



ZOOTAXA

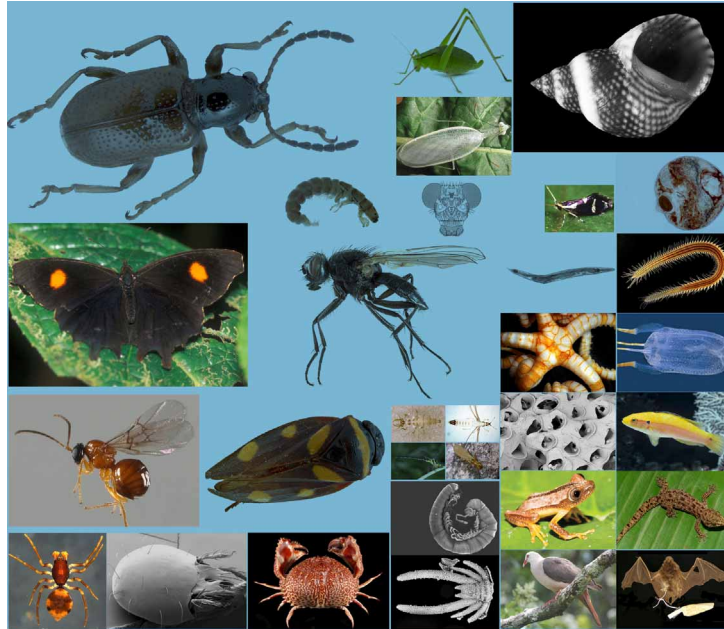
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Animal biodiversity:

An outline of higher-level classification and survey of taxonomic richness

ZHI-QIANG ZHANG (ED.)

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Subphylum **Crustacea** Brünnich, 1772 ¹

Class **Branchiopoda** Latreille, 1817 (2 subclasses)²

Subclass **Sarsostraca** Tasch, 1969 (1 order)

Order **Anostraca** Sars, 1867 (2 suborders)

Suborder **Artemiina** Weekers, Murugan, Vanfleteren, Belk and Dumont, 2002 (2 families)

Family **Artemiidae** Grochowski, 1896 (1 genus, 9 species)

Family **Parartemiidae** Simon, 1886 (1 genus, 18 species)

Suborder **Anostracina** Weekers, Murugan, Vanfleteren, Belk and Dumont, 2002 (6 families)

Family **Branchinectidae** Daday, 1910 (2 genera, 46 species)

Family **Branchipodidae** Simon, 1886 (6 genera, 36 species)

Family **Chirocephalidae** Daday, 1910 (9 genera, 78 species)

Family **Streptocephalidae** Daday, 1910 (1 genus, 56 species)

Family **Tanymastigitidae** Weekers, Murugan, Vanfleteren, Belk and Dumont, 2002 (2 genera, 8 species)

Family **Thamnocephalidae** Packard, 1883 (6 genera, 62 species)

Subclass **Phyllopoda** Preuss, 1951 (3 orders)

Order **Notostraca** Sars, 1867 (1 family)

Family **Triopsidae** Keilhack, 1909 (2 genera, 15 species)

Order **Laevicaudata** Linder, 1945 (1 family)

Family **Lynceidae** Baird, 1845 (3 genera, 36 species)

Order **Diplostraca** Gerstaecker, 1866 (3 suborders)

Suborder **Spinicaudata** Linder, 1945 (3 families)

Family **Cyzicidae** Stebbing, 1910 (4 genera, ~90 species)

Family **Leptestheriidae** Daday, 1923 (3 genera, ~37 species)

Family **Limnadiidae** Baird, 1849 (5 genera, ~61 species)

Suborder **Cycletherida** Sars, 1899 (1 family)

Family **Cycletheriidae** Sars, 1899 (1 genus, 1 species)

Suborder **Cladocera** Latreille, 1829 (4 infraorders)

Infraorder **Ctenopoda** Sars, 1865 (2 families)

Family **Holopediidae** Sars, 1865 (1 genus, 3 species)

Family **Sididae** Baird, 1850 (7 genera, 47 species)

Infraorder **Anomopoda** Stebbing, 1902 (12 families)

Family **Acantholeberidae** (1 genus, 1 species)

Family **Bosminidae** Baird, 1845 (2 genera, 14 species)

Family **Chydoridae** Stebbing, 1902 (49 genera, 269 species)

Family **Daphniidae** Straus, 1820 (5 genera, 121 species)

Family **Dumontidae** (1 genus, 1 species)

Family **Eurycercidae** (1 genus, 8 species)

Family **Gondwanotrichidae** Van Damme, Shiel & Dumont, 2007 (1 genus, 1 species)

Family **Ilyocryptidae** (1 genus, 28 species)

Family **Macrothricidae** Norman & Brady, 1867 (11 genera, 60 species)

Family **Moinidae** (2 genera, 29 species)

Family **Neothricidae** (1 genus, 3 species)

Family **Ophryoxidae** (2 genera, 3 species)

Infraorder **Onychopoda** Sars, 1865 (3 families)

Family **Cercopagididae** Mordukhai-Boltovskoi, 1968 (2 genera, 13 species)

Family **Podonidae** Mordukhai-Boltovskoi, 1968 (7 genera, 17 species)

-
1. **By** Shane T. Ahyong, James K. Lowry, Miguel Alonso, Roger N. Bamber, Geoffrey A. Boxshall, Peter Castro, Sarah Gerken, Gordan S. Karaman, Joseph W. Goy, Diana S. Jones, Kenneth Meland, D. Christopher Rogers, Jörundur Svavarsson (for full contact details, see the list of **Author roles and addresses** after **References**). The title of this contribution should be cited as “Subphylum Crustacea Brünnich, 1772. In: Zhang, Z.-Q. (Ed.) *Animal biodiversity: An outline of higher-level classification and survey of taxonomic richness*”. The Recent Crustacea in this paper includes approximately 1003 families, 9522 genera and 66914 species.
 2. Based on Brendonck *et al.* (2008), Forró *et al.* (2008), Van Damme *et al.* (2007a, b), Rogers (2009), Rogers & Coronel (2011).

- Family **Polyphemidae** Baird, 1845 (1 genus, 13 species)
 Infraorder **Haplopoda** Sars, 1865 (1 family)
 Family **Leptodoridae** Lilljeborg, 1900 (1 genus, 1 species)
 Class **Remipedia** Yager, 1981 (1 order)³
 Order **Nectiopoda** Schram, 1986 (3 families)
 Family **Godzilliidae** Schram, Yager & Emerson, 1986 (3 genera, 4 species)
 Family **Micropacteridae** Schram, Yager & Emerson, 1986 (1 genus, 1 species)
 Family **Speleonectidae** Yager, 1981 (4 genera, 13 species)
 Class **Cephalocarida** Sanders, 1955 (1 order)⁴
 Order **Brachypoda** Birshteyn, 1960 (1 family)
 Family **Hutchinsoniellidae** Sanders, 1955 (5 genera, 13 species)
 Class **Maxillopoda** Dahl, 1956 (6 subclasses)
 Subclass **Thecostraca** Gruvel, 1905 (3 infraclasses)
 Infraclass **Facetotecta** Grygier, 1985 (1 genus, 11 species)⁵
 Infraclass **Ascothoracida** Lacaze-Duthiers, 1880 (2 orders)⁶
 Order **Dendrogastrida** Grygier, 1987 (3 families)
 Family **Ascothoracidae** Grygier, 1987 (2 genera, 9 species)
 Family **Ctenosculidae** Thiele, 1925 (3 genera, 3 species)
 Family **Dendrogastridae** Gruvel, 1905 (3 genera, 38 species)
 Order **Laurida** Grygier, 1987 (3 families)
 Family **Lauridae** Gruvel, 1905 (4 genera, 19 species)
 Family **Petrarcidae** Gruvel, 1905 (3 genera, 11 species)
 Family **Synagogidae** Gruvel, 1905 (8 genera, 27 species)
 Infraclass **Cirripedia** Burmeister, 1834 (3 superorders)⁷
 Superorder **Acrothoracica** Gruvel, 1905 (2 orders)
 Order **Cryptophtialida** Kolbasov, 2009 (1 family)
 Family **Cryptophtialidae** Gerstaecker, 1866 (2 genera, 20 species)
 Order **Lithoglyptida** Kolbasov, 2009 (2 families)
 Family **Lithoglyptidae** Aurivillius, 1892 (7 genera, 36 species)
 Family **Trypetesidae** Stebbing, 1910 (2 genera, 7 species)
 Superorder **Rhizocephala** Müller, 1862 (2 orders)
 Order **Akentrogonida** Häfele, 1911 (6 families)
 Family **Chthamalophilidae** Bocquet-Védrine, 1961 (3 genera, 4 species)
 Family **Clistosaccidae** Boschma, 1928 (2 genera, 2 species)
 Family **Duplorbidae** Hoeg & Rybakov, 1992 (3 genera, 5 species)
 Family **Mycetomorphidae** Hoeg & Rybakov, 1992 (1 genus, 1 species)
 Family **Polysaccidae** Lützen & Takahashi, 1996 (1 genus, 2 species)
 Family **Thompsoniidae** Hoeg & Rybakov, 1992 (5 genera, 17 species)
 Family **Incertae Sedis** (1 genus, 1 species)
 Order **Kentrogonida** Delage, 1884 (3 families)
 Family **Lernaediscidae** Boschma, 1928 (3 genera, 16 species)
 Family **Peltogastridae** Lilljeborg, 1860 (14 genera, 37 species)
 Family **Sacculinidae** Lilljeborg, 1860 (7 genera, 169 species)
 Superorder **Thoracica** Darwin, 1854 (4 orders)
 Order **Ibliformes** Buckeridge & Newman, 2006 (1 suborder)
 Suborder **Iblomorpha** Newman, 1987 (2 families)
 Family **Iblidae** Leach, 1825 (2 genera, 3 species)
 Family **Iblioiblididae** Buckeridge & Newman, 2006 (3 genera, 5 species)

3. Based on Koenamann *et al.* (2007) and Iliffe *et al.* (2010)

4. Based on Stuardo & Vega (2011)

5. Based on Kolbasov *et al.* (2007)

6. Based on Grygier (1987), WoRMS (2011a)

7. Based on Newman & Ross (1976), Grygier & Newman (1991), Buckeridge (1998), Jones (2000), Pitombo (2004), Chan *et al.* (2009), Buckeridge & Newman (2010), Newman (2011), WoRMS (2011b), Ross & Frick (2011).

- Order **Lepadiformes** Buckeridge & Newman, 2006 (2 suborders)
- Suborder **Heteralepadomorpha** Newman, 1987 (5 families)
 - Family **Anelasmaticidae** Gruvel, 1905 (1 genus, 1 species)
 - Family **Heteralepadidae** Nilsson-Cantell, 1921 (3 genera, 39 species)
 - Family **Malacolepadidae** Hiro, 1937 (2 genera, 2 species)
 - Family **Microlepadidae** Zevina, 1980 (2 genera, 3 species)
 - Family **Rhizolepadidae** Zevina, 1980 (1 genus, 2 species)
 - Suborder **Lepadomorpha** Pilsbry, 1916 (4 families)
 - Family **Koleolepadidae** Hiro, 1933 (1 genus, 1 species)
 - Family **Lepadidae** Darwin, 1852 (3 genera, 12 species)
 - Family **Oxynaspididae** Gruvel, 1905 (1 genus, 20 species)
 - Family **Poecilasmaticidae** Annandale, 1909 (8 genera, 40 species)
- Order **Scalpelliformes** Buckeridge & Newman, 2006 (5 families)
- Family **Calanticidae** Zevina, 1978 (10 genera, 44 species)
 - Family **Eolepadidae** Buckeridge, 1983 (4 genera, 7 species)
 - Family **Lithotryidae** Gruvel, 1905 (1 genus, 3 species)
 - Family **Pollicipidae** Leach, 1817 (2 genera, 7 species)
 - Family **Scalpellidae** Pilsbry, 1907 (28 genera, 268 species)
- Order **Sessilia** Lamarck, 1818 (3 suborders)
- Suborder **Brachylepadomorpha** Withers, 1923 (1 family)
 - Family **Neobrachylepadidae** Newman & Yamaguchi, 1995 (1 genus, 1 species)
 - Suborder **Verrucomorpha** Pilsbry, 1916 (2 families)
 - Family **Neoverrucidae** Newman, 1989 (2 genera, 2 species)
 - Family **Verrucidae** Darwin, 1854 (10 genera, 63 species)
 - Suborder **Balanomorpha** Pilsbry, 1916 (6 superfamilies)
 - Superfamily **Chionelasmatoidea** Buckeridge, 1983 (1 family)
 - Family **Chionelasmaticidae** Buckeridge, 1983 (2 genera, 5 species)
 - Superfamily **Pachylasmatoidea** Utinomi, 1968 (1 family)
 - Family **Pachylasmaticidae** Utinomi, 1968 (7 genera, 26 species)
 - Superfamily **Chthamaloidea** Darwin, 1854 (2 families)
 - Family **Catophragmidae** Utinomi, 1968 (2 genera, 2 species)
 - Family **Chthamalidae** Darwin, 1854 (11 genera, 48 species)
 - Superfamily **Coronuloidea** Leach, 1817 (3 families)
 - Family **Chelonibiidae** Pilsbry, 1916 (1 genus, 6 species)
 - Family **Coronulidae** Leach, 1817 (5 genera, 5 species)
 - Family **Platylepadidae** Newman & Ross, 1976 (5 genera, 15 species)
 - Superfamily **Tetraclitoidea** Gruvel, 1903 (3 families)
 - Family **Austrobalanidae** Newman & Ross, 1976 (5 genera, 14 species)
 - Family **Bathylasmaticidae** Newman & Ross, 1971 (4 genera, 20 species)
 - Family **Tetraclitidae** Gruvel, 1903 (6 genera, 38 species)
 - Superfamily **Balanoidea** Leach, 1817 (3 families)
 - Family **Archaeobalanidae** Newman & Ross, 1976 (12 genera, 121 species)
 - Family **Balanidae** Leach, 1817 (16 genera, 94 species)
 - Family **Pyrgomatidae** Gray, 1825 (22 genera, 72 species)
- Subclass **Tantulocarida** Boxshall & Lincoln, 1983 (5 families)⁸
- Family **Basipodellidae** Boxshall & Lincoln, 1983 (7 genera, 8 species)
 - Family **Deoterthridae** Boxshall & Lincoln, 1987 (11 genera, 16 species)
 - Family **Doryphallophoridae** Huys, 1991 (2 genera, 4 species)
 - Family **Microdajidae** Boxshall & Lincoln, 1987 (2 genera, 6 species)
 - Family **Onceroxenidae** Huys, 1991 (1 genus, 2 species)
- Subclass **Branchiura** Thorell, 1864 (1 order)⁹

