Ryosuke Motani

List of Publications by Year
in descending order

91 papers	2,997 citations	159358 30 h-index	205818 48 g-index
92 all docs	92 docs citations	92 times ranked	1401 citing authors

#	Article	IF	Citations
1	Panzhousaurus rotundirostris Jiang et al., 2019 (Diapsida: Sauropterygia) and the recovery of the monophyly of Pachypleurosauridae. Journal of Vertebrate Paleontology, 2021, 41, .	0.4	16
2	Functional morphology of vertebrate claws investigated using functionally based categories and multiple morphological metrics. Journal of Morphology, 2021, 282, 449-471.	0.6	17
3	Ecophysiological steps of marine adaptation in extant and extinct nonâ€avian tetrapods. Biological Reviews, 2021, 96, 1769-1798.	4.7	28
4	Sex estimation from morphology in living animals and dinosaurs. Zoological Journal of the Linnean Society, 2021, 192, 1029-1044.	1.0	2
5	New Thylacocephala (Crustacea) assemblage from the Spathian (Lower Triassic) of Majiashan (Chaohu,) Tj ETQq1 1 0.784314 rgBT /Ove	0.5	4
6	Evidence Supporting Predation of 4-m Marine Reptile by Triassic Megapredator. IScience, 2020, 23, 101347.	1.9	17
7	Repeated evolution of durophagy during ichthyosaur radiation after mass extinction indicated by hidden dentition. Scientific Reports, 2020, 10, 7798.	1.6	12
8	Early Triassic marine reptile representing the oldest record of unusually small eyes in reptiles indicating non-visual prey detection. Scientific Reports, 2019, 9, 152.	1.6	16
9	Flipper bone distribution reveals flexible trailing edge in underwater flying marine tetrapods. Journal of Morphology, 2019, 280, 908-924.	0.6	16
10	The new ichthyosauriform Chaohusaurus brevifemoralis (Reptilia, Ichthyosauromorpha) from Majiashan, Chaohu, Anhui Province, China. PeerJ, 2019, 7, e7561.	0.9	16
11	Land to sea transitions in vertebrates: the dynamics of colonization. Paleobiology, 2018, 44, 237-250.	1.3	22
12	The sea as deathtrap: comment on a paper by miller and wiens. Ecology Letters, 2018, 21, 938-939.	3.0	3
13	Middle Triassic Xingyi Fauna: Showing turnover of marine reptiles from coastal to oceanic environments. Palaeoworld, 2018, 27, 107-116.	0.5	14
14	A new Anisian (Middle Triassic) eosauropterygian (Reptilia, Sauropterygia) from Panzhou, Guizhou Province, China. Journal of Vertebrate Paleontology, 2018, 38, (1)-(9).	0.4	7
15	Separating sexual dimorphism from other morphological variation in a specimen complex of fossil marine reptiles (Reptilia, Ichthyosauriformes, Chaohusaurus). Scientific Reports, 2018, 8, 14978.	1.6	15
16	A new specimen of Lariosaurus xingyiensis (Reptilia, Sauropterygia) from the Ladinian (Middle) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2017, 37, e1278703.	0.4	13
17	Pre- versus post-mass extinction divergence of Mesozoic marine reptiles dictated by time-scale dependence of evolutionary rates. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170241.	1.2	25
18	New species of Thylacocephala (Arthropoda) from the Spathian (Lower Triassic) of Chaohu, Anhui Province of China. Palaontologische Zeitschrift, 2017, 91, 171-184.	0.8	13

