

ICHTHYOSAURIMORPH TAXONOMY

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ICHTHYOSAURIMORPHA Motani et al., 2015

HUPEHSUCHIA Carroll & Dong, 1991

Eohupehsuchus brevicollis Chen et al., 2014b

- * 2014b *Eohupehsuchus brevicollis* Chen et al.; p 4 [Jialingjiang Formation (Upper Spathian, Lower Triassic); Yangping, Yuan'an County, Hubei Province, China].

Eretmorhipis carrolldongi Chen et al., 2015

- 1991 Hupehsuchia n. g., n. s.; p 143 [Jialingjiang Formation (Upper Spathian, Lower Triassic); Tuling, Baihechuan, Xunjian District, Nanzhang County, Hubei Province, China].
- * 2015 *Eretmorhipis carrolldongi* Chen et al.; p 4 [Jialingjiang Formation (Upper Spathian, Lower Triassic); Yingzhishang, Yuan'an County, Hubei Province, China].

Hupehsuchus nanchangensis Young & Dong, 1972

Nanchangosaurus suni Wang, 1959

Parahupehsuchus longus Chen et al., 2014a

ICHTHYOSAURIFORMES Motani et al., 2015

Acamptonectes densus Fischer et al., 2012

- * 2012 *Acamptonectes densus* Fischer et al.; p 3 [Speeton Clay Formation–*Simbiskites concinnus/staffi* ammonite biozones (basal–upper Hauterivian, Lower Cretaceous); Speeton, Yorkshire, UK and Cremlingen, Lower Saxony, Germany].

Aegirosaurus leptospondylus (Wagner, 1853)

- * 2000 *Aegirosaurus leptospondylus* (Wagner); p 504 [Solnhofen Formation (Tithonian, Upper Jurassic); Borsheim and Langenaltheim, Bavaria, Germany].

Arthropterygius chrisorum (Russell, 1993)

- * 1993 *Ophthalmosaurus chrisorum* Russell; p 198 [Ringnes Formation (Oxfordian–Kimmeridgian, Upper Jurassic); Cape Grassy, Melville Island, Canada (76° 9' 4" N, 113° 30' W = UTM WGS84 12X 433220 8453461)]
- 2019 *Arthropterygius chrisorum* (Russell); Zverkov & Prilepskaya, p 15.
- 2019 *Palvennia hoybergeti* (pars) (Russell); Zverkov & Prilepskaya, p 15 [Slottsmøya Member, Agardfjellet Formation (Tithonian, Upper Jurassic); Spitsbergen, Svalbard].
- ? 2019 *Keilhaia nui* Delsett et al.; p 15.
- ? 2019 Ophthalmosauridae indet.; Zverkov & Prilepskaya, tbl 1.

Arthropterygius hoybergeti (Druckenmiller et al., 2012)

- * 2012 *Palvennia hoybergeti* Druckenmiller et al.; p 326 [Slottsmøya Member, Agardfjellet Formation (Middle Volgian, Upper Jurassic); Spitsbergen, Svalbard (UTM WGS84 33N 0518775 8696150)].
- 2018 *Palvennia hoybergeti* Druckenmiller et al..
- 2019 *Arthropterygius hoybergeti* (Druckenmiller et al.); p 31.

Arthropterygius lundi (Roberts et al., 2014)

- * 2014 *Janusaurus lundi* Roberts et al.; p 4 [Slottsmøya Member, Agardfjellet Formation (Tithonia, Upper Jurassic); Spitsbergen, Svalbard (UTM WGS84 N78 20.264 E15 50.044)].
- 2019 *Arthropterygius lundi* (Roberts et al.); p 40.