8. Based on Knudsen *et al.* (2009), Savchenko & Kolbasov (2009), Kolbasov & Savchenko (2010), Mohrbeck *et al.* (2010).

9. Based on Boxshall (2011)

- Order **Arguloidea** Yamaguti, 1963 (1 family)
 Family **Argulidae** Leach, 1819 (4 genera, 168 species)
- Subclass **Pentastomida** Diesing, 1836 (2 orders)¹⁰
 Order **Cephalobaenida** Heymons, 1935 (2 families)
 Family **Cephalobaenidae** Fain, 1961 (4 genera, 50 species)
 Family **Reighardiidae** Heymons, 1935 (2 genera, 3 species)
- Order **Porocephalida** Heymons, 1935 (4 families)
 Family **Linguatulidae** Heymons, 1935 (1 genus, 2 species)
 Family **Porocephalidae** Fain, 1961 (5 genera, 22 species)
 Family **Sebekiidae** Fain, 1961 (11 genera, 49 species)
 Family **Subtriquetridae** Fain, 1961 (1 genus, 4 species)
- Subclass **Mystacocarida** Pennak & Zinn, 1943 (1 order)¹¹
 Order **Mystacocaridida** Pennak & Zinn, 1943 (1 family)
 Family **Derocheilocarididae** Pennak & Zinn, 1943 (2 genera, 13 species)
- Subclass **Copepoda** Milne-Edwards, 1840 (1 infraclass)¹²
 Infraclass **Progymnoplea** Lang, 1948 (1 order)
 Order **Platycopioidea** Fosshagen, 1985 (1 family)
 Family **Platycopiidae** Sars, 1911 (4 genera, 11 species)
- Infraclass **Neocopepoda** Huys & Boxshall, 1991 (2 superorders)
 Superorder **Gymnoplea** Giesbrecht, 1882 (1 order)
 Order **Calanoida** Sars, 1903 (47 families)
 Family **Acartiidae** Sars, 1900 (4 genera, 97 species)
 Family **Aetideidae** Giesbrecht, 1893 (33 genera, 277 species)
 Family **Arctokonstantinidae** Markhaseva & Kosobokova, 2001 (2 genera, 2 species)
 Family **Arietellidae** Sars, 1902 (14 genera, 60 species)
 Family **Augaptilidae** Sars, 1905 (12 genera, 129 species)
 Family **Bathypontiidae** Brodsky, 1950 (4 genera, 21 species)
 Family **Boholinidae** Fosshagen & Iliffe, 1989 (1 genus, 2 species)
 Family **Calanidae** Dana, 1846 (9 genera, 72 species)
 Family **Candaciidae** Giesbrecht, 1893 (1 genus, 50 species)
 Family **Centropagidae** Giesbrecht, 1893 (14 genera, 147 species)
 Family **Clausocalanidae** Giesbrecht, 1893 (7 genera, 41 species)
 Family **Diaixidae** Sars, 1902 (5 genera, 14 species)
 Family **Diaptomidae** Baird, 1850 (64 genera, 566 species)
 Family **Discoidae** Gordejeva, 1975 (4 genera, 31 species)
 Family **Epacteriscidae** Fosshagen, 1973 (19 genera, 32 species)
 Family **Eucalanidae** Giesbrecht, 1893 (2 genera, 21 species)
 Family **Euchaetidae** Giesbrecht, 1893 (2 genera, 128 species)
 Family **Fosshageniidae** Suárez-Morales & Iliffe, 1996 (2 genera, 5 species)
 Family **Heterorhabdidae** Sars, 1902 (8 genera, 77 species)
 Family **Hyperbionychidae** Ohtsuka, Roe & Boxshall, 1993 (2 genera, 3 species)
 Family **Kyphocalanidae** Markhaseva & Schulz, 2009 (1 genus, 1 species)
 Family **Lucicutiidae** Sars, 1902 (1 genus, 51 species)
 Family **Megacalanidae** Sewell, 1947 (3 genera, 17 species)
 Family **Mesaiokeratidae** Matthews, 1961 (1 genus, 9 species)
 Family **Metridinidae** Sars, 1902 (3 genera, 47 species)
 Family **Nullosetigeridae** Soh, Ohtsuka, Imabayashi & Suh, 1999 (1 genus, 10 species)
 Family **Paracalanidae** Giesbrecht, 1893 (8 genera, 96 species)
 Family **Parapontellidae** Giesbrecht, 1893 (2 genera, 2 species)

10. Based on Heymons (1935), Self (1969), Riley & Self (1981), Almeida & Christoffersen (1999), Junker & Boomker (2006), Almeida *et al.* (2008).

11. Based on Martin (2009)

12. Based on Boxshall (2004) and WoRMS (2011c). Note that species numbers must be considered approximate as numerous synonymic issues remain to be resolved. We follow Boxshall (2004) in treating Poecilostomatoida as part of Cyclopoida.

- Family **Parkiidae** Ferrari & Markhaseva, 1996 (1 genus, 1 species)
 Family **Phaennidae** Sars, 1902 (9 genera, 114 species)
 Family **Pontellidae** Dana, 1853 (10 genera, 249 species)
 Family **Pseudocyclopiidae** Giesbrecht, 1893 (1 genus, 41 species)
 Family **Pseudocyclopiidae** Sars, 1902 (5 genera, 14 species)
 Family **Pseudodiaptomidae** Sars, 1902 (3 genera, 79 species)
 Family **Rhincalanidae** Geletin, 1976 (1 genus, 6 species)
 Family **Ridgewayiidae** M.S. Wilson, 1958 (11 genera, 34 species)
 Family **Rostrocalanidae** Markhaseva, Schulz & Martínez Arbizu, 2009 (1 genus, 2 species)
 Family **Ryocalanidae** Andronov, 1974 (1 genus, 6 species)
 Family **Scolecitrichidae** Giesbrecht, 1893 (31 genera, 304 species)
 Family **Spinocalanidae** Vervoort, 1951 (14 genera, 73 species)
 Family **Stephidae** Sars, 1902 (4 genera, 38 species)
 Family **Subeucalanidae** Giesbrecht, 1893 (1 genus, 10 species)
 Family **Sulcanidae** Nicholls, 1945 (1 genus, 1 species)
 Family **Temoridae** Giesbrecht, 1893 (4 genera, 64 species)
 Family **Tharybidae** Sars, 1902 (5 genera, 56 species)
 Family **Tortanidae** Sars, 1902 (1 genus, 41 species)
- Superorder **Podoplea** Giesbrecht, 1882 (7 orders)
- Order **Misophrioida** Gurney, 1933 (3 families)
- Family **Misophriidae** Brady, 1878 (8 genera, 16 species)
 Family **Palpophriidae** Boxshall & Jaume, 2000 (1 genus, 1 species)
 Family **Speleophriidae** Boxshall & Jaume, 2000 (7 genera, 20 species)
- Order **Cyclopoidea** Burmeister, 1834 (88 families)
- Family **Abrsidae** Karanovic, 2008 (1 genus, 1 species)
 Family **Anchimolgidae** Humes & Boxshall, 1996 (30 genera, 133 species)
 Family **Anomoclausidae** Gotto, 1964 (1 genus, 1 species)
 Family **Antheacheridae** M. Sars, 1870 (4 genera, 8 species)
 Family **Anthessiidae** Humes, 1986 (6 genera, 53 species)
 Family **Archinotodelphyidae** Lang, 1949 (2 genera, 5 species)
 Family **Ascidicolidae** Thorell, 1859 (11 genera, 16 species)
 Family **Bomolochidae** Sumpf, 1871 (19 genera, 149 species)
 Family **Botryllophilidae** Sars, 1921 (7 genera, 82 species)
 Family **Bradophilidae** Marchenkov, 2002 (2 genera, 2 species)
 Family **Buproridae** Thorell, 1859 (1 genus, 3 species)
 Family **Catiniidae** Bocquet & Stock, 1957 (4 genera, 8 species)
 Family **Chitonophilidae** Avdeev & Sirenko, 1991 (9 genera, 17 species)
 Family **Chondracanthidae** Milne Edwards, 1840 (48 genera, 196 species)
 Family **Chordeumiidae** Boxshall, 1988 (6 genera, 13 species)
 Family **Clausidiidae** Embleton, 1901 (15 genera, 116 species)
 Family **Clausiidae** Giesbrecht, 1895 (11 genera, 28 species)
 Family **Corallovexiidae** Stock, 1975 (2 genera, 10 species)
 Family **Corycaeidae** Dana, 1852 (6 genera, 92 species)
 Family **Cucumaricolidae** Bouligand & Delamare Deboutteville, 1959 (1 genus, 2 species)
 Family **Cyclopettidae** Martínez Arbizu, 2000 (4 genera, 10 species)
 Family **Cyclopinidae** Sars, 1913 (1 genus, 8 species)
 Family **Cyclopiidae** Dana, 1846 (72 genera, 850 species)
 Family **Cyclopinidae** Sars, 1913 (13 genera, 68 species)
 Family **Echiurophilidae** Delamare Deboutteville & Nunes-Ruivo, 1955 (2 genera, 3 species)
 Family **Enterognathidae** Illg & Dudley, 1980 (4 genera, 6 species)
 Family **Enteropsidae** C.W.S. Aurivillius, 1885 (5 genera, 60 species)

Family **Entobiidae** Ho, 1984 (1 genus, 3 species)
 Family **Erebonasteridae** Humes, 1987 (6 genera, 11 species)
 Family **Ergasilidae** von Nordmann, 1832 (27 genera, 255 species)
 Family **Eunicolidae** Sars, 1918 (2 genera, 3 species)
 Family **Fratiidae** Ho, Conradi & López-González, 1998 (1 genus, 1 species)
 Family **Gastrodelphyidae** List, 1889 (3 genera, 11 species)
 Family **Giselinidae** Martínez Arbizu, 2000 (2 genera, 4 species)
 Family **Herpyllobiidae** Hansen, 1892 (5 genera, 29 species)
 Family **Hemicyclopinidae** Martínez Arbizu, 2001 (8 genera, 28 species)
 Family **Intramolgidae** Marchenkov & Boxshall, 1995(1 genus, 1 species)
 Family **Kelleriidae** Humes & Boxshall, 1996(1 genus, 20 species)
 Family **Lamippidae** Joliet, 1882 (10 genera, 70 species)
 Family **Lernaeidae** Cobbold, 1879 (17 genera, 143 species)
 Family **Lernaesoleidae** Yamaguti, 1963 (2 genera, 2 species)
 Family **Lichomolgidae** Kossmann, 1877 (29 genera 169 species)
 Family **Lubbockiidae** Huys & Böttger-Schnack, 1997 (7 genera, 20 species)
 Family **Macrochironidae** Humes & Boxshall, 1996 (5 genera, 30 species)
 Family **Mantridae** Leigh-Sharpe, 1934 (3 genera, 3 species)
 Family **Mesoglicolidae** de Zulueta, 1911 (1 genus, 1 species)
 Family **Micrallactidae** Huys, 2001 (1 genus, 2 species)
 Family **Myicolidae** Yamaguti, 1936(8 genera, 26 species)
 Family **Mytilicolidae** Bocquet & Stock, 1957(4 genera, 14 species)
 Family **Nereicolidae** Claus, 1875 (9 genera, 18 species)
 Family **Notodelphyidae** Dana, 1853 (52 genera, 252 species)
 Family **Octopicolidae** Humes & Boxshall, 1996 (1 genus, 3 species)
 Family **Oithonidae** Dana, 1853 (4 genera, 83 species)
 Family **Oncaidae** Giesbrecht, 1893 (7 genera, 118 species)
 Family **Ozmanidae** Ho & Thatcher, 1989 (1 genus, 2 species)
 Family **Paralubbockiidae** Boxshall & Huys, 1990 (1 genus, 1 species)
 Family **Philichthyidae** Vogt, 1877 (9 genera, 77 species)
 Family **Philoblennidae** Izawa, 1976 (4 genera, 10 species)
 Family **Phyllocolidae** Delamare Deboutteville & Laubier, 1961 (2 genera, 3 species)
 Family **Pionodesmotidae** Bonnier, 1898 (1 genus, 1 species)
 Family **Polyankyliidae** Ho & Kim, 1997 (1 genus, 2 species)
 Family **Psammocyclopinidae** Martínez Arbizu, 2001 (2 genera, 6 species)
 Family **Pseudanthessiidae** Humes & Stock, 1972 (6 genera, 57 species)
 Family **Pterinopsyllidae** Sars, 1913 (2 genera, 10 species)
 Family **Rhynchomolgidae** Humes & Stock, 1972 (45 genera, 267 species)
 Family **Sabelliphilidae** Gurney, 1927 (9 genera, 26 species)
 Family **Saccopsidae** Lutzen, 1964 (1 genus, 4 species)
 Family **Sapphirinidae** Thorell, 1860 (5 genera, 85 species)
 Family **Schminkepinellidae** Martínez Arbizu, 2006 (5 genera, 9 species)
 Family **Serpulidicolidae** Stock, 1979 (5 genera, 9 species)
 Family **Shiinoidae** Cressey, 1975 (2 genera, 9 species)
 Family **Smirnovipinidae** Martínez Arbizu, 1997 (4 genera, 11 species)
 Family **Speleoithonidae** da Rocha & Iliffe, 1991 (1 genus, 3 species)
 Family **Spiophanicolidae** Ho, 1984(1 genus, 1 species)
 Family **Splanchnotrophidae** Norman & T. Scott, 1906 (5 genera, 23 species)
 Family **Synapticolidae** Humes & Boxshall, 1996 (9 genera, 51 species)
 Family **Synaptiphilidae** Bocquet, 1953 (3 genera, 9 species)
 Family **Taeniacanthidae** C.B. Wilson, 1911 (17 genera, 108 species)
 Family **Tegobomolochidae** G.V. Avdeev, 1978 (1 genus, 1 species)
 Family **Telsidae** Ho, 1967 (1 genus, 2 species)
 Family **Thamnomolgidae** Humes & Boxshall, 1996 (3 genera, 4 species)