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19	The cranial osteology revealed by three-dimensionally preserved skulls of the Early Triassic ichthyosauriform Chaohusaurus chaoxianensis (Reptilia: Ichthyosauromorpha) from Anhui, China. Journal of Vertebrate Paleontology, 2017, 37, e1343831.	0.4	11
20	A large aberrant stem ichthyosauriform indicating early rise and demise of ichthyosauromorphs in the wake of the end-Permian extinction. Scientific Reports, 2016, 6, 26232.	1.6	42
21	Eccentricity and obliquity paced carbon cycling in the Early Triassic and implications for post-extinction ecosystem recovery. Scientific Reports, 2016, 6, 27793.	1.6	23
22	A new species of Xinpusaurus (Reptilia, Thalattosauria) from the Ladinian (Middle Triassic) of Xingyi, Guizhou, southwestern China. Journal of Vertebrate Paleontology, 2016, 36, e1218340.	0.4	8
23	Palaeobiology: Born and Gone in Global Warming. Current Biology, 2016, 26, R466-R468.	1.8	2
24	Phylogeny of the Ichthyopterygia incorporating recent discoveries from South China. Journal of Vertebrate Paleontology, 2016, 36, e1025956.	0.4	43
25	A new Lower Triassic ichthyopterygian assemblage from Fossil Hill, Nevada. PeerJ, 2016, 4, e1626.	0.9	11
26	How warm is too warm for the life cycle of actinopterygian fishes?. Scientific Reports, 2015, 5, 11597.	1.6	15
27	A New Specimen of Carrollâ€™s Mystery Hupehsuchian from the Lower Triassic of China. PLoS ONE, 2015, 10, e0126024.	1.1	13
28	Lunge feeding in early marine reptiles and fast evolution of marine tetrapod feeding guilds. Scientific Reports, 2015, 5, 8900.	1.6	31
29	Trophic convergence drives morphological convergence in marine tetrapods. Biology Letters, 2015, 11, 20140709.	1.0	51
30	Status ofChaohusaurus Chaoxianensis(Chen, 1985). Journal of Vertebrate Paleontology, 2015, 35, e892011.	0.4	14
31	A new pistosauroid (Reptilia, Sauropterygia) from the late Ladinian Xingyi marine reptile level, southwestern China. Journal of Vertebrate Paleontology, 2015, 35, e881832.	0.4	20
32	First evidence of centralia in Ichthyopterygia reiterating bias from paedomorphic characters on marine reptile phylogenetic reconstruction. Journal of Vertebrate Paleontology, 2015, 35, e948547.	0.4	10
33	Adult sex ratio, sexual dimorphism and sexual selection in a Mesozoic reptile. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151658.	1.2	12
34	Ammonoid age control of the Early Triassic marine reptiles from Chaohu (South China). Palaeoworld, 2015, 24, 277-282.	0.5	13
35	A basal ichthyosauriform with a short snout from the Lower Triassic of China. Nature, 2015, 517, 485-488.	13.7	97
36	A Carapace-Like Bony â€˜Body Tubeâ€™ in an Early Triassic Marine Reptile and the Onset of Marine Tetrapod Predation. PLoS ONE, 2014, 9, e94396.	1.1	25

