

Ichthyosauromorph 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

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

Aegirosaurus leptospondylus (Wagner, 1853)

- * 1853 *Ichthyosaurus leptospondylus* Wagner, 1853; Wagner p [Solnhofen Formation (Lower Tithonian, Upper Jurassic, Jurassic); Germany.]
- 2000 *Aegirosaurus leptospondylus* (Wagner, 1853); Bardet et al. p 504 [Malm ζ 2b, Solnhofen Formation (early Lower Tithonian, Upper Jurassic, Jurassic); Borscheim, Schrandel quarry district; Bavaria, Germany.]

Arthropterygius chrisorum (Russell, 1993)

- * 1993 *Ophthalmosaurus chrisorum* Russell, 1993; Russell p 198 [Ringnes Formation (Oxfordian–Kimmeridgian, Upper Jurassic, Jurassic); Cape Grassy, Melville Island, Canada (UTM WGS84 12x 433220 8453461 = 76° 9' 4" N 113° 30' W).]
- p 2018 *Palvennia hoybergeti* Druckenmiller et al., 2012; Delsett et al. p 8 [UTM WGS84 33x 0519622 8695649] PMO 222.669 *vide* Zverkov and Prilepskaya (2019)
- 2019 *Arthropterygius chrisorum* (Russell, 1993); Zverkov et al. p 15

Arthropterygius hoybergeti (Druckenmiller et al., 2012)

- * 2012 *Palvennia hoybergeti* Druckenmiller et al., 2012; Druckenmiller et al. p 326 [Slottsmøya Member, Agardfjellet Formation (Middle Volgian, Upper Jurassic, Jurassic); Spitsbergen, Svalbard (UTM WGS84 33N 0518775 8696150).]
- p 2018 *Palvennia hoybergeti* Druckenmiller et al., 2012; Delsset et al. p 8 [UTM WGS84 33X 0519622 8695649]
- 2019 *Arthropterygius hoybergeti* (Druckenmiller et al., 2012); Zverkov et al. p 31

Athabascasaurus bitumineus Druckenmiller and Maxwell, 2010

Barracudasauroides panxianensis (Jiang et al., 2006)

Besanosaurus leptorhynchus Dal Sasso and Pinna, 1996

Brachypterygius alekseevi (Arkhangelsky, 2001)

Brachypterygius extremus (Boulenger, 1904)

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 and Dong, 1972

Chaohusaurus zhangjiawanensis Chen et al., 2013

Contectopalatus atavus (Quenstedt, 1852)

Cymbospondylus buchseri Sander, 1989

Cymbospondylus nichollsi 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 Yin et al., 2000

Guizhouichthyosaurus wolonggangense (Chen et al., 2007)

Gulosaurus helmi Cuthbertson et al., 2013

Hauffiopteryx typicus Maisch, 2008

Himalayasaurus tibetensis Young and Dong, 1972

Hudsonelpidia brevirostris McGowan, 1995

Ichthyosaurus acutirostris Owen, 1840

Ichthyosaurus anningae Lomax and Massare, 2015

Ichthyosaurus breviceps Owen, 1881

Ichthyosaurus communis Conybeare, 1822

Ichthyosaurus conybeari Lydekker, 1888

Ichthyosaurus larkini Lomax and Massare, 2017

Ichthyosaurus somersetensis Lomax and Massare, 2017

Isfjordosaurus minor (Wiman, 1910)

Keilhauia nui? Delsett et al., 2017

Leninia stellans Fischer et al., 2014a

Leptonectes moorei McGowan and Milner, 1999

Leptonectes solei (McGowan, 1993)

Leptonectes tenuirostris (Conybeare, 1822)

Macgowania janiceps (McGowan, 1996)

Maiaspondylus lindoei Maxwell and Caldwell, 2006

Malawania anachronus Fischer et al., 2013

Mikadocephalus gracilirostris Maisch and Matzke, 1997

Mixosaurus cornalianus (Bassani, 1886)

Mixosaurus kuhnschneyderi (Brinkmann, 1998)

Mixosaurus xindianensis Chen and Cheng, 2010

Mollesaurus pariallus Fernández, 1999

Muiscasaurus catheti Maxwell et al., 2016

Nannopterygius enthekiodon (Hulke, 1871)

Nannopterygius saveljeviensis (Arkhangelsky, 1997)

- * 1997 *Paraophthalmosaurus savejeviensis* Arkhangelsky, 1997; Arkhangelsky p 88
- * 1999b *Yasykovia kabanovi* Efimov, 1999b; Efimov p 98
- 2020 *Nannopterygius savejeviensis* (Arkhangelsky, 1997); Zverkov et al. p 246 [Volgian, Upper Jurassic, Jurassic.]