- Family **Thaumatopsyllidae** Sars, 1913 (4 genera, 5 species)
 Family **Tuccidae** Vervoort, 1962 (1 genus, 1 species)
 Family **Umarzurcolidae** Ho, Ohtsuka & Nakadachi, 2006 (1 genus, 1 species)
 Family **Urocopiidae** Humes & Stock, 1972 (1 genus, 3 species)
 Family **Vahiniidae** Humes, 1967 (1 genus, 2 species)
 Family **Ventriculinidae** Leigh-Sharpe, 1934 (2 genera, 3 species)
 Family **Xarifiidae** Humes, 1960 (5 genera, 92 species)
 Family **Xenocoelomatidae** Bresciani & Lützen, 1966 (2 genera, 3 species)
 Family **Incertae Sedis** (*Akessonia*-group) (3 genera, 3 species)
 Family **Incertae Sedis** (*Axinophilus*-group) (2 genera, 3 species)
 Family **Incertae Sedis** (*Endocheres*-group) (1 genus, 1 species)
 Family **Incertae Sedis** (*Gonophysema*-group) (4 genera, 4 species)
 Family **Incertae Sedis** (*Ive*-group) (2 genera, 2 species)
 Family **Incertae Sedis** (*Octophiophora*-group) (2 genera, 2 species)
 Family **Incertae Sedis** (*Pachos*-group) (1 genus, 3 species)
 Family **Incertae Sedis** (*Ophelicola*-group) (1 genus, 1 species)
 Family **Incertae Sedis** (*Teredicola*-group) (4 genera, 11 species)
- Order **Gelyelloida** Huys, 1988 (1 family)
 Family **Gelyellidae** Rouch & Lescher-Moutoué, 1977 (1 genus, 2 species)
- Order **Mormonilloida** Boxshall, 1979 (1 family)
 Family **Mormonillidae** Giesbrecht, 1893 (2 genera, 5 species)
- Order **Harpacticoida** Sars, 1903 (59 families)
 Family **Adenopleurellidae** Huys, 1990 (3 genera, 4 species)
 Family **Aegisthidae** Giesbrecht, 1893 (13 genera, 89 species)
 Family **Ameiridae** Monard, 1927 (48 genera, 455 species)
 Family **Ancorabolidae** Sars, 1909 (15 genera, 81 species)
 Family **Arenopontiidae** Martínez Arbizu & Moura, 1994 (6 genera, 39 species)
 Family **Argestidae** Por, 1986 (20 genera, 95 species)
 Family **Balaenophilidae** Sars, 1910 (1 genus, 3 species)
 Family **Cancrincolidae** Fiers, 1990 (4 genera, 8 species)
 Family **Canthocamptidae** Sars, 1906 (61 genera, 1232 species)
 Family **Canuellidae** Lang, 1944 (18 genera, 106 species)
 Family **Chappuisiidae** Chappuis, 1940 (1 genus, 2 species)
 Family **Cletodidae** T. Scott, 1904 (24 genera, 164 species)
 Family **Cletopsyllidae** Huys & Willems, 1989 (5 genera, 16 species)
 Family **Cristacoxidae** Huys, 1990 (2 genera, 4 species)
 Family **Cylindropsyllidae** Sars, 1909 (9 genera, 31 species)
 Family **Dactylopusiidae** Sars, 1905 (6 genera, 123 species)
 Family **Darcythompsoniidae** Lang, 1936 (4 genera, 40 species)
 Family **Ectinosomatidae** Sars, 1903 (22 genera, 347 species)
 Family **Euterpinidae** Brian, 1921 (1 genus, 3 species)
 Family **Hamondiidae** Huys, 1990 (3 genera, 5 species)
 Family **Harpacticidae** Dana, 1846 (15 genera, 142 species)
 Family **Heteropsyllidae** Kornev & Chertoprud, 2008 (1 genus, 1 species)
 Family **Idyanthidae** Lang, 1948 (8 genera, 22 species)
 Family **Laophontidae** T. Scott, 1905 (76 genera, 475 species)
 Family **Laophontopsidae** Huys & Willems, 1989 (3 genera, 15 species)
 Family **Latiremidae** Božić, 1969 (2 genera, 6 species)
 Family **Leptastacidae** Lang, 1948 (18 genera, 101 species)
 Family **Leptopontiidae** Lang, 1948 (4 genera, 40 species)
 Family **Longipediidae** Sars, 1903 (1 genus, 23 species)
 Family **Louriniidae** Monard, 1927 (1 genus, 3 species)
 Family **Metidae** Sars, 1910 (2 genera, 18 species)
 Family **Miraciidae** Dana, 1846 (54 genera, 691 species)

Family **Nannopodidae** Brady, 1880 (6 genera, 16 species)
 Family **Neobradidae** Olofsson, 1917 (4 genera, 10 species)
 Family **Normanellidae** Huys & Willems, 1989 (4 genera, 27 species)
 Family **Novocriniidae** Huys & Iliffe, 1998 (2 genera, 4 species)
 Family **Orthopsyllidae** Huys, 1990 (1 genus, 16 species)
 Family **Parameiropsidae** Corgosinho & Martínez Arbizu, 2010 (1 genus, 8 species)
 Family **Paramesochridae** Lang, 1944 (14 genera, 159 species)
 Family **Parastenheliidae** Lang, 1936 (3 genera, 23 species)
 Family **Parastenocarididae** Chappuis, 1940 (28 genera, 352 species)
 Family **Peltidiidae** Sars, 1904 (11 genera, 115 species)
 Family **Phyllognathopodidae** Gurney, 1932 (4 genera, 13 species)
 Family **Porcellidiidae** Boeck, 1865 (9 genera, 85 species)
 Family **Protolatiremidae** Božić, 1969 (1 genus, 1 species)
 Family **Pseudotachidiidae** Lang, 1936 (25 genera, 160 species)
 Family **Rhizotrichidae** Por, 1986 (2 genera, 21 species)
 Family **Rhynchothalestridae** Lang, 1948 (2 genera, 10 species)
 Family **Rometidae** Seifried & Schminke, 2003 (1 genus, 1 species)
 Family **Rotundiclipeidae** Huys, 1988 (1 genus, 1 species)
 Family **Superornatiremidae** Huys, 1996 (4 genera, 10 species)
 Family **Tachidiidae** Boeck, 1865 (6 genera, 33 species)
 Family **Tegastidae** Sars, 1904 (6 genera, 83 species)
 Family **Tetragonicepsidae** Lang, 1944 (14 genera, 122 species)
 Family **Thalestridae** Sars, 1905 (10 genera, 110 species)
 Family **Thompsonulidae** Lang, 1944 (2 genera, 7 species)
 Family **Tisbidae** Stebbing, 1910 (22 genera, 165 species)
 Family **Zosimeidae** Seifrid, 2003 (3 genera, 19 species)
 Family **Incertae Sedis** (8 genera, 12 species)

Order **Siphonostomatoida** Thorell, 1859 (43 families)

Family **Amasterasidae** Izawa, 2008 (1 genus, 1 species)
 Family **Archidactylinidae** Izawa, 1996 (1 genus, 1 species)
 Family **Artotrogidae** Brady, 1880 (22 genera, 124 species)
 Family **Asterocheridae** Giesbrecht, 1899 (56 genera, 294 species)
 Family **Brychiopontiidae** Humes, 1974 (2 genera, 2 species)
 Family **Caligidae** Burmeister, 1834 (37 genera, 559 species)
 Family **Calverocheridae** Stock, 1968 (1 genus, 3 species)
 Family **Cancerillidae** Giesbrecht, 1897 (7 genera, 16 species)
 Family **Cecropidae** Dana, 1849 (5 genera, 11 species)
 Family **Codobidae** Boxshall & Ohtsuka, 2001 (1 genus, 1 species)
 Family **Coralliomyzontidae** Humes & Stock, 1991 (4 genera, 6 species)
 Family **Dichelethiidae** Milne Edwards, 1840 (2 genera, 2 species)
 Family **Dichelinidae** Boxshall & Ohtsuka, 2001 (1 genus, 2 species)
 Family **Dinopontiidae** Murnane, 1967 (2 genera, 5 species)
 Family **Dirivultidae** Humes & Dojiri, 1981 (13 genera, 51 species)
 Family **Dissonidae** Yamaguti, 1963 (1 genus, 12 species)
 Family **Ecbathyriontidae** Humes, 1987 (1 genus, 1 species)
 Family **Entomolepididae** Brady, 1899 (7 genera, 12 species)
 Family **Eudactylinidae** Wilson, 1922 (12 genera, 67 species)
 Family **Hatschekiidae** Kabata, 1979 (8 genera, 150 species)
 Family **Hyponeoidae** Heegaard, 1962 (3 genera, 3 species)
 Family **Kroyeriidae** Kabata, 1979 (3 genera, 27 species)
 Family **Lernaepodidae** Milne Edwards, 1840 (49 genera, 434 species)
 Family **Lernanthropidae** Kabata, 1979 (8 genera, 145 species)
 Family **Megapontiidae** Heptner, 1968 (1 genus, 10 species)
 Family **Micropontiidae** Gooding, 1957 (1 genus, 2 species)

- Family **Nanaspidae** Humes & Cressey, 1959 (5 genera, 19 species)
 Family **Nicothoidae** Dana, 1849 (21 genera, 143 species)
 Family **Pandaridae** Milne Edwards, 1840 (17 genera, 105 species)
 Family **Pennellidae** Burmeister, 1834 (21 genera, 163 species)
 Family **Pontociellidae** Giesbrecht, 1895 (1 genus, 1 species)
 Family **Pseudocycnidae** Wilson, 1922 (3 genera, 5 species)
 Family **Pseudohatschekiidae** Tang, Izawa, Uyeno & Nagasawa, 2010 (1 genus, 2 species)
 Family **Rataniidae** Giesbrecht, 1897 (1 genus, 2 species)
 Family **Scottomyzontidae** Ivanenko, Ferrari, & Smurov, 2001 (1 genus, 1 species)
 Family **Sphyridae** Wilson, 1919 (9 genera, 40 species)
 Family **Sponginticolidae** Topsent, 1928 (1 genus, 2 species)
 Family **Spongiocnizontidae** Stock & Kleeton, 1964 (1 genus, 3 species)
 Family **Stellicomitidae** Humes & Cressey, 1958 (7 genera, 12 species)
 Family **Tanypleuridae** Kabata, 1969 (1 genus, 1 species)
 Family **Trebiidae** Wilson, 1905 (3 genera, 19 species)
 Family **Incertae Sedis** (7 genera, 7 species)
 Order **Monstrilloida** Sars, 1901 (1 family)
 Family **Monstrillidae** Dana, 1849 (6 genera, 156 species)
 Class **Ostracoda** Latreille, 1802 (2 subclasses)¹³
 Subclass **Myodocopa** Sars, 1866 (2 orders)
 Order **Myodocopida** Sars, 1866 (1 suborder)
 Suborder **Myodocopina** Sars, 1866 (3 superfamilies)
 Superfamily **Cypridinoidea** Baird, 1850 (1 family)
 Family **Cypridinidae** Baird, 1850 (27 genera, 196 species)
 Superfamily **Cylindroleberidoidea** Müller, 1906 (1 family)
 Family **Cylindroleberididae** Müller, 1906 (31 genera, 306 species)
 Superfamily **Sarsielloidea** Brady & Norman, 1896 (3 families)
 Family **Philomedidae** Müller, 1906 (15 genera, 144 species)
 Family **Rutidermatidae** Brady & Norman, 1896 (4 genera, 44 species)
 Family **Sarsiellidae** Brady & Norman, 1896 (16 genera, 178 species)
 Order **Halocyprida** Dana, 1853 (2 suborders)
 Suborder **Cladocopina** Sars, 1865 (1 superfamily)
 Superfamily **Polycopoidea** Sars, 1865 (1 family)
 Family **Polycopidae** Sars, 1865 (14 genera, 123 species)
 Suborder **Halocypridina** Dana, 1853 (2 superfamilies)
 Superfamily **Halocypridoidea** Dana, 1853 (1 family)
 Family **Halocyprididae** Dana, 1853 (54 genera, 235 species)
 Superfamily **Thaumatocypridoidea** Müller, 1906 (1 family)
 Family **Thaumatocyprididae** Müller, 1906 (4 genera, 35 species)
 Subclass **Podocopa** Müller, 1894 (3 orders)
 Order **Platycopida** Sars, 1866 (1 family)
 Family **Cytherellidae** Sars, 1866 (6 genera, 126 species)
 Order **Palaeocopida** Henningsmoean, 1953 (1 family)
 Family **Punciidae** Hornibrook, 1949 (2 genera, 3 species)
 Order **Podocopida** Sars, 1866 (5 suborders)
 Suborder **Bairdiocopina** Sars, 1865 (1 superfamily)
 Superfamily **Bairdioidea** Sars, 1865 (2 families)
 Family **Bairdiidae** Sars, 1865 (12 genera, 179 species)
 Family **Bythocyprididae** Maddocks, 1969 (5 genera, 88 species)
 Suborder **Cypridocopina** Jones, 1901 (3 superfamilies)
 Superfamily **Cypridoidea** Baird, 1845 (4 families)