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37	The Enigmatic Marine Reptile Nanchangosaurus from the Lower Triassic of Hubei, China and the Phylogenetic Affinities of Hupehsuchia. PLoS ONE, 2014, 9, e102361.	1.1	44
38	A Small Short-Necked Hupehsuchian from the Lower Triassic of Hubei Province, China. PLoS ONE, 2014, 9, e115244.	1.1	20
39	Selective extinction of Triassic marine reptiles during long-term sea-level changes illuminated by seawater strontium isotopes. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 400, 9-16.	1.0	43
40	A new specimen ofNothosaurus youngifrom the Middle Triassic of Guizhou, China. Journal of Vertebrate Paleontology, 2014, 34, 465-470.	0.4	21
41	The Early Triassic eosauropterygianMajiashanosaurus discocoracoidis, gen. et sp. nov. (Reptilia,) Tj ETQq1 1 0.784314 rgBT /Ov Paleontology, 2014, 34, 1044-1052.	0.4	45
42	Terrestrial Origin of Viviparity in Mesozoic Marine Reptiles Indicated by Early Triassic Embryonic Fossils. PLoS ONE, 2014, 9, e88640.	1.1	63
43	Potential enhanced ability of giant squid to detect sperm whales is an exaptation tied to their large body size. BMC Evolutionary Biology, 2013, 13, 226.	3.2	0
44	A new juvenile specimen ofGuanlingsaurus(Ichthyosauria, Shastasauridae) from the Upper Triassic of southwestern China. Journal of Vertebrate Paleontology, 2013, 33, 340-348.	0.4	19
45	Allometry indicates giant eyes of giant squid are not exceptional. BMC Evolutionary Biology, 2013, 13, 45.	3.2	12
46	The first specimen of the <scp>M</scp>iddle <scp>T</scp>riassic <scp>P</scp>halarodon atavus (<scp>I</scp>chthyosauria: <scp>M</scp>ixosauridae) from <scp>S</scp>outh <scp>C</scp>hina, showing postcranial anatomy and periâ€<scp>T</scp>ethyan distribution. Palaeontology, 2013, 56, 849-866.	1.0	13
47	Absence of Suction Feeding Ichthyosaurs and Its Implications for Triassic Mesopelagic Paleoecology. PLoS ONE, 2013, 8, e66075.	1.1	38
48	New information on the protorosaurian reptileMacrocnemus fuyuanensisLi et al., 2007, from the Middle/Upper Triassic of Yunnan, China. Journal of Vertebrate Paleontology, 2011, 31, 1230-1237.	0.4	23
49	A new pachypleurosaur (Reptilia: Sauropterygia) from the lower Middle Triassic of southwestern China and the phylogenetic relationships of Chinese pachypleurosaurs. Journal of Vertebrate Paleontology, 2011, 31, 292-302.	0.4	44
50	Nocturnality in Dinosaurs Inferred from Scleral Ring and Orbit Morphology. Science, 2011, 332, 705-708.	6.0	129
51	PHYLOGENETIC VERSUS FUNCTIONAL SIGNALS IN THE EVOLUTION OF FORM-FUNCTION RELATIONSHIPS IN TERRESTRIAL VISION. Evolution; International Journal of Organic Evolution, 2011, 65, 2245-2257.	1.1	80
52	Response to Comment on â€œNocturnality in Dinosaurs Inferred from Scleral Ring and Orbit Morphologyâ€• Science, 2011, 334, 1641-1641.	6.0	9
53	Morphological differences between the eyeballs of nocturnal and diurnal amniotes revisited from optical perspectives of visual environments. Vision Research, 2010, 50, 936-946.	0.7	58
54	Relationship between osteology and aquatic locomotion in birds: determining modes of locomotion in extinct Ornithurae. Journal of Evolutionary Biology, 2010, 23, 372-385.	0.8	52

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55	Tanystropheuscf.T. longobardicusfrom the early Late Triassic of Guizhou Province, southwestern China. Journal of Vertebrate Paleontology, 2010, 30, 1082-1089.	0.4	30
56	Warm-Blooded â€œSea Dragonsâ€?. Science, 2010, 328, 1361-1362.	6.0	32
57	The Evolution of Marine Reptiles. Evolution: Education and Outreach, 2009, 2, 224-235.	0.3	106
58	Biodiversity and Sequence of the Middle Triassic Panxian Marine Reptile Fauna, Guizhou Province, China. Acta Geologica Sinica, 2009, 83, 451-459.	0.8	37
59	Horizons and assemblages of Middle Triassic marine reptiles from Panxian, Guizhou, China. Journal of Vertebrate Paleontology, 2008, 28, 900-903.	0.4	28
60	New primitive ichthyosaurian (Reptilia, Diapsida) from the Middle Triassic of Panxian, Guizhou, southwestern China and its position in the Triassic biotic recovery. Progress in Natural Science: Materials International, 2008, 18, 1315-1319.	1.8	20
61	A new Middle Triassic eosauropterygian (Reptilia, Sauropterygia) from southwestern China. Journal of Vertebrate Paleontology, 2008, 28, 1055-1062.	0.4	30
62	First record of Placodontoidea (Reptilia, Sauropterygia, Placodontia) from the Eastern Tethys. Journal of Vertebrate Paleontology, 2008, 28, 904-908.	0.4	48
63	Combining Uniformitarian and Historical Data to Interpret How Earth Environment Influenced the Evolution of Ichthyopterygia. The Paleontological Society Papers, 2008, 14, 147-164.	0.8	9
64	THE MIXOSAURID ICHTHYOSAUR PHALARODON CF. P. FRAASI FROM THE MIDDLE TRIASSIC OF GUIZHOU PROVINCE, CHINA. Journal of Paleontology, 2007, 81, 602-605.	0.5	19
65	True skull roof configuration ofIchthyosaurusandStenopterygiusand its implications. Journal of Vertebrate Paleontology, 2005, 25, 338-342.	0.4	16
66	EVOLUTION OF FISH-SHAPED REPTILES (REPTILIA: ICHTHYOPTERYGIA) IN THEIR PHYSICAL ENVIRONMENTS AND CONSTRAINTS. Annual Review of Earth and Planetary Sciences, 2005, 33, 395-420.	4.6	120
67	Guanling Biota: A Marker of Triassic Biotic Recovery from the endâ€Permian Extinction in the Ancient Guizhou Sea. Acta Geologica Sinica, 2005, 79, 729-738.	0.8	16
68	Detailed tooth morphology in a durophagous ichthyosaur captured by 3D laser scanner. Journal of Vertebrate Paleontology, 2005, 25, 462-465.	0.4	18
69	Swimming speed estimation of extinct marine reptiles: energetic approach revisited. Paleobiology, 2002, 28, 251-262.	1.3	48
70	Scaling effects in caudal fin propulsion and the speed of ichthyosaurs. Nature, 2002, 415, 309-312.	13.7	85
71	Estimating body mass from silhouettes: testing the assumption of elliptical body cross-sections. Paleobiology, 2001, 27, 735-750.	1.3	45
72	Rulers of the Jurassic Seas. Scientific American, 2000, 283, 52-59.	1.0	41