Athabascasaurus bitumineus Druckenmiller & Maxwell, 2010

Barracudasauroides panxianensis (Jiang et al., 2006)
Besanosaurus leptorhynchus Dal Sasso & Pinna, 1996
Brachypterygius alekseevi (Arkhangelsky, 2001)
Brachypterygius extremus (Boulenger, 1904)
 * 1904 *Ichthyosaurus extremus* Boulenger [Kimmeridge Clay Formation (Kimmeridgian); Weymouth, Dorset, UK].
 1976 *Grendelius mordax* McGowan [*Aulacostephanus autissiodorensis* Ammonite Biozone, Kimmeridge Clay Formation (Kimmeridgian); Norfolk, UK].
Brachypterygius pseudoscythica (Efimov, 1998)
Californosaurus perrini (Merriam, 1902)
Callawayia neoscapularis (McGowan, 1994)
Cartorhynchus lenticarpus Motani et al., 2015
Caypullisaurus bonapartei Fernández, 1997
Cetarthrosaurus walkeri Seeley, 1873
Chacaicosaurus cayi Fernández, 1994
Chaohusaurus chaoxianensis (Chen, 1985)
Chaohusaurus geishanensis Young & Dong, 1972
Chaohusaurus zhangjiawanensis Chen et al., 2013
Contectopalatus atavus (Quenstedt, 1852)
Cymbospondylus buchseri Sander, 1989
Cymbospondylus nicholli Fröbisch et al., 2006
Cymbospondylus petrinus Leidy, 1868
Cymbospondylus piscosus? Leidy, 1868
Dearcmhara shawcrossi Brusatte et al., 2015
Eurhinosaurus longirostris (Mantell, 1851)
Excalibosaurus costini McGowan, 1986
Gengasaurus nicosiai Paparella et al., 2016
Grippia longirostris Wiman, 1929
Guizhouichthyosaurus tangae Cao & Luo in Yin et al., 2000
Guizhouichthyosaurus wolonggangense (Chen et al., 2007)
Gulosaurus helmi Cuthbertson et al., 2013
Hauffiopteryx typicus Maisch, 2008
Himalayasaurus tibetensis Young & Dong, 1972
Hudsonelpidia brevirostris McGowan, 1995
Ichthyosaurus acutirostris Owen, 1840
Ichthyosaurus anningae Lomax & Massare, 2015
Ichthyosaurus breviceps Owen, 1881
Ichthyosaurus communis Conybeare, 1822
Ichthyosaurus conybeari Lydekker, 1888
Ichthyosaurus larkini Lomax & Massare, 2017
Ichthyosaurus somersetensis Lomax & Massare, 2017

Isfjordosaurus minor (Wiman, 1910)

Keihauia nui? Delsett et al., 2017

- * 2017 *Keihauia nui* Delsett et al.; p 7 [Slotsmøya Member, Agardfjellet Formation (lower Berriasian, Lower Cretaceous); northside of Janusfjellet, Spitsbergen, Svalbard (UTM WGS84 33X 0518847 8696044 = 78.33637° N, 015.83513° E)].
- ? 2019 *Arthropterygius chrisorum* (Russell); Zverkov & Prilepskaya, p 15.

Leninia stellans Fischer et al., 2014b

Leptonectes moorei McGowan & Milner, 1999

Leptonectes solei (McGowan, 1993)

Leptonectes tenuirostris (Conybeare, 1822)

Macgowania janiceps (McGowan, 1996)

Maiaspondylus lindoei Maxwell & Caldwell, 2006

Malawania anachronus Fischer et al., 2013

Mikadocephalus gracilirostris Maisch & Matzke, 1997

Mixosaurus cornalianus (Bassani, 1886)

Mixosaurus kuhnschneyderi (Brinkmann, 1998)

Mixosaurus xindianensis Chen & Cheng, 2010

Mollesaurus periallus Fernández, 1999

Muiscasaurus catheti Maxwell et al., 2016

- * 2016 *Muiscasaurus catheti* Maxwell et al.; p 3 [Arcillolitas abigarradas Member, Paja Formation (Barremian–Aptian, Lower Cretaceous); Vereda Llanitos, Sáchica, Boyacá, Colombia (UTM WGS84 18N 662859 616018 = 05.5713000° N, 073.5296833° W)].

Nannopterygius enthekiodon (Hulke, 1871)

Ophthalmosaurus icenicus Seeley, 1874

Ophthalmosaurus natans (Marsh, 1879)

Ophthalmosaurus yasykovi (Efimov, 1999a)

Paraophthalmosaurus kabanovi (Efimov, 1999a)

Paraophthalmosaurus sevaljeviensis Arkhangelsky, 1997

Parvinatator wapitiensis Nicholls & Brinkman, 1995

Pervushovisaurus bannovkensis Arkhangelsky, 1998

Pervushovisaurus campylodon (Carter, 1846)

- * 1846 *Ichthyosaurus campylodon* Carter.
- 1922 *Myopterygius campylodon* (Carter); Huene.
- 1972 *Platypterygius campylodon* (Carter); McGowan.
- 2016 *Pervushovisaurus campylodon* (Carter); Fischer, p 8 [(Cambridge Greensand Member,) West Melbury Marly Chalk Formation (Cenomanian, Upper Cretaceous); Cambridgeshire and Kent, UK].