13. Based on Martens & Savatnalinton (2011), WoRMS (2011d), Hart & Hart (1974) and Hobbs & Peters (1977).

- Family **Candonidae** Kaufmann, 1900 (63 genera, 736 species)
 - Family **Cyprididae** Baird, 1845 (100 genera, 973 species)
 - Family **Ilyocyprididae** Kaufmann, 1900 (1 genus, 34 species)
 - Family **Notodromadidae** Kaufmann, 1900 (9 genera, 37 species)
 - Superfamily **Macrocypridoidea** Müller, 1912 (1 family)
 - Family **Macrocyprididae** Müller, 1912 (9 genera, 118 species)
 - Superfamily **Pontocypridoidea** Müller, 1894 (1 family)
 - Family **Pontocyprididae** Müller, 1894 (10 genera, 157 species)
 - Suborder **Cytherocopina** Baird, 1850 (2 superfamilies)
 - Superfamily **Cytheroidea** Baird, 1850 (31 families)
 - Family **Australocytheridae** Hartmann, 1980 (1 genus, 1 species)
 - Family **Bonaducecytheridae** Mackenzie, 1977 (1 genus, 1 species)
 - Family **Bythocytheridae** Sars, 1866 (32 genera, 165 species)
 - Family **Cobanocytheridae** Schornikov, 1975 (3 genera, 15 species)
 - Family **Cuneocytheridae** Mandelstam, 1959 (1 genus, 1 species)
 - Family **Cushmanideidae** Puri, 1973 (2 genera, 39 species)
 - Family **Cytheralisonidae** Jellinek & Swanson, 2003 (2 genera, 7 species)
 - Family **Cytherettidae** Triebel 1972 (3 genera, 20 species)
 - Family **Cytheridae** Baird, 1850 (28 genera, 165 species)
 - Family **Cytherideidae** Sars, 1925 (25 genera, 221 species)
 - Family **Cytheromatidae** Elofson, 1939 (7 genera, 46 species)
 - Family **Cytheruridae** Müller, 1894 (31 genera, 608 species)
 - Family **Entocytheridae** Hoff, 1942 (32 genera, 185 species)
 - Family **Eucytheridae** Puri, 1954 (2 genera, 21 species)
 - Family **Hemicytheridae** Puri, 1953 (58 genera, 447 species)
 - Family **Kliellidae** Schäfer, 1945 (2 genera, 2 species)
 - Family **Krithidae** Mandelstam, 1958 (6 genera, 80 species)
 - Family **Leptocytheridae** Hanai, 1957 (17 genera, 183 species)
 - Family **Limnocytheridae** Klie, 1938 (23 genera, 154 species)
 - Family **Loxoconchidae** Sars, 1925 (27 genera, 299 species)
 - Family **Microcytheridae** Klie, 1938 (1 genus, 33 species)
 - Family **Neocytherideidae** Puri, 1957 (3 genera, 31 species)
 - Family **Paradoxostomatidae** Brady & Norman, 1889 (25 genera, 296 species)
 - Family **Parvocytheridae** Hartmann, 1959 (3 genera, 11 species)
 - Family **Pectocytheridae** Hanai, 1957 (8 genera, 44 species)
 - Family **Psammocytheridae** Klie, 1938 (1 genus, 2 species)
 - Family **Saididae** Aranki, McKenzie, Reymont & Reymont 1992 (1 genus, 3 species)
 - Family **Schizocytheridae** Howe, 1961 (3 genera, 19 species)
 - Family **Thaerocytheridae** Hazel, 1967 (5 genera, 38 species)
 - Family **Trachyleberididae** Sylvester-Bradley, 1948 (102 genera, 494 species)
 - Family **Xestoleberididae** Sars, 1928 (12 genera, 189 species)
 - Family **Incertae Sedis** (1 genus, 1 species)
 - Superfamily **Terrestricytheroidea** Schornikov, 1969 (1 family)
 - Family **Terrestricytheridae** Schornikov, 1969 (1 genus, 5 species)
 - Suborder **Darwinulocopina** Sohn, 1988 (1 superfamily)
 - Superfamily **Darwinuloidea** Brady & Norman, 1889 (1 family)
 - Family **Darwinulidae** Brady & Norman, 1889 (5 genera, 31 species)
 - Suborder **Sigilliocopina** Martens, 1992 (2 superfamilies)
 - Superfamily **Sigillioidea** Mandelstam, 1960 (2 families)
 - Family **Saipanettidae** Mackenzie, 1968 (1 genus, 6 species)
 - Family **Sigilliidae** Mandelstam, 1960 (2 genera, 2 species)
- Class **Malacostraca** Latreille, 1802 (3 subclasses)
- Subclass **Phyllocarida** Packard, 1879 (1 order)
 - Order **Leptostraca** Claus, 1880 (3 families)¹⁴

- Family **Nebaliidae** Samouelle, 1819 (5 genera, 36 species)
 Family **Nebaliopsidae** Hessler, 1984 (2 genera, 2 species)
 Family **Paranebaliidae** Walker-Smith & Poore, 2001 (3 genera, 6 species)
- Subclass **Hoplocarida** Calman, 1904 (1 order)
 Order **Stomatopoda** Latreille, 1817 (1 suborder)¹⁵
 Suborder **Unipeltata** Latreille, 1825 (7 superfamilies)
 Superfamily **Bathysquilloidea** Manning, 1967 (2 families)
 Family **Bathysquillidae** Manning, 1967 (2 genera, 3 species)
 Family **Indosquillidae** Manning, 1995 (1 genus, 1 species)
 Superfamily **Gonodactyloidea** Giesbrecht, 1910 (7 families)
 Family **Alainosquillidae** Moosa, 1991 (1 genus, 1 species)
 Family **Hemisquillidae** Manning, 1980 (1 genus, 4 species)
 Family **Gonodactylidae** Giesbrecht, 1910 (9 genera, 60 species)
 Family **Odontodactylidae** Manning, 1980 (1 genus, 8 species)
 Family **Protosquillidae** Manning, 1980 (7 genera, 36 species)
 Family **Pseudosquillidae** Manning, 1977 (4 genera, 10 species)
 Family **Takuidae** Manning, 1995 (3 genera, 7 species)
 Superfamily **Erythroquilloidea** Manning & Bruce, 1984 (1 family)
 Family **Erythroquillidae** Manning & Bruce, 1984 (1 genus, 2 species)
 Superfamily **Lysiosquilloidea** Giesbrecht, 1910 (4 families)
 Family **Coronididae** Manning, 1980 (5 genera, 10 species)
 Family **Lysiosquillidae** Giesbrecht, 1910 (3 genera, 19 species)
 Family **Nannosquillidae** Manning, 1980 (14 genera, 61 species)
 Family **Tetrasquillidae** Manning & Camp, 1993 (8 genera, 18 species)
 Superfamily **Squilloidea** Latreille, 1802 (1 family)
 Family **Squillidae** Latreille, 1802 (46 genera, 176 species)
 Superfamily **Eurysquilloidea** Manning, 1977 (1 family)
 Family **Eurysquillidae** Manning, 1977 (6 genera, 31 species)
 Superfamily **Parasquilloidea** Manning, 1995 (1 family)
 Family **Parasquillidae** Manning, 1995 (3 genera, 13 species)
- Subclass **Eumalacostraca** Grobben, 1892 (3 superorders)
 Superorder **Syncarida** Packard, 1885 (2 orders)¹⁶
 Order **Bathynellacea** Chappuis, 1915 (2 families)
 Family **Bathynellidae** Chappuis, 1915 (26 genera, 91 species)
 Family **Parabathynellidae** Noodt, 1965 (41 genera, 150 species)
 Order **Anaspidacea** Calman, 1904 (5 families)
 Family **Anaspididae** Thomson, 1893 (3 genera, 5 species)
 Family **Koonungidae** Sayce, 1908 (2 genera, 3 species)
 Family **Patagonaspididae** Grosso & Peralta, 2002 (1 genus, 1 species)
 Family **Psammaspididae** Schminke, 1974 (2 genera, 2 species)
 Family **Stygocarididae** Noodt, 1963 (4 genera, 10 species)
- Superorder **Peracarida** Calman, 1904 (10 orders)
 Order **Spelaeogriphacea** Gordon, 1957 (1 family)
 Family **Spelaeogriphidae** Gordon, 1957 (3 genera, 4 species)
 Order **Thermosbaenacea** Monod, 1927 (4 families)
 Family **Halosbaenidae** Monod & Cals, 1988 (3 genera, 6 species)
 Family **Monodellidae** Taramelli, 1954 (2 genera, 25 species)
 Family **Thermosbaenidae** Monod, 1927 (1 genus, 1 species)
 Family **Tulumellidae** Wagner, 1994 (1 genus, 3 species)
 Order **Lophogastrida** Boas, 1883 (3 families)
 Family **Eucopiidae** Dana, 1852 (1 genus, 10 species)

14. Based on Walker-Smith & Poore (2001), Haney & Martin (2004), Roccatagliata *et al.* (2010)

15. Based on Ahyong & Harling (2000), Ahyong (2001), Schram & Müller (2004) and Ahyong *et al.* (2009)

16. Based on Camacho (2006), Camacho *et al.* (2009), Hong & Cho (2009), Ranga Reddy & Totakura (2010).

- Family **Lophogastridae** Sars, 1870 (6 genera, 36 species)
 Family **Gnathophausiidae** Udrescu, 1984 (1 genus, 10 species)
 Order **Mysida** Haworth, 1825 (4 families)
 Family **Lepidomysidae** Clarke, 1961 (1 genus, 9 species)
 Family **Mysidae** Haworth, 1825 (191 genera, 1139 species)
 Family **Petalophthalmidae** Czerniavsky, 1882 (6 genera, 37 species)
 Family **Stygiomysidae** Caroli, 1937 (1 genus, 6 species)
 Order **Mictacea** Bowman, Garner, Hessler, Iliffe & Sanders, 1985 (1 family)
 Family **Mictocarididae** Bowman & Iliffe, 1985 (1 genus, 1 species)
 Order **Bochusacea** Gutu & Iliffe, 1998 (1 family)
 Family **Hirsutiidae** Sanders, Hessler & Garner, 1985 (3 genera, 5 species)
 Order **Amphipoda** (190 families)
 Family **Acanthogammaridae** Garjajewia 1901 (41 genera, 159 species)
 Family **Acanthonotozomatidae** Stebbing, 1906 (4 genera, 17 species)
 Family **Acidostomatidae** Lowry & Stoddart, 2011 (2 genera, 11 species)
 Family **Aetiopedesidae** Myers & Lowry, 2003 (1 genus, 1 species)
 Family **Alicellidae** Lowry & De Broyer, 2008 (6 genera, 16 species)
 Family **Allocrangonyctidae** Holsinger, 1989 (3 genera, 69 species)
 Family **Amaryllididae** Lowry & Stoddart, 2002 (8 genera, 35 species)
 Family **Amathillopsidae** Pirlot, 1934 (4 genera, 20 species)
 Family **Ampeliscidae** Krøyer, 1842 (4 genera, 284 species)
 Family **Amphilochidae** Boeck, 1871 (14 genera, 89 species)
 Family **Ampithoidae** Stebbing, 1899 (13 genera, 170 species)
 Family **Anapronoidae** Bowman & Gruner, 1973 (1 genus, 1 species)
 Family **Anisogammaridae** Bousfield, 1977 (12 genera, 62 species)
 Family **Aoridae** Stebbing, 1899 (24 genera, 228 species)
 Family **Archaeoscinidae** K.H. Barnard, 1930 (2 genera, 6 species)
 Family **Argissidae** Walker, 1904 (1 genus, 1 species)
 Family **Aristiidae** Lowry & Stoddart, 1997 (5 genera, 39 species)
 Family **Atylidae** Lilljeborg, 1865 (9 genera, 76 species)
 Family **Baikalogammaridae** Kamaltynov 2001 (1 genus, 1 species)
 Family **Bateidae** Stebbing, 1906 (1 genus, 15 species)
 Family **Behningiellidae** Kamaltynov 2001 (3 genera, 4 species)
 Family **Biancolinidae** J.L. Barnard, 1972 (1 genus, 8 species)
 Family **Bogidiellidae** Hertzog, 1936 (38 genera, 179 species)
 Family **Bolttsiidae** Barnard & Karaman, 1987 (1 genus, 2 species)
 Family **Bougisidae** Zeidler, 2004 (1 genus, 1 species)
 Family **Brachyscelidae** Stephensen, 1923 (2 genera, 5 species)
 Family **Calliopiidae** G.O. Sars, 1895 (25 genera, 101 species)
 Family **Caprellidae** Leach, 1814 (88 genera, 401 species)
 Family **Caprogammaridae** Kudrjaschov & Vassilenko, 1966 (1 genus, 2 species)
 Family **Carangoliopsidae** Bousfield, 1977 (1 genus, 1 species)
 Family **Cardenioidae** Barnard & Karaman, 1987 (1 genus, 1 species)
 Family **Caspicolidae** Birstein, 1945 (1 genus, 1 species)
 Family **Cebocaridae** Lowry & Stoddart, 2011 (9 genera, 15 species)
 Family **Ceinidae** J.L. Barnard, 1972 (3 genera, 7 species)
 Family **Cheidae** Thurston, 1982 (1 genus, 1 species)
 Family **Cheirocratidae** Ren, 2006 (7 genera, 18 species)
 Family **Cheluridae** Allman, 1847 (3 genera, 4 species)
 Family **Chevaliidae** Myers & Lowry, 2003 (1 genus, 6 species)
 Family **Chiltoniidae** J.L. Barnard, 1972 (6 genera, 11 species)
 Family **Chuneolidae** Woltereck, 1909 (1 genus, 3 species)
 Family **Colomastigidae** Stebbing, 1899 (2 genera, 48 species)
 Family **Condukiidae** Barnard & Drummond, 1982 (1 genus, 2 species)