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73	Skull ofGrippia Longirostris: no contradiction with a diapsid affinity for the Ichthyopterygia. Palaeontology, 2000, 43, 01-14.	1.0	20
74	IsOmphalosaurusichthyopterygian?â€"A phylogenetic perspective. Journal of Vertebrate Paleontology, 2000, 20, 295-301.	0.4	21
75	On the evolution and homologies of ichthyopterygian forefins. Journal of Vertebrate Paleontology, 1999, 19, 28-41.	0.4	90
76	A reinterpretation of the Upper Triassic ichthyosaurShonisaurus. Journal of Vertebrate Paleontology, 1999, 19, 42-49.	0.4	21
77	Phylogeny of the Ichthyopterygia. Journal of Vertebrate Paleontology, 1999, 19, 473-496.	0.4	157
78	Large eyeballs in diving ichthyosaurs. Nature, 1999, 402, 747-747.	13.7	135
79	The skull and taxonomy ofMixosaurus(Ichthyopterygia). Journal of Paleontology, 1999, 73, 924-935.	0.5	27
80	Taxonomy and limb ontogeny ofChaohusaurus geishanensis(Ichthyosauria), with a note on the allometric equation. Journal of Vertebrate Paleontology, 1998, 18, 533-540.	0.4	34
81	Ichthyosaurian relationships illuminated by new primitive skeletons from Japan. Nature, 1998, 393, 255-257.	13.7	64
82	The forefin of Chensaurus chaoxianensis (Ichthyosauria) shows delayed mesopodial ossification. Journal of Paleontology, 1998, 72, 133-136.	0.5	24
83	New information on the forefin of Utatsusaurus hataii (Ichthyosauria). Journal of Paleontology, 1997, 71, 475-479.	0.5	20
84	Redescription of the dentition ofGrippia longirostris(Ichthyosauria) with a comparison withUtatsusaurus hataii. Journal of Vertebrate Paleontology, 1997, 17, 39-44.	0.4	33
85	New technique for retrodeforming tectonically deformed fossils, with an example for ichthyosaurian specimens. Lethaia, 1997, 30, 221-228.	0.6	32
86	Temporal and Spatial Distribution of Tooth Implantations in Ichthyosaurs. , 1997, , 81-103.		30
87	Eel-like swimming in the earliest ichthyosaurs. Nature, 1996, 382, 347-348.	13.7	88
88	Redescription of the dental features of an Early Triassic ichthyosaur,Utatsusaurus hataii. Journal of Vertebrate Paleontology, 1996, 16, 396-402.	0.4	26
89	A New Specimen of Thalattosauroidea (Reptilia, Thalattosauriformes) from the Middle Triassic (Ladinian) of Xingyi, Southernwestern China. Journal of Vertebrate Paleontology, 0, , e1881965.	0.4	1
90	New information on sexual dimorphism and allometric growth in Keichousaurus hui, a pachypleurosaur from the Middle Triassic of Guizhou, South China. Acta Palaeontologica Polonica, 0, , .	0.4	4

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91	The oldest record of Saurosphargiformes (Diapsida) from South China could fill an ecological gap in the Early Triassic biotic recovery. PeerJ, 0, 10, e13569.	0.9	5