoda : Cymothoidea). – *Cahiers de Biologie Marine*, **32**: 451–468.
- NAGLER, C. & HAUG, J. T. (2016): Functional morphology of parasitic isopods: Understanding morphological adaptations of attachment and feeding structures in *Nerocila* as a pre-requisite for reconstructing the evolution of Cymothoidae. – *PeerJ*, **4**: e2188.
- NAGLER, C., HYŽNÝ, M. & HAUG, J. T. (2017): 168 million years old “marine lice” and the evolution of parasitism within isopods. – *BMC Evolutionary Biology*, **17** (1): 76.
- OHTSUKA, S., HANAMURA, Y. & KASE, T. (2002): A new species of *Thetispelecaris* (Crustacea: Peracarida) from submarine cave on Grand Cayman Island. – *Zoological Science*, **19** (5): 611–624.
- PARK, J.-Y. (1996): Redescription of *Arcturides cornutus* STUDER, 1882 from the Crozet Islands and Prince Edward Island (Crustacea, Isopoda, Valvifera). – *Bulletin Zoölogisch Museum*, **15** (4): 29–36.
- PIRES, A. M. S. (1987): *Poticoara brasiliensis*: a new genus and species of Spelaeogriphacea (Crustacea: Peracarida) from Brazil with a phylogenetic analysis of the Peracarida. – *Journal of Natural History*, **21** (1): 225–238.
- POORE, G. C. B. & HUMPHREYS, W. F. (2003): Second species of *Mangkurtu* (Spelaeogriphacea) from north-western Australia. – *Records of the Western Australian Museum*, **22** (1): 67.
- POORE, G. C. B. & HUMPHREYS, W. F. (2013): *Bunderanthura bundera* gen. et sp. nov. from Western Australia, first anchialine Leptanthuridae (Isopoda) from the Southern Hemisphere. – *Records of the Western Australian Museum*, **28** (1): 21.
- PREVORČNIK, S., LOPES FERREIRA, R. & SKET, B. (2012): Brasileirinidae, a new isopod family (Crustacea: Isopoda) from the cave in Bahia (Brazil) with a discussion on its taxonomic position. – *Zootaxa*, **3452**: 47–65.
- SÁNCHEZ-GARCÍA, A., PEÑALVER, E., BIRD, G. J., PERRICHOT, V. & DELCLÓS, X. (2016): Palaeobiology of tanaidaceans (Crustacea: Peracarida) from Cretaceous ambers: extending the scarce fossil record of a diverse peracarid group. – *Zoological Journal of the Linnean Society*, **178** (3): 492–522.
- SANDERS, H. L., HESSLER, R. R. & GARNER, S. P. (1985): *Hirsutia bathyalis*, a new unusual deep-sea benthic peracaridan crustacean from the tropical Atlantic. – *Journal of Crustacean Biology*, **5** (1): 30–57.
- SAYCE, O. A. (1908): I. On *Koonunga cursor*, a remarkable new type of malacostracous crustacean. – *Transactions of the Linnean Society of London*, (2), **11** (1): 1–16.
- SCHMINKE, H. K. (1974): *Psammaspides williamsi* gen. n., sp. n., ein Vertreter einer neuen Familie mesopsammaler Anaspidacea (Crustacea, Syncarida). – *Zoologica Scripta*, **3** (4): 177–183.
- SCHRAM, F. R. (1979): British Carboniferous Malacostraca. – *Fieldiana, Geology*, **40**: 1–129.
- SCHRAM, F. R., SIEG, J. & MALZAHN, E. (1986): Fossil Tanaidacea. – *Transactions of the San Diego Society of Natural History*, **21** (8): 127–144.
- STOCK, J. H. (1976): A new genus and two new species of the crustacean order Thermosbaenacea from the West Indies. – *Bijdragen Tot de Dierkunde*, **46** (1): 47–70.
- STOREY, M. J. & POORE, G. C. B. (2009): New species of *Brucerolis* (Crustacea: Isopoda: Serolidae) from seas around New Zealand and Australia. – *Memoirs of the Museum Victoria*, **66** (1): 147–173.
- SWAIN, R., WILSON, I. S. & ONG, J. E. (1971): A new species of *Allanaspides* (Syncarida, Anaspididae) from south-western Tasmania. – *Crustaceana*, **21** (2): 196–202.
- TATTERSALL, W. M. & TATTERSALL, O. S. (1951): The British Mysidacea. 460 pp.; London (Quaritch).
- VAN DER WAL, S., SMIT, N. J. & HADFIELD, K. A. (2017): Redescription and molecular characterisation of the fish parasitic isopod *Norileca indica* (MILNE EDWARDS, 1840) (Crustacea: Isopoda: Cymothoidae) with a key to the genus. – *African Zoology*, **52** (3): 163–175.
- VONK, R. & SCHRAM, F. R. (2007): Three new tanaid species (Crustacea, Peracarida, Tanaidacea) from the Lower Cretaceous Álava amber in northern Spain. – *Journal of Paleontology*, **81** (6): 1502–1509.
- WATLING, L. (2016): Collecting and processing bathynellaceans, anaspidaceans, spelaeogriphaceans, and thermosbaenaceans. – *Journal of Crustacean Biology*, **36** (3): 402–404.
- WETZER, R. & BRUCE, N. L. (1999): A new genus and species of sphaeromatid isopod (Crustacea) from Atlantic Costa Rica. – *Proceedings of the Biological Society of Washington*, **112** (2): 14.
- WILSON, G. D. F. (2003): A new genus of Tainisopidae fam. nov. (Crustacea: Isopoda) from the Pilbara, Western Australia. – *Zootaxa*, **245** (1): 1.
- WILSON, G. D. F. & KEABLE, S. J. (1999): A new genus of phreatoicidean isopod (Crustacea) from the north Kimberley region, Western Australia. – *Zoological Journal of the Linnean Society*, **126** (1): 51–79.
- YAN-BIN, S. & TAYLOR, R.S. & SCHRAM, R. (1998): A new spelaeogriphacean (Crustacea: Peracarida) from the Upper Jurassic. – *Contributions to Zoology*, **68** (1): 19–36.