Family **Corophiidae** Leach, 1814 (25 genera, 149 species)
Family **Crangonyctidae** Bousfield, 1973 (9 genera, 225 species)
Family **Cressidae** Stebbing, 1899 (2 genera, 10 species)
Family **Crymostygidae** Kristjánsson & Svavarsson, 2004 (1 genus, 1 species)
Family **Cyamidae** Rafinesque, 1815 (6 genera, 31 species)
Family **Cyclocaridae** Lowry & Stoddart, 2011 (1 genus, 2 species)
Family **Cyphocarididae** Lowry & Stoddart, 1997 (2 genera, 13 species)
Family **Cyproideidae** J.L. Barnard, 1974 (18 genera, 44 species)
Family **Cystisomatidae** Willemoes-Suhm, 1875 (1 genus, 7 species)
Family **Dairellidae** Bovallius, 1877 (1 genus, 1 species)
Family **Dexaminidae** Leach, 1814 (11 genera, 121 species)
Family **Didymocheliidae** Bellan-Santini & Ledoyer, 1986 (2 genera, 4 species)
Family **Dikwidae** Coleman & Barnard, 1991 (1 genus, 2 species)
Family **Dogielinotidae** Gurjanova, 1953 (13 genera, 107 species)
Family **Dulichiiidae** Laubitz, 1983 (6 genera, 27 species)
Family **Endevouridae** Lowry & Stoddart, 1997 (2 genera, 12 species)
Family **Eophliantidae** Sheard, 1936 (6 genera, 13 species)
Family **Epimeriidae** Boeck, 1871 (5 genera, 61 species)
Family **Eulimnogammaridae** Kamaltynov, 1999 (19 genera, 115 species)
Family **Eurytheneidae** Stoddart & Lowry, 2004 (1 genus, 3 species)
Family **Eusiridae** Stebbing, 1888 (10 genera, 111 species)
Family **Exoedicerotidae** Barnard & Drummond, 1982 (12 genera, 20 species)
Family **Gammaracanthidae** Bousfield, 1989 (2 genera, 6 species)
Family **Gammarellidae** Bousfield, 1977 (3 genera, 8 species)
Family **Gammaridae** Leach, 1814 (35 genera, ~386 species)
Family **Gammaroporeiidae** Bousfield, 1979 (1 genus, 1 species)
Family **Hadziidae** S. Karaman, 1943 (27 genera, 90 species)
Family **Hirondeidae** Lowry & Stoddart, 2010 (1 genus, 16 species)
Family **Hyalidae** Bulycheva, 1957 (14 genera, 143 species)
Family **Haustoriidae** Stebbing, 1906 (8 genera, 45 species)
Family **Hyperiididae** Dana, 1852 (5 genera, 26 species)
Family **Hyperopsidae** Bovallius, 1886 (3 genera, 14 species)
Family **Iciliidae** Dana, 1849 (1 genus, 7 species)
Family **Ingolfiellidae** Hansen, 1903 (12 genera, 45 species)
Family **Ipanemidae** Barnard & Thomas, 1988 (1 genus, 1 species)
Family **Iphigenellidae** Kamaltynov, 2001 (1 genus, 1 species)
Family **Iphimediidae** Boeck, 1871 (14 genera, 100 species)
Family **Isaeidae** Dana, 1853 (2 genera, 4 species)
Family **Ischyroceridae** Stebbing, 1899 (37 genera, 231 species)
Family **Iulopididae** Zeidler, 2004 (1 genus, 2 species)
Family **Izinkalidae** Lowry & Stoddart, 2010 (1 genus, 1 species)
Family **Kamakidae** Myers & Lowry, 2003 (10 genera, 32 species)
Family **Kergueleniidae** Lowry & Stoddart, 2010 (2 genera, 26 species)
Family **Kotumsaridae** Missouli, Holsinger & Reddy, 2007 (1 genus, 1 species)
Family **Kuriidae** J.L. Barnard, 1964 (1 genus, 2 species)
Family **Lafystiidae** G.O. Sars, 1895 (3 genera, 5 species)
Family **Lanceolidae** Bovallius, 1887 (4 genera, 23 species)
Family **Laphystiopsidae** Stebbing, 1899 (3 genera, 8 species)
Family **Lepidepcrellidae** Lowry & Stoddart, 2010 (1 genus, 10 species)
Family **Lestrigonidae** Zeidler, 2004 (6 genera, 17 species)
Family **Leucothoidae** Dana, 1852 (6 genera, 137 species)
Family **Liljeborgiidae** Stebbing, 1899 (4 genera, 104 species)
Family **Luciobliviidae** Tomikawa 2007 (1 genus, 1 species)
Family **Lycaeidae** Claus, 1879 (2 genera, 7 species)

Family **Lycaeopsidae** Chevreux, 1913 (1 genus, 2 species)
 Family **Lysianassidae** Dana, 1849 (78 genera, 491 species)
 Family **Macrohctopodidae** Sowinsky, 1915 (2 genera, 2 species)
 Family **Maeridae** Krapp-Schickel, 2008 (42 genera, 328 species)
 Family **Maxillipiidae** Ledoyer, 1973 (2 genera, 3 species)
 Family **Megaluropidae** Thomas & Barnard, 1986 (4 genera, 16 species)
 Family **Melitidae** Bousfield, 1983 (46 genera, 181 species)
 Family **Melphidippidae** Stebbing, 1899 (3 genera, 14 species)
 Family **Mesogammaridae** Bousfield, 1977 (5 genera, 6 species)
 Family **Metacrangonyctidae** Boutin & Missouli, 1988 (2+1 genera, 19+1 species)
 Family **Metaingolfiellidae** Ruffo, 1969 (1 genus, 1 species)
 Family **Microphasmidae** Stephensen & Pirlot, 1931 (3 genera, 6 species)
 Family **Microprotopidae** Myers & Lowry, 2003 (1 genus, 5 species)
 Family **Micruropodidae** Kamaltynov, 1999 (5 genera, 52 species)
 Family **Mimonectidae** Bovallius, 1885 (2 genera, 6 species)
 Family **Miramarassidae** Lowry, 2006 (1 genus, 1 species)
 Family **Neomegamphopidae** Myers, 1981 (6 genera, 21 species)
 Family **Neoniphargidae** Bousfield, 1977 (7 genera, 22 species)
 Family **Nihotungidae** J.L. Barnard, 1972 (1 genus, 3 species)
 Family **Niphargidae** Bousfield, 1977 (9 genera, 322 species)
 Family **Ochlesidae** Stebbing, 1910 (4 genera, 19 species)
 Family **Odiidae** Coleman & Barnard, 1991 (5 genera, 11 species)
 Family **Oedicerotidae** Liljeborg, 1865 (44 genera, 244 species)
 Family **Opisidae** Lowry & Stoddart, 1995 (4 genera, 17 species)
 Family **Oxycephalidae** Bate, 1861 (8 genera, 18 species)
 Family **Pachynidae** Lowry & Stoddart, 2011 (11 genera, 33 species)
 Family **Pachyschesidae** Kamaltynov, 1999 (1 genus, 6 species)
 Family **Pagetinidae** K.H. Barnard, 1931 (1 genus, 4 species)
 Family **Pallaseidae** Tachteew, 2000 (8 genera, 21 species)
 Family **Paracalliopiidae** Barnard & Karaman, 1982 (5 genera, 18 species)
 Family **Paracrangonyctidae** Bousfield, 1983 (3 genera, 4 species)
 Family **Paragammaropsidae** Myers & Lowry, 2003 (1 genus, 1 species)
 Family **Paraleptamphopidae** Bousfield, 1977 (3 genera, 5 species)
 Family **Paramelitidae** Bousfield, 1977 (17 genera, 711 species)
 Family **Paraphronimidae** Bovallius, 1887 (1 genus, 2 species)
 Family **Parascelidae** Bovallius, 1887 (5 genera, 7 species)
 Family **Pardaliscidae** Boeck, 1871 (22 genera, 71 species)
 Family **Perthiidae** Williams & Barnard, 1988 (1 genus, 2 species)
 Family **Phliantidae** Stebbing, 1899 (7 genera, 23 species)
 Family **Photidae** Boeck, 1871 (18 genera, 216 species)
 Family **Phoxocephalidae** G.O. Sars, 1891 (81 genera, 368 species)
 Family **Phoxocephalopsidae** Barnard & Drummond, 1982 (3 genera, 9 species)
 Family **Phreatogammaridae** Bousfield, 1979 (2 genera, 5 species)
 Family **Phronimidae** Rafinesque, 1815 (2 genera, 11 species)
 Family **Phrosinidae** Dana, 1853 (3 genera, 8 species)
 Family **Platyischnopidae** Barnard & Drummond, 1979 (8 genera, 15 species)
 Family **Platyscelidae** Bate, 1862 (5 genera, 16 species)
 Family **Pleustidae** Buchholz, 1874 (35 genera, 139 species)
 Family **Pleioplateidae** J.L. Barnard, 1978 (1 genus, 2 species)
 Family **Podoceridae** Leach, 1814 (8 genera, 72 species)
 Family **Podoprionidae** Lowry & Stoddart, 1996 (1 genus, 4 species)
 Family **Pontogammaridae** Bousfield, 1977 (13 genera, 40 species)
 Family **Pontogeneiidae** Stebbing, 1906 (31 genera, 168 species)
 Family **Pontoporeiidae** Dana, 1853 (6 genera, 34 species)

Family **Priscillinidae** d'Udekem d'Acoz, 2006 (1 genus, 2 species)
 Family **Priscomilitaridae** Hirayama, 1988 (2 genera, 2 species)
 Family **Prolanceolidae** Zeidler, 2009 (1 genus, 1 species)
 Family **Pronoidae** Claus, 1879 (4 genera, 12 species)
 Family **Proscinidae** Dana, 1853 (2 genera, 7 species)
 Family **Pseudamphilochidae** Schellenberg, 1931 (1 genus, 1 species)
 Family **Pseudocrangonyctidae** Holsinger, 1989 (2 genera, 18 species)
 Family **Rakiroidae** Myers & Lowry, 2003 (1 genus, 1 species)
 Family **Regaliidae** Lowry, 2006 (1 genus, 3 species)
 Family **Salentinellidae** Bousfield, 1977 (2 genera, 22 species)
 Family **Sanchoidae** Lowry, 2006 (1 genus, 2 species)
 Family **Scinidae** Stebbing, 1888 (5 genera, 49 species)
 Family **Scopelocheiridae** Lowry & Stoddart, 1997 (7 genera, 18 species)
 Family **Sebidae** Waker, 1908 (3 genera, 31 species)
 Family **Sicafodiidae** Just, 2004 (1 genus, 1 species)
 Family **Sinurothoidae** Ren, 1999 (1 genus, 1 species)
 Family **Sophrosynidae** Lowry & Stoddart, 2010 (1 genus, 14 species)
 Family **Stegocephalidae** Dana, 1852 (25 genera, 108 species)
 Family **Stenothoidae** Boeck, 1871 (41 genera, 293 species)
 Family **Sternophysingidae** Holsinger, 1992 (1 genus, 8 species)
 Family **Stilipedidae** Holmes, 1908 (5 genera, 20 species)
 Family **Synopiidae** Dana, 1852 (17 genera, 91 species)
 Family **Talitridae** Rafinesque, 1815 (57 genera, 268 species)
 Family **Temnophliantidae** Griffiths, 1975 (2 genera, 2 species)
 Family **Thoriellidae** Lowry & Stoddart, 2011 (4 genera, 5 species)
 Family **Thurstonellidae** Lowry & Zeidler, 2008 (1 genus, 1 species)
 Family **Trischizostomatidae** Liljeborg, 1865 (1 genus, 16 species)
 Family **Tulearidae** Ledoyer, 1979 (1 genus, 1 species)
 Family **Typhlogammaridae** Bousfield, 1979 (5 genera, 7 species)
 Family **Unciolidae** Myers & Lowry, 2003 (17 genera, 41 species)
 Family **Uristidae** Hurley, 1963 (22 genera, 184 species)
 Family **Urohaustoriidae** Barnard & Drummond, 1982 (9 genera, 23 species)
 Family **Urothoidae** Bousfield, 1978 (6 genera, 61 species)
 Family **Valettidae** Stebbing, 1888 (1 genus, 5 species)
 Family **Valettiopsidae** Lowry & De Broyer, 2008 (2 genera, 12 species)
 Family **Vibiliidae** Dana, 1852 (3 genera, 23 species)
 Family **Vicmusiidae** Just, 1990 (1 genus, 2 species)
 Family **Vitjazianidae** Birstein & M. Vinogradov, 1955 (2 genera, 5 species)
 Family **Wandinidae** Lowry & Stoddart, 1990 (2 genera, 4 species)
 Family **Zobrachoidae** Barnard & Drummond, 1982 (5 genera, 5 species)

Order **Isopoda** Latreille, 1817 (11 suborders)¹⁷

Suborder **Asellota** Latreille, 1802 (4 superfamilies)

Superfamily **Aselloidea** Latreille, 1802 (2 families)

Family **Asellidae** Latreille, 1802 (22 genera, 393 species)