Nannopterygius yasykovi (Efimov, 1999b)

- * 1999b *Yasykovia sumini* Efimov, 1999b; Efimov p 98

Ophthalmosaurus icenicus Seeley, 1874

- v * 1874 *Ophthalmosaurus icenicus* Seeley, 1874; Seeley p 707 [Peterborough Member, Oxford Clay Formation (Callovian, Middle Jurassic, Jurassic); Peterborough, Cambridgeshire.]

Ophthalmosaurus natans (Marsh, 1879)

Parvinatator wapitiensis Nicholls and Brinkman, 1995

Pervushovisaurus bannovkensis Arkhangelsky, 1998
Pervushovisaurus campylodon (Carter, 1846)
Pessopteryx nisseri Wiman, 1910
Phalarodon callawayi Schmitz et al., 2004
Phalarodon fraasi Merriam, 1910
Phalarodon major von Huene, 1916
Phantomosaurus neubigi (Sander, 1997)
Platypterygius hercynicus Kuhn, 1946
Platypterygius americanus Nace, 1939
Platypterygius australis (M'Coy, 1867)
Platypterygius hauthali (von Huene, 1927)
Platypterygius ochevi Arkhangelsky et al., 2008
Platypterygius platydactylus (Broili, 1907)
Platypterygius sachicarum Páramo, 1997
Protoichthyosaurus applebyi Lomax et al., 2017
Protoichthyosaurus prosaxalis Appleby, 1979
Qianichthyosaurus xingyiensis Yang et al., 2013
Qianichthyosaurus zhoui Li, 1999
Quasianosteosaurus vikinghoegdai Maisch and Matzke, 2003
Sclerocormus parviceps Jiang et al., 2016
Shastasaurus alexandrae Merriam, 1902
Shastasaurus liangae (Yin et al., 2000)
Shastasaurus pacificus Merriam, 1895
Shastasaurus sikkaniensis (Nicholls and Manabe, 2004)
Shonisaurus popularis Camp, 1976
Simbirskiasaurus birjukovi Otschev and Efimov, 1985
Sisteronia seeleyi Fischer et al., 2014b
Stenopterygius aaleniensis Maxwell et al., 2012
Stenopterygius quadriscissus (Quenstedt, 1858)
Stenopterygius triscissus (Quenstedt, 1858)
Stenopterygius uniter von Huene, 1931a
Suevoleviathan disinteger (von 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 (von Huene, 1931b)

Temnodontosaurus platyodon (Conybeare, 1822)

Temnodontosaurus trigonus (von Theodori, 1843)

Thaisaurus chonglakmanii Mazin et al., 1991

Thalattoarchon saurophagis Fröbisch et al., 2013

Tholodus schmidi von Meyer, 1849

Toretocnemus californicus Merriam, 1903

Toretocnemus zitteli (Merriam, 1903)

Undorosaurus gorodischensis Efimov, 1999a

Undorosaurus kielanae (Tyborowski, 2016)

- * 2016 *Cryptopterygius kielanae* Tyborowski, 2016; Tyborowski p 793 [Sławno Limestone Member, Kcynia Formation (uppermost Lower Tithonian = Middle Volgian, Upper Jurassic, Jurassic); Owadów-Brzezinki Quarry, Sławno (UTM WGS84 34U 439831 5692022 = 51.3762583 20.1355167).] A test comment.
- ? 2019 *Undorosaurus kielanae* (Tyborowski, 2016); Zverkov et al. p 1187

Undorosaurus nessovi Efimov, 1999a

Undorosaurus trautscholdi Arkhangelsky and Zverkov, 2014

Utatsusaurus hataii Shikama et al., 1978

Wahlisaurus massarae Lomax, 2016

Wimanius odontopalatus Maisch and Matzke, 1998

Xinminosaurus catactes Jiang et al., 2008

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