Pessopteryx nisseri Wiman, 1910

Phalarodon callawayi Schmitz et al., 2004

Phalarodon fraasi Merriam, 1910

Phalarodon major Huene, 1916

Phantomosaurus neubigi (Sander, 1997)

Platypterygius americanus Nace, 1939

- * 1939 *Myopterygius americanus* Nace [Mowry Shale Member, Graneros Formation; Crook County, Wyoming.]
- 1968 *Myopterygius americanus* Nace; Romer.
- 1972 *Platypterygius americanus* (Nace); McGowan.

Platypterygius australis (M'Coy, 1867)
Platypterygius hauthali (Huene, 1927)
Platypterygius hercynicus Kuhn, 1946
Platypterygius ochevi Arkhangelsky et al., 2008
Platypterygius platydactylus (Broili, 1907)
Platypterygius sachicarum Páramo, 1997

Protoichthyosaurus applebyi Lomax et al., Lomax et al. 2017
Protoichthyosaurus prostaxalis Appleby, Appleby 1979

Qianichthyosaurus xingyiensis Ji, Jiang & Motani in Yang et al., 2013
Qianichthyosaurus zhoui Li, 1999

Quasianosteosaurus vikinghoegdai Maisch & Matzke, 2003

Sclerocormus parviceps Jiang et al., 2016

Shastasaurus alexandrae Merriam, 1902
Shastasaurus liangae (Yin in Yin et al., 2000)
Shastasaurus pacificus Merriam, 1895
Shastasaurus sikkaniensis (Nicholls & Manabe, 2004)

Shonisaurus popularis Camp, 1976

Simbirskiasaurus birjukovi Otschev & Efimov, 1985

Sisteronia seeleyi Fischer et al., 2014a

Stenopterygius aaleniensis Maxwell et al., 2012
Stenopterygius quadriscissus (Quenstedt, 1858)
Stenopterygius triscissus (Quenstedt, 1858)
Stenopterygius uniter Huene, 1931b

Suevoleviathan disinteger (Huene, 1926)
Suevoleviathan integer (Bronn, 1844)

Sveltonectes insolitus Fischer et al., 2011

Temnodontosaurus azerguensis Martin et al., 2012
Temnodontosaurus crassimanus (Blake, 1876)
Temnodontosaurus eurycephalus McGowan, 1974
Temnodontosaurus nuertingensis (Huene, 1931a)
Temnodontosaurus platyodon (Conybeare, 1822)
Temnodontosaurus trigonus (Theodori, 1843)

Thaisaurus chonglakmanii Mazin et al., 1991

Thalattoarchon saurophagus Fröbisch et al., 2013

Tholodus schmidi Meyer, 1849

Toretocnemus californicus Merriam, 1903
Toretocnemus zitteli (Merriam, 1903)

Undorosaurus gorodischensis Efimov, 1999b
* 1999b *Undorosaurus gorodischensis* Efimov; p 51.
 2019 *Cryopterygius kristiansenae* Druckenmiller et al.; p 313 [Slottsmøya Member, Agardfjellet Formation (Middle Volgian, Upper Jurassic); Spitsbergen, Svalbard (UTM WGS84 33N 0518842 8696067)].
 2019 *Undorosaurus gorodishensis* Efimov; p 5.

Undorosaurus kielanae (Tyborowski, 2016)

- * 2016 *Cryptoptygius kielanae* Tyborowski; p 793 [Sławno Limestone Member, Kcynia Formation (uppermost Lower Tithonian = Middle Volgian, Upper Jurassic); Owadów-Brzezinki Quarry, Sławno, Poland (UTM WGS84 34U 439831 5692022 = 51.3762583° N, 020.1355167° E)].
- ? 2019 *Undorosaurus kielanae* (Tyborowski); p 5.

Undorosaurus nessovi Efimov, 1999b

Undorosaurus trautscholdi Arkhangelsky & Zverkov, 2014

Cryptoptygius kristiansenae Druckenmiller et al., 2012

Utatsusaurus hataii Shikama et al., 1978

Wahlisaurus massarae Lomax, 2016

- * 2016 *Wahlisaurus massarae* Lomax; p 2 [Barnstone Member?, Scunthorpe Mudstone Formation?, Pre-*planorbis* or *Psiloceras planorbis* beds (lowermost Hettangian, Lower Jurassic); Normanton Hills, Normanton on Soar, UK].

Wimanius odontopalatus Maisch & Matzke, 1998

Xinminosaurus catactes Jiang et al., 2008

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