Family **Stenasellidae** Dudich, 1924 (10 genera, 75 species)

Superfamily **Gnathostenetroidoidea** Kussakin, 1967 (2 families)

Family **Gnathostenetroididae** Kussakin, 1967 (1 genus, 1 species)

Family **Protojaniridae** Fresi, Idato & Scipione, 1980 (6 genera, 15 species)

Superfamily **Janiroidea** Sars, 1897 (22 families)

Family **Acanthaspidiidae** Menzies, 1962 (4 genera, 34 species)

Family **Dendrotionidae** Vanhöffen, 1914 (3 genera, 25 species)

Family **Desmosomatidae** Sars, 1899 (19 genera, 145 species)

17. Based on Brandt & Poore (2003), Schotte *et al.* (2008) and Merrin (2011)

- Family **Echinothambematidae** Menzies, 1956 (2 genera, 5 species)
 Family **Haplomunnidae** Wilson, 1976 (5 genera, 11 species)
 Family **Haploniscidae** Hansen, 1916 (8 genera, 128 species)
 Family **Ischnomesidae** Hansen, 1916 (9 genera, 109 species)
 Family **Janirellidae** Menzies, 1956 (3 genera, 42 species)
 Family **Janiridae** Sars, 1897 (24 genera, 177 species)
 Family **Joeropsididae** Nordenstam, 1933 (3 genera, 74 species)
 Family **Katianiridae** Svavarsson, 1987 (2 genera, 6 species)
 Family **Macrostylidae** Hansen, 1916 (1 genus, 77 species)
 Family **Mesosignidae** Schultz, 1969 (2 genera, 17 species)
 Family **Mictosomatidae** Wolff, 1965 (1 genus, 1 species)
 Family **Munnidae** Sars, 1897 (6 genera, 109 species)
 Family **Munnopsididae** Sars, 1869 (19 genera, 343 species)
 Family **Nannoniscidae** Hansen, 1916 (12 genera, 84 species)
 Family **Paramunnidae** Vanhöffen, 1914 (44 genera, 225 species)
 Family **Pleurocopidae** Fresi & Schiecke, 1972 (1 genus, 3 species)
 Family **Santiidae** Wilson, 1987 (5 genera, 28 species)
 Family **Thambematidae** Stebbing, 1913 (2 genera, 5 species)
 Family **Xenosellidae** Just, 2005 (1 genus, 1 species)
 Superfamily **Stenetrioidea** Hansen, 1905 (2 families)
 Family **Pseudojaniridae** Wilson, 1986 (3 genera, 7 species)
 Family **Stenetriidae** Hansen, 1905 (9 genera, 81 species)
 Superfamily **Incertae Sedis** (2 families)
 Family **Microparasellidae** Karaman, 1933 (4 genera, 80 species)
 Family **Vermectiadiidae** Just & Poore, 1992 (1 genus, 1 species)
 Suborder **Calabozoida** Van Lieshout, 1983 (1 family)
 Family **Calabozoidae** Van Lieshout, 1983 (2 genera, 2 species)
 Suborder **Cymothoida** Wägele, 1989 (4 superfamilies)
 Superfamily **Anthuroidea** Leach, 1814 (6 families)
 Family **Antheluridae** Poore & Lew Ton, 1988 (3 genera, 18 species)
 Family **Anthuridae** Leach, 1814 (25 genera, 291 species)
 Family **Expanathuridae** Poore, 2001 (7 genera, 58 species)
 Family **Hyssuridae** Wägele, 1981 (6 genera, 39 species)
 Family **Leptanthuridae** Poore, 2001 (11 genera, 100 species)
 Family **Paranthuridae** Menzies & Glynn, 1968 (7 genera, 96 species)
 Superfamily **Bopyroidea** Rafinesque, 1815 (5 families)
 Family **Bopyridae** Rafinesque, 1815 (158 genera, 614 species)
 Family **Colypuridae** Richardson, 1905 (1 genus, 1 species)
 Family **Dajidae** Giard & Bonnier, 1887 (18 genera, 54 species)
 Family **Entoniscidae** Kossmann, 1881 (16 genera, 40 species)
 Family **Rhabdochiridae** Richardson, 1905 (1 genus, 1 species)
 Superfamily **Cryptoniscoidea** Kossmann, 1880 (7 families)
 Family **Asconiscidae** Bonnier, 1900 (1 genus, 1 species)
 Family **Cabiropidae** Giard & Bonnier, 1887 (13 genera, 32 species)
 Family **Crinoniscidae** Bonnier, 1900 (2 genera, 4 species)
 Family **Cryptoniscidae** Kossmann, 1880 (8 genera, 24 species)
 Family **Cyproniscidae** Bonnier, 1900 (2 genera, 9 species)
 Family **Hemioniscidae** Bonnier, 1900 (3 genera, 10 species)
 Family **Podasconidae** Bonnier, 1900 (2 genera, 5 species)
 Family **Incertae Sedis** (16 genera, 17 species)
 Superfamily **Cymothooidea** Leach, 1814 (9 families)
 Family **Aegidae** White, 1850 (8 genera, 156 species)
 Family **Anuropidae** Stebbing, 1893 (1 genus, 10 species)
 Family **Barybrotidae** Hansen, 1890 (1 genus, 1 species)

- Family **Cirolanidae** Dana, 1852 (61 genera, 488 species)
 Family **Corallanidae** Hansen, 1890 (6 genera, 81 species)
 Family **Cymothoidae** Leach, 1814 (43 genera, 386 species)
 Family **Gnathiidae** Leach, 1814 (12 genera, 211 species)
 Family **Protognathiidae** Wägele & Brandt, 1988 (1 genus, 2 species)
 Family **Tridentellidae** Bruce, 1984 (1 genus, 21 species)
- Suborder **Limnoriidea** Poore, 2002 (3 families)
 Family **Hadromastacidae** Bruce & Müller, 1991 (1 genus, 3 species)
 Family **Keuphyliidae** Bruce, 1980 (1 genus, 1 species)
 Family **Limnoriidae** White, 1850 (4 genera, 60 species)
- Suborder **Microcerberidea** Lang, 1961 (2 families)
 Family **Atlantasellidae** Sket, 1980 (2 genera, 2 species)
 Family **Microcerberidae** Karaman, 1933 (7 genera, 46 species)
- Suborder **Oniscidea** Latreille, 1802 (38 families)
 Family **Actaeiidae** Vandel, 1952 (1 genus, 8 species)
 Family **Agnaridae** Schmidt, 2003 (2 genera, 13 species)
 Family **Alloniscidae** Schmidt, 2003 (1 genus, 20 species)
 Family **Armadillidae** Brandt, 1831 (80 genera, 702 species)
 Family **Armadillidiidae** Brandt, 1833 (15 genera, 315 species)
 Family **Balloniscidae** Vandel, 1963 (3 genera, 10 species)
 Family **Bathytropidae** Vandel, 1952 (9 genera, 28 species)
 Family **Berytoniscidae** Vandel, 1973 (1 genus, 1 species)
 Family **Buddelundiellidae** Verhoeff, 1930 (4 genera, 19 species)
 Family **Cylisticidae** Verhoeff, 1949 (4 genera, 73 species)
 Family **Delatorreidae** Verhoeff, 1938 (2 genera, 19 species)
 Family **Detonidae** Budde-Lund, 1906 (3 genera, 41 species)
 Family **Dubioniscidae** Schultz, 1995 (4 genera, 42 species)
 Family **Eubelidae** Budde-Lund, 1904 (44 genera, 251 species)
 Family **Halophilosciidae** Verhoeff, 1908 (2 genera, 10 species)
 Family **Hekelidae** Ferrara, 1977 (1 genus, 1 species)
 Family **Irmaosidae** Ferrara & Taiti, 1983 (1 genus, 2 species)
 Family **Ligiidae** Leach, 1814 (8 genera, 91 species)
 Family **Mesoniscidae** Verhoeff, 1908 (1 genus, 6 species)
 Family **Olibrinidae** Vandel, 1973 (4 genera, 16 species)
 Family **Oniscidae** Latreille, 1802 (11 genera, 53 species)
 Family **Philosciidae** Kinahan, 1857 (114 genera, 569 species)
 Family **Platyarthridae** Vandel, 1946 (9 genera, 122 species)
 Family **Porcellionidae** Brandt, 1831 (22 genera, 458 species)
 Family **Pudeoniscidae** Lemos de Castro, 1973 (2 genera, 4 species)
 Family **Rhyscotidae** Budde-Lund, 1908 (2 genera, 24 species)
 Family **Schoebliidae** Verhoeff, 1938 (1 genus, 2 species)
 Family **Scleropactidae** Verhoeff, 1938 (28 genera, 103 species)
 Family **Scyphacidae** Dana, 1852 (7 genera, 20 species)
 Family **Spelaeoniscidae** Vandel, 1948 (6 genera, 17 species)
 Family **Stenoniscidae** Budde-Lund, 1904 (2 genera, 8 species)
 Family **Styloniscidae** Vandel, 1952 (11 genera, 86 species)
 Family **Tendosphaeridae** Verhoeff, 1930 (3 genera, 6 species)
 Family **Titaniidae** Verhoeff, 1938 (5 genera, 6 species)
 Family **Trachelipodidae** Strouhal, 1953 (21 genera, 245 species)
 Family **Trichoniscidae** Sars, 1899 (89 genera, 519 species)
 Family **Turanoniscidae** Borutskii, 1969 (1 genus, 1 species)
 Family **Tylidae** Dana, 1852 (2 genera, 26 species)
 Family **Incertae Sedis** (1 genus, 2 species)
- Suborder **Phoratopidea** Brandt & Poore, 2003 (1 family)

- Family **Phoratopodidae** Hale, 1925 (1 genus, 1 species)
- Suborder **Phreatoicidea** Stebbing, 1893 (6 families)
 - Family **Amphisopidae** Nicholls, 1943 (8 genera, 10 species)
 - Family **Hipsimetopidae** Nicholls, 1943 (6 genera, 9 species)
 - Family **Mesamphisopidae** Nicholls, 1943 (1 genus, 10 species)
 - Family **Phreatoicidae** Chilton, 1891 (13 genera, 47 species)
 - Family **Phreatoicopsidae** Nicholls, 1943 (2 genera, 4 species)
 - Family **Ponderellidae** Wilson & Keable, 2004 (1 genus, 2 species)
 - Family **Incertae sedis** (1 genus, 1 species)
- Suborder **Sphaeromatidea** Wägele, 1989 (2 superfamilies)
 - Superfamily **Seroloidea** Dana, 1852 (3 families)
 - Family **Bathynataliidae** Kensley, 1978 (3 genera, 4 species)
 - Family **Plakarthriidae** Hansen, 1905 (1 genus, 3 species)
 - Family **Serolidae** Dana, 1852 (24 genera, 126 species)
 - Superfamily **Sphaeromatoidea** Latreille, 1825 (3 families)
 - Family **Ancinidae** Dana, 1852 (2 genera, 14 species)
 - Family **Sphaeromatidae** Latreille, 1825 (96 genera, 706 species)
 - Family **Tecticepitidae** Iverson, 1982 (1 genus, 13 species)
- Suborder **Tainisopidea** Brandt & Poore, 2003 (1 family)
 - Family **Tainisopidae** Wilson, 2003 (2 genera, 7 species)
- Suborder **Valvifera** Sars, 1882 (11 families)
 - Family **Antarcturidae** Poore, 2001 (17 genera, 116 species)
 - Family **Arcturidae** Dana, 1849 (14 genera, 156 species)
 - Family **Arcturididae** Poore, 2001 (1 genus, 2 species)
 - Family **Austrarcturellidae** Poore & Bardsley, 1992 (5 genera, 45 species)
 - Family **Chaetiliidae** Dana, 1849 (12 genera, 23 species)
 - Family **Holidoteidae** Wägele, 1989 (3 genera, 20 species)
 - Family **Holognathidae** Thomson, 1904 (4 genera, 25 species)
 - Family **Idoteidae** Samouelle, 1819 (22 genera, 184 species)
 - Family **Pseudidotheidae** Ohlin, 1901 (1 genus, 4 species)
 - Family **Rectarcturidae** Poore, 2001 (1 genus, 3 species)
 - Family **Xenarcturidae** Sheppard, 1957 (1 genus, 1 species)
- Order **Tanaidacea** Dana, 1849 (3 suborders)
 - Suborder **Tanaidomorpha** Sieg, 1980 (2 superfamilies)
 - Superfamily **Tanaoidea** Dana, 1849 (1 family)
 - Family **Tanaidae** Dana, 1849 (19 genera, 30 species)
 - Superfamily **Paratanaoidea** Lang, 1949 (16 families)
 - Family **Anarthruridae** Lang, 1971 (9 genera, 20 species)
 - Family **Agathotanaidae** Lang, 1971 (3 genera, 39 species)
 - Family **Akanthophoreidae** Sieg, 1986 (3 genera, 32 species)
 - Family **Colletteidae** Larsen & Wilson, 2002 (16 genera, 57 species)
 - Family **Cryptocopidae** McLelland in Bird & Larsen, 2009 (6 genera, 10 species)
 - Family **Leptocheilidae** Lang, 1973 (11 genera, 61 species)
 - Family **Leptognathiidae** Lang 1976 (2 genera, 36 species)
 - Family **Mirandotanaidae** Błażewicz-Paszkowycz & Bamber, 2009 (2 genera, 3 species)
 - Family **Nototanaidae** Sieg, 1976 (6 genera, 10 species)
 - Family **Paratanaidae** Lang, 1949 (7 genera, 34 species)
 - Family **Pseudotanaidae** Sieg, 1976 (4 genera, 42 species)
 - Family **Pseudozeuxidae** Sieg, 1982 (3 genera, 6 species)
 - Family **Tanaellidae** Larsen & Wilson, 2002 (4 genera, 40 species)
 - Family **Tanaissuidae** Bird & Larsen, 2010 (3 genera, 9 species)
 - Family **Typhlotanaidae** Sieg, 1986 (13 genera, 100 species)
 - Family **Incertae Sedis** (Anarthruridae *sensu lato*) (25 genera, 53 species)
 - Suborder **Neotanaidomorpha** Sieg, 1980 (1 family)

- Family **Neotanaidae** Lang, 1956 (4 genera, 46 species)
- Suborder **Apseudomorpha** Sieg, 1980 (12 families)
- Superfamily **Apseudoidea** Leach, 1814 (12 families)
- Family **Apseudellidae** Gutu, 1972 (1 genus, 1 species)
- Family **Apseudidae** Leach, 1814 (22 genera, 167 species)
- Family **Gigantapseudidae** Kudinova-Pasternak, 1978 (1 genus, 2 species)
- Family **Kalliapseudidae** Lang, 1956 (11 genera, 41 species)
- Family **Metapseudidae** Lang, 1970 (20 genera, 81 species)
- Family **Numbakullidae** Gutu & Heard, 2002 (1 genus, 2 species)
- Family **Pagurapseudidae** Lang, 1970 (8 genera, 39 species)
- Family **Parapseudidae** Gutu, 1981 (18 genera, 84 species)
- Family **Sphaeromapseudidae** Larsen, 2011 (1 genus, 1 species)
- Family **Sphyrapodidae** Gutu, 1980 (6 genera, 19 species)
- Family **Whiteleggiidae** Gutu, 1972 (2 genera, 3 species)
- Family **Incertae Sedis** (1 genus, 1 species)
- Order **Cumacea** Kroyer, 1846 (9 families)
- Family **Bodotriidae** Scott, 1901 (36 genera, 379 species)
- Family **Ceratocumatidae** Calman, 1905 (2 genera, 10 species)
- Family **Diastylidae** Bate, 1856 (22 genera, 318 species)
- Family **Gynodiastylidae** Stebbing, 1912 (12 genera, 106 species)
- Family **Lampropidae** Sars, 1878 (15 genera, 114 species)
- Family **Leuconidae** Sars, 1878 (16 genera, 139 species)
- Family **Nannastacidae** Bate, 1866 (25 genera, 426 species)
- Family **Pseudocumatidae** Sars, 1878 (12 genera, 30 species)
- Family **Incertae sedis** (1 genus, 1 species)
- Superorder **Eucarida** Calman, 1904 (3 orders)
- Order **Euphausiacea** Dana, 1852 (2 families)¹⁸
- Family **Bentheuphausiidae** Colosi, 1917 (1 genus, 1 species)
- Family **Euphausiidae** Dana, 1852 (10 genera, 86 species)
- Order **Amphionidacea** Williamson, 1973 (1 family)
- Family **Amphionididae** Holthuis, 1955 (1 genus, 1 species)
- Order **Decapoda** Latreille, 1802 (2 suborders)
- Suborder **Dendrobranchiata** Bate, 1888 (2 superfamilies)¹⁹
- Superfamily **Penaeoidea** Rafinesque, 1815 (5 families)
- Family **Aristeidae** Wood-Mason, 1891 (9 genera, 26 species)
- Family **Benthescymidae** Wood-Mason, 1891 (5 genera, 39 species)
- Family **Penaeidae** Rafinesque, 1815 (32 genera, 222 species)
- Family **Sicyoniidae** Ortmann, 1898 (1 genus, 52 species)
- Family **Solenoceridae** Wood-Mason, 1891 (9 genera, 83 species)
- Superfamily **Sergestoidea** Dana, 1852 (2 families)
- Family **Luciferidae** de Haan, 1849 (1 genus, 7 species)
- Family **Sergestidae** Dana, 1852 (12 genera, 101 species)
- Suborder **Pleocyemata** Burkenroad, 1963 (11 infraorders)²⁰
- Infraorder **Stenopodidea** Claus, 1872 (3 families)
- Family **Macromaxillocarididae** (1 genus, 1 species)
- Family **Spongicolidae** Schram, 1986 (7 genera, 39 species)
- Family **Stenopodidae** Claus, 1872 (4 genera, 31 species)
- Infraorder **Procaridoidea** Chace & Manning, 1972 (1 superfamily)
- Superfamily **Procaridoidea** Chace & Manning, 1972 (1 family)
- Family **Procarididae** Chace & Manning, 1972 (2 genera, 6 species)
- Infraorder **Caridea** Dana, 1852 (14 superfamilies)

18. Based on Baker *et al.* (1990)

19. Based on De Grave & Fransen (2011)

20. Based on De Grave & Fransen (2011)

- Superfamily **Alpheoidea** Rafinesque, 1815 (4 families)
 Family **Alpheidae** Rafinesque, 1815 (47 genera, 659 species)
 Family **Barbouriidae** Christoffersen, 1987 (3 genera, 8 species)
 Family **Hippolytidae** Dana, 1852 (37 genera, 336 species)
 Family **Ogyrididae** Holthuis, 1955 (1 genus, 10 species)
- Superfamily **Atyoidea** de Haan, 1849 (1 family)
 Family **Atyidae** de Haan, 1849 (42 genera, 468 species)
- Superfamily **Bresilioidea** Calman, 1896 (5 families)
 Family **Agostocarididae** Hart & Manning, 1986 (1 genus, 3 species)
 Family **Alvinocarididae** Christoffersen, 1986 (8 genera, 26 species)
 Family **Bresiliidae** Calman, 1896 (2 genera, 9 species)
 Family **Disciadiidae** Rathbun, 1902 (4 genera, 12 species)
 Family **Pseudochelidae** De Grave & Moosa, 2004 (1 genus, 3 species)
- Superfamily **Campylonotoidea** Sollaud, 1913 (2 families)
 Family **Bathypalaemonellidae** de Saint Laurent, 1985 (2 genera, 11 species)
 Family **Campylonotidae** Sollaud, 1913 (1 genus, 5 species)
- Superfamily **Crangonoidea** Haworth, 1825 (2 families)
 Family **Crangonidae** Haworth, 1825 (23 genera, 219 species)
 Family **Glyphocrangonidae** Smith, 1884 (1 genus, 88 species)
- Superfamily **Nematocarcinoidea** Smith, 1884 (4 families)
 Family **Eugonatonotidae** Chace, 1937 (1 genus, 2 species)
 Family **Nematocarcinidae** Smith, 1884 (4 genera, 52 species)
 Family **Rhynchocinetidae** Ortmann, 1890 (2 genera, 25 species)
 Family **Xiphocarididae** Ortmann, 1895 (1 genus, 2 species)
- Superfamily **Oplophoroidea** Dana, 1852 (2 families)
 Family **Acanthephyridae** Dana, 1852 (7 genera, 55 species)
 Family **Oplophoridae** Dana, 1852 (3 genera, 14 species)
- Superfamily **Pasiphaeidea** Dana, 1852 (1 family)
 Family **Pasiphaeidae** Dana, 1852 (7 genera, 95 species)
- Superfamily **Physetocaridoidea** Chace, 1940 (1 family)
 Family **Physetocarididae** Chace, 1940 (1 genus, 1 species)
- Superfamily **Palaemonoidea** Rafinesque, 1815 (8 families)
 Family **Anchistoididae** Borradaile, 1915 (1 genus, 3 species)
 Family **Desmocarididae** Borradaile, 1915 (1 genus, 2 species)
 Family **Euryrhynchidae** Holthuis, 1950 (3 genera, 7 species)
 Family **Gnathophyllidae** Dana, 1852 (4 genera, 14 species)
 Family **Hymenoceridae** Ortmann, 1890 (2 genera, 3 species)
 Family **Kakaducarididae** Bruce, 1993 (3 genera, 3 species)
 Family **Palaemonidae** Rafinesque, 1815 (137 genera, 967 species)
 Family **Typhlocarididae** Annandale & Kemp, 1913 (1 genus, 4 species)
- Superfamily **Pandaloidea** Haworth, 1825 (2 families)
 Family **Pandalidae** Haworth, 1825 (23 genera, 188 species)
 Family **Thalassocarididae** Bate, 1888 (2 genera, 4 species)
- Superfamily **Processoidea** Ortmann, 1890 (1 family)
 Family **Processidae** Ortmann, 1890 (4 genera, 68 species)
- Superfamily **Psalidopodoidea** Wood-Mason & Alcock, 1892 (1 family)
 Family **Psalidopodidae** Wood-Mason & Alcock, 1892 (1 genus, 3 species)
- Superfamily **Stylodactyloidea** Bate, 1888 (1 family)
 Family **Stylodactylidae** Bate, 1888 (5 genera, 34 species)
- Infraorder **Polychelida** Scholtz & Richter, 1995 (1 superfamily)²¹
 Superfamily **Eryonoidea** de Haan, 1841 (1 family)
 Family **Polychelidae** Wood-Mason, 1874 (6 genera, 37 species)

21. Based on Chan (2010)

- Infraorder **Achelata** Scholtz & Richter, 1995 (2 families, 32 genera, 147 species)²²
 Superfamily **Palinuroidea** Latreille, 1802 (2 families)
 Family **Palinuridae** Latreille, 1802 (12 genera, 59 species)
 Family **Scyllaridae** Latreille, 1825 (20 genera, 88 species)
- Infraorder **Glypheidea** Winkler, 1882 (1 superfamily)²³
 Superfamily **Glypheoidea** Winkler, 1882 (1 family)
 Family **Glypheidae** Winkler, 1882 (2 genera, 2 species)
- Infraorder **Astacidea** Latreille, 1802 (4 superfamilies)²⁴
 Superfamily **Enoplometopoidea** de Saint Laurent, 1988 (1 family)
 Family **Enoplometopidae** de Saint Laurent, 1988 (1 genus, 12 species)
 Superfamily **Nephropoidea** Dana, 1852 (1 family)
 Family **Nephropidae** Dana, 1852 (14 genera, 54 species)
 Superfamily **Astacoidea** Latreille, 1802 (2 families)
 Family **Astacidae** Latreille, 1802 (3 genera, 11 species)
 Family **Cambaridae** Hobbs, 1942 (12 genera, 428 species)
 Superfamily **Parastacoidea** Huxley, 1879 (1 family)
 Family **Parastacidae** Huxley, 1879 (15 genera, 165 species)
- Infraorder **Axiidea** de Saint Laurent, 1979²⁵ (2 superfamilies)
 Superfamily **Axioidae** Huxley, 1879 (9 families)
 Family **Axiidae** Huxley, 1879 (44 genera, 112 species)
 Family **Callianideidae** Kossmann, 1880 (2 genera, 4 species)
 Family **Calocarididae** Ortmann, 1891 (11 genera, 30 species)
 Family **Coralaxiidae** Sakai & De Saint Laurent, 1989 (2 genera, 4 species)
 Family **Eiconaxiidae** Sakai & Ohta, 2005 (1 genus, 30 species)
 Family **Eiconaxiopsididae** Sakai, 2010 (1 genus, 2 species)
 Family **Meticonaxiidae** Sakai, 1992 (3 genera, 18 species)
 Family **Micheleidae** Sakai, 1992 (1 genus, 13 species)
 Family **Strahlaxiidae** Poore, 1994 (3 genera, 8 species)
 Superfamily **Callianssoidea** Dana, 1852 (10 families)
 Family **Anacalliidae** Manning & Felder, 1991 (3 genera, 3 species)
 Family **Bathycalliidae** Sakai & Türkay, 1999 (2 genera, 2 species)
 Family **Callianassidae** Dana, 1852 (22 genera, 171 species)
 Family **Callianopsidae** Manning & Felder, 1991 (3 genera, 3 species)
 Family **Ctenochelidae** Manning & Felder, 1991 (1 genus, 10 species)
 Family **Eucalliidae** Manning & Felder, 1991 (8 genera, 17 species)
 Family **Gourretiidae** Sakai, 1999 (5 genera, 10 species)
 Family **Lipkecallianassidae** Sakai, 2005 (1 genus, 1 species)
 Family **Pseudogourretiidae** Sakai, 2005 (1 genus, 1 species)
 Family **Thomassiniidae** de Saint Laurent, 1979 (5 genera, 13 species)
- Infraorder **Gebiidea** de Saint Laurent, 1979²⁶ (1 superfamily)
 Superfamily **Thalassinoidea** Latreille, 1831 (4 families)
 Family **Axianassidae** Schmitt, 1924 (1 genus, 8 species)
 Family **Laomediidae** Borradaile, 1903 (5 genera, 16 species)
 Family **Thalassinidae** Latreille, 1831 (1 genus, 7 species)
 Family **Upogebiidae** Borradaile, 1903 (13 genera, 163 species)
- Infraorder **Anomura** MacLeay, 1838 (7 superfamilies)²⁷
 Superfamily **Lomisoidea** Bouvier, 1895 (1 family)

22. Based on Chan (2010)

23. Based on Chan (2010)

24. Based on De Grave *et al.* (2009), Chan (2010)

25. Based on De Grave *et al.* (2009), Sakai (2010).

26. Based on De Grave *et al.* (2009).

27. Based on Baba *et al.* (2008), Ahyong *et al.* (2010), Schnabel & Ahyong (2010), Boyko & McLaughlin (2010), McLaughlin *et al.* (2010a, b), Osawa & McLaughlin (2010).

- Family **Lomisidae** Bouvier, 1895 (1 genus, 1 species)
- Superfamily **Aegloidea** Dana, 1852 (1 family)
- Family **Aeglidae** Dana, 1852 (1 genus, 69 species)
- Superfamily **Chirostyloidea** Ortmann, 1892 (2 families)
- Family **Chirostylidae** Ortmann, 1892 (5 genera, 276 species)
- Family **Eumunididae** A. Milne-Edwards & Bouvier, 1900 (2 genera, 30 species)
- Superfamily **Galatheoidea** Samouelle, 1819 (4 families)
- Family **Galatheidae** Samouelle, 1819 (11 genera, 95 species)
- Family **Munididae** Ahyong, Baba, Macpherson & Poore, 2010 (20 genera, 395 species)
- Family **Munidopsidae** Ortmann, 1898 (4 genera, 250 species)
- Family **Porcellanidae** Haworth, 1825 (30 genera, 277 species)
- Superfamily **Hippoidea** Latreille, 1825 (3 families)
- Family **Albuneidae** Stimpson, 1858 (9 genera, 48 species)
- Family **Blepharipodidae** Boyko, 2002 (2 genera, 6 species)
- Family **Hippidae** Latreille, 1825 (3 genera, 27 species)
- Superfamily **Paguroidea** Latreille, 1802 (6 families)
- Family **Coenobitidae** Dana, 1851 (2 genera, 19 species)
- Family **Diogenidae** Ortmann, 1892 (20 genera, 428 species)
- Family **Paguridae** Latreille, 1802 (75 genera, 542 species)
- Family **Parapaguridae** Smith, 1882 (10 genera, 76 species)
- Family **Pylochelidae** Bate, 1888 (10 genera, 41 species)
- Family **Pylojacquesidae** McLaughlin & Lemaitre, 2001 (2 genera, 2 species)
- Superfamily **Lithodoidea** Samouelle, 1819 (2 families)
- Family **Hapalogastridae** Brandt, 1850 (5 genera, 8 species)
- Family **Lithodidae** Samouelle, 1819 (10 genera, 121 species)
- Infraorder **Brachyura** Latreille, 1802 (4 sections)²⁸
- Section **Dromiacea** de Haan, 1833 (3 superfamilies)
- Superfamily **Homolodromioidea** Alcock, 1900 (1 family)
- Family **Homolodromiidae** Alcock, 1900 (2 genera, 24 species)
- Superfamily **Dromioidea** de Haan, 1833 (2 families)
- Family **Dromiidae** de Haan, 1833 (41 genera, 124 species)
- Family **Dynomenidae** Ortmann, 1892 (5 genera, 19 species)
- Superfamily **Homoloidea** de Haan, 1839 (3 families)
- Family **Homolidae** de Haan, 1839 (14 genera, 65 species)
- Family **Latreilliidae** Stimpson, 1858 (2 genera, 7 species)
- Family **Poupiniidae** Guinot, 1991 (1 genus, 1 species)
- Section **Raninoidea** de Haan, 1839 (1 superfamily)
- Superfamily **Raninoidea** de Haan, 1839 (1 family)
- Family **Raninidae** de Haan, 1839 (12 genera, 39 species)
- Section **Cyclodorippoidea** Ahyong *et al.* 2007 (1 superfamily)
- Superfamily **Cyclodorippoidea** Ortmann, 1892 (3 families)
- Family **Cyclodorippidae** Ortmann, 1892 (10 genera, 49 species)
- Family **Cymonomidae** Bouvier, 1897 (5 genera, 38 species)
- Family **Phyllotymolinidae** Tavares, 1998 (3 genera, 4 species)
- Section **Eubrachyura** de Saint Laurent, 1980 (2 subsections)
- Subsection **Heterotremata** Guinot, 1977 (28 superfamilies)
- Superfamily **Aethroidea** Dana, 1851 (1 family)
- Family **Aethridae** Dana, 1851 (7 genera, 35 species)
- Superfamily **Bellioidea** Dana, 1852 (1 family)
- Family **Belliidae** Dana, 1852 (4 genera, 7 species)
- Superfamily **Bythograeoidea** Williams, 1980 (1 family)
- Family **Bythograeidae** Williams, 1980 (6 genera, 14 species)

28. Based on De Grave *et al.* (2009) and Števc̆ić (2011). Taxa erected by Števc̆ić (2011) are accepted here at face value, but the nomenclatural validity of some of Števc̆ić's family names requires closer scrutiny.

- Superfamily **Calappoidea** Milne Edwards, 1837 (2 families)
 Family **Calappidae** Milne Edwards, 1837 (2 families, 9 genera, 75 species)
 Family **Matutidae** de Hann, 1841 (4 genera, 15 species)
- Superfamily **Cancroidea** Latreille, 1802 (2 families)
 Family **Atelecyclidae** Ortmann, 1893 (6 genera, 24 species)
 Family **Cancridae** Latreille, 1802 (4 genera, 6 species)
- Superfamily **Carpilioidea** Ortmann, 1893 (1 family)
 Family **Carpiliidae** Ortmann, 1893 (1 genus, 2 species)
- Superfamily **Cheiragonoidea** Ortmann, 1893 (1 family)
 Family **Cheiragonidae** Ortmann, 1893 (2 genera, 3 species)
- Superfamily **Corystoidea** Samouelle, 1819 (1 family)
 Family **Corystidae** Samouelle, 1819 (4 genera, 9 species)
- Superfamily **Dairoidea** Ng & Rodriguez, 1986 (2 families)
 Family **Dacryopilumnidae** Serène, 1984 (1 genus, 2 species)
 Family **Dairidae** Ng & Rodriguez, 1986 (1 genus, 1 species)
- Superfamily **Dorippoidea** MacLeay, 1838 (2 families)
 Family **Dorippidae** MacLeay, 1838 (9 genera, 19 species)
 Family **Ethusidae** Guinot, 1977 (4 genera, 79 species)
- Superfamily **Eriphioidea** MacLeay, 1838 (6 families)
 Family **Dairodidae** Števcic, 2005 (1 genus, 3 species)
 Family **Eriphiidae** MacLeay, 1838 (2 genera, 8 species)
 Family **Hypothalassiidae** Karasawa & Schweitzer, 2006 (1 genus, 2 species)
 Family **Menippidae** Ortmann, 1893 (5 genera, 10 species)
 Family **Oziidae** Dana, 1851 (7 genera, 32 species)
 Family **Platyxanthidae** Guinot, 1977 (5 genera, 7 species)
- Superfamily **Gecarcinucoidea** Rathbun, 1904 (1 family)
 Family **Gecarcinucidae** Rathbun, 1904 (58 genera, 349 species)
- Superfamily **Goneplacoidea** MacLeay, 1838 (11 families)
 Family **Acidopsidae** Števcic, 2005 (2 genera, 4 species)
 Family **Chasmocarcinidae** Serène, 1964 (9 genera, 35 species)
 Family **Conleyidae** Števcic, 2005 (1 genus, 1 species)
 Family **Euryplacidae** Stimpson, 1871 (10 genera, 33 species)
 Family **Goneplacidae** MacLeay, 1838 (16 genera, 67 species)
 Family **Litochairidae** Števcic, 2005 (2 genera, 3 species)
 Family **Mathildellidae** Karasawa & Kato, 2003 (5 genera, 22 species)
 Family **Neommatocarcinidae** Števcic, 2011 (1 genus, 1 species)
 Family **Progeryonidae** Števcic, 2005 (3 genera, 7 species)
 Family **Scalopidiidae** Števcic, 2005 (1 genus, 2 species)
 Family **Vultocinidae** Ng & Manuel-Santos, 2007 (1 genus, 1 species)
- Superfamily **Hexapodoidea** Miers, 1886 (1 family)
 Family **Hexapodidae** Miers, 1886 (13 genera, 20 species)
- Superfamily **Leucosioidea** Samouelle, 1819 (2 families)
 Family **Iphiculidae** Alcock, 1896 (2 genera, 5 species)
 Family **Leucosiidae** Samouelle, 1819 (69 genera, 447 species)
- Superfamily **Majoidea** Samouelle, 1819 (6 families)
 Family **Epialtidae** MacLeay, 1838 (81 genera, 375 species)
 Family **Hymenosomatidae** MacLeay, 1838 (19 genera, 124 species)
 Family **Inachidae** MacLeay, 1838 (39 genera, 204 species)
 Family **Inachoididae** Dana, 1851 (10 genera, 39 species)
 Family **Majidae** Samouelle, 1819 (47 genera, 194 species)
 Family **Oregoniidae** Garth, 1958 (4 genera, 14 species)
- Superfamily **Orithyoidea** Dana, 1853 (1 family)
 Family **Orithyiidae** Dana, 1853 (1 genus, 1 species)
- Superfamily **Palicoidea** Bouvier, 1898 (2 families)

- Family **Crossotonotidae** Moosa & Serène, 1981 (2 genera, 6 species)
- Family **Palicidae** Bouvier, 1898 (9 genera, 57 species)
- Superfamily **Parthenopoidea** MacLeay, 1838 (1 family)
- Family **Parthenopidae** MacLeay, 1838 (38 genera, 139 species)
- Superfamily **Pilumnoidea** Samouelle, 1819 (3 families)
- Family **Galenidae** Alcock, 1898 (4 genera, 9 species)
- Family **Pilumnidae** Samouelle, 1819 (63 genera, 349 species)
- Family **Tanaochelidae** Ng & Clark, 2000 (1 genus, 2 species)
- Superfamily **Portunoidea** Rafinesque, 1815 (7 families)
- Family **Carcinidae** MacLeay, 1838 (8 genera, 30 species)
- Family **Catopridae** Borradaile, 1902 (2 genera, 10 species)
- Family **Geryonidae** Colosi, 1923 (3 genera, 37 species)
- Family **Macropipidae** Stephenson & Campbell, 1960 (8 genera, 28 species)
- Family **Pirimelidae** Alcock, 1899 (2 genera, 5 species)
- Family **Portunidae** Rafinesque, 1815 (23 genera, 307 species)
- Family **Thiidae** Dana, 1852 (2 genera, 3 species)
- Superfamily **Potamoidea** Ortmann, 1896 (2 families)
- Family **Potamidae** Ortmann, 1896 (97 genera, 521 species)
- Family **Potamonautidae** Bott, 1970 (18 genera, 138 species)
- Superfamily **Pseudothelphusoidea** Ortmann, 1893 (1 family)
- Family **Pseudothelphusidae** Ortmann, 1893 (41 genera, 276 species)
- Superfamily **Pseudozoidea** Alcock, 1898 (4 families)
- Family **Caecopilumnidae** Števc̆ić, 2011 (1 genus, 3 species)
- Family **Pilumnoididae** Gionot & Macpherson, 1987 (1 genus, 8 species)
- Family **Planopilumnidae** Serène, 1984 (3 genera, 4 species)
- Family **Pseudoziidae** Alcock, 1898 (3 genera, 10 species)
- Superfamily **Retroplumoidea** Gill, 1894 (1 family)
- Family **Retroplumidae** Gill, 1894 (2 genera, 10 species)
- Superfamily **Trapezioidea** Miers, 1886 (3 families)
- Family **Domeciidae** Ortmann, 1893 (4 genera, 6 species)
- Family **Tetraliidae** Castro, Ng & Ahyong, 2004 (2 genera, 12 species)
- Family **Trapeziidae** Miers, 1886 (6 genera, 38 species)
- Superfamily **Trichodactyloidea** Milne Edwards, 1853 (1 family)
- Family **Trichodactylidae** Milne Edwards, 1853 (15 genera, 49 species)
- Superfamily **Xanthoidea** MacLeay, 1838 (3 families)
- Family **Panopeidae** Ortmann, 1893 (26 genera, 84 species)
- Family **Pseudorhombilidae** Alcock, 1900 (10 genera, 13 species)
- Family **Xanthidae** MacLeay, 1838 (123 genera, 572 species)
- Subsection **Thoracotremata** Guinot, 1977 (4 superfamilies)
- Superfamily **Cryptochiroidea** Paul'son, 1875 (1 family)
- Family **Cryptochiridae** Paul'son, 1875 (20 genera, 46 species)
- Superfamily **Grapsoidea** MacLeay, 1838 (8 families)
- Family **Gecarcinidae** MacLeay, 1838 (6 genera, 19 species)
- Family **Glyptograpsidae** Schubart, Cuesta & Felder, 2002 (2 genera, 3 species)
- Family **Grapsidae** MacLeay, 1838 (8 genera, 41 species)
- Family **Percnidae** Števc̆ić, 2005 (1 genus, 6 species)
- Family **Plagusiididae** Dana, 1851 (4 genera, 18 species)
- Family **Sesarmidae** Dana, 1851 (30 genera, 252 species)
- Family **Varunidae** H. Milne Edwards, 1853 (36 genera, 146 species)
- Family **Xenograpsidae** Ng, Davie, Schubart & Ng, 2007 (1 genus, 3 species)
- Superfamily **Ocypodoidea** Rafinesque, 1815 (8 families)
- Family **Camptandriidae** Stimpson, 1858 (18 genera, 36 species)
- Family **Dotillidae** Stimpson, 1858 (9 genera, 59 species)
- Family **Helocciidae** H. Milne Edwards, 1852 (1 genus, 1 species)

- Family **Macrophthalmidae** Dana, 1851 (7 genera, 65 species)
 Family **Mictyridae** Dana, 1851 (1 genus, 4 species)
 Family **Ocypodidae** Rafinesque, 1815 (2 genera, 115 species)
 Family **Ucididae** Števcíć, 2005 (1 genus, 2 species)
 Family **Xenophthalmidae** Stimpson, 1858 (3 genera, 5 species)
 Superfamily **Pinnotheroidea** de Haan, 1833 (2 families)
 Family **Aphanodactylidae** Ahyong & Ng, 2009 (4 genera, 7 species)
 Family **Pinnotheridae** de Haan, 1833 (53 genera, 297 species)
 Superfamilies **Incertae Sedis**
 Family **Brankocleistostomidae** Števcíć, 2011 (1 genus, 1 species)
 Family **Garthopilumnidae** Števcíć, 2011 (1 genus, 1 species)
 Family **Lazarocleistostomidae** Števcíć, 2011 (1 genus, 1 species)

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