

Zhe-Xi Luo

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

6,665
citations

125106

35
h-index

169272

56
g-index

64
all docs

64
docs citations

64
times ranked

4258
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphological disparity and evolutionary transformations in the primate hyoid apparatus. <i>Journal of Human Evolution</i> , 2022, 162, 103094.	1.3	3
2	Postcrania of <i>Borealestes</i> (Mammaliformes, Docodonta) and the emergence of ecomorphological diversity in early mammals. <i>Palaeontology</i> , 2022, 65, .	1.0	7
3	The functional diversity of marsupial limbs is influenced by both ecology and developmental constraint. <i>Biological Journal of the Linnean Society</i> , 2022, 135, 569-585.	0.7	6
4	Evolution of inner ear neuroanatomy of bats and implications for echolocation. <i>Nature</i> , 2022, 602, 449-454.	13.7	16
5	New species of mammaliaform and the cranium of <i>Borealestes</i> (Mammaliformes: Docodonta) from the Middle Jurassic of the British Isles. <i>Zoological Journal of the Linnean Society</i> , 2021, 192, 1323-1362.	1.0	10
6	Mesozoic Mammals and Early Mammalian Evolution. , 2021, , 227-236.		0
7	Postcranial Skeleton of <i>Henkelotherium guimarotae</i> (Cladotheria, Mammalia) and Locomotor Adaptation. <i>Journal of Mammalian Evolution</i> , 2020, 27, 349-372.	1.0	9
8	Incomplete convergence of gliding mammal skeletons*. <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 2662-2680.	1.1	37
9	Origins and Early Evolution of Mammalian Ears and Hearing Function. , 2020, , 207-252.		10
10	New Jurassic mammaliaform sheds light on early evolution of mammal-like hyoid bones. <i>Science</i> , 2019, 365, 276-279.	6.0	44
11	The mandible and dentition of <i>Borealestes serendipitus</i> (Docodonta) from the Middle Jurassic of Skye, Scotland. <i>Journal of Vertebrate Paleontology</i> , 2019, 39, e1621884.	0.4	14
12	Morphology of the petrosal and stapes of <i>Borealestes</i> (Mammaliaformes, Docodonta) from the Middle Jurassic of Skye, Scotland. <i>Papers in Palaeontology</i> , 2019, 5, 139-156.	0.7	15
13	Re-examination of the Jurassic Mammaliaform Docodon victor by Computed Tomography and Occlusal Functional Analysis. <i>Journal of Mammalian Evolution</i> , 2019, 26, 9-38.	1.0	21
14	The role of miniaturization in the evolution of the mammalian jaw and middle ear. <i>Nature</i> , 2018, 561, 533-537.	13.7	51
15	Late-surviving stem mammal links the lowermost Cretaceous of North America and Gondwana. <i>Nature</i> , 2018, 558, 108-112.	13.7	67
16	A new developmental mechanism for the separation of the mammalian middle ear ossicles from the jaw. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162416.	1.2	44
17	The postcranial skeleton of <i>Yanoconodon allini</i> from the Early Cretaceous of Hebei, China, and its implications for locomotor adaptation in eutriconodontan mammals. <i>Journal of Vertebrate Paleontology</i> , 2017, 37, e1315425.	0.4	10
18	Meckel's cartilage breakdown offers clues to mammalian middle ear evolution. <i>Nature Ecology and Evolution</i> , 2017, 1, 93.	3.4	43

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19	New gliding mammaliaforms from the Jurassic. <i>Nature</i> , 2017, 548, 291-296.	13.7	71
20	New evidence for mammaliaform ear evolution and feeding adaptation in a Jurassic ecosystem. <i>Nature</i> , 2017, 548, 326-329.	13.7	84
21	Inner ear labyrinth anatomy of monotremes and implications for mammalian inner ear evolution. <i>Journal of Morphology</i> , 2017, 278, 236-263.	0.6	33
22	Morphological evolution of the mammalian jaw adductor complex. <i>Biological Reviews</i> , 2017, 92, 1910-1940.	4.7	51
23	Micro-computed tomography in murine models of cerebral cavernous malformations as a paradigm for brain disease. <i>Journal of Neuroscience Methods</i> , 2016, 271, 14-24.	1.3	25
24	Evolution of the Middle and Inner Ears of Mammaliaforms: The Approach to Mammals. <i>Springer Handbook of Auditory Research</i> , 2016, , 139-174.	0.3	34
25	Mammalian Petrosal from the Upper Jurassic Morrison Formation of Fruita, Colorado. <i>Annals of Carnegie Museum</i> , 2015, 83, 1-17.	0.1	13
26	Mandibular and dental characteristics of Late Triassic mammaliaform <i>Haramiyavia</i> and their ramifications for basal mammal evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E7101-9.	3.3	98
27	Evolutionary development in basal mammaliaforms as revealed by a docodontan. <i>Science</i> , 2015, 347, 760-764.	6.0	78
28	An arboreal docodont from the Jurassic and mammaliaform ecological diversification. <i>Science</i> , 2015, 347, 764-768.	6.0	115
29	A Cretaceous eutriconodont and integument evolution in early mammals. <i>Nature</i> , 2015, 526, 380-384.	13.7	66
30	Tooth structure re-engineered. <i>Nature</i> , 2014, 512, 36-37.	13.7	5
31	A Jurassic mammaliaform and the earliest mammalian evolutionary adaptations. <i>Nature</i> , 2013, 500, 163-167.	13.7	136
32	Earliest Evolution of Multituberculate Mammals Revealed by a New Jurassic Fossil. <i>Science</i> , 2013, 341, 779-783.	6.0	90
33	The Placental Mammal Ancestor and the Post-K-Pg Radiation of Placentals. <i>Science</i> , 2013, 339, 662-667.	6.0	1,000
34	Reinvestigation of the basicranium of <i>Haldanodon exspectatus</i> (Mammaliaformes, Docodonta). <i>Journal of Vertebrate Paleontology</i> , 2013, 33, 382-400.	0.4	48
35	Postcranial Skeleton of the Cretaceous Mammal <i>Akidolestes cifellii</i> and Its Locomotor Adaptations. <i>Journal of Mammalian Evolution</i> , 2013, 20, 159-189.	1.0	34
36	The petrosal and inner ear of the Late Jurassic cladotherian mammal <i>Dryolestes leiriensis</i> and implications for ear evolution in therian mammals. <i>Zoological Journal of the Linnean Society</i> , 2012, 166, 433-463.	1.0	49

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37	A Jurassic eutherian mammal and divergence of marsupials and placentals. <i>Nature</i> , 2011, 476, 442-445.	13.7	470
38	Developmental Patterns in Mesozoic Evolution of Mammal Ears. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2011, 42, 355-380.	3.8	120
39	Fossil Evidence on Origin of the Mammalian Brain. <i>Science</i> , 2011, 332, 955-957.	6.0	304
40	Fossil evidence on evolution of inner ear cochlea in Jurassic mammals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 28-34.	1.2	88
41	Journal club. <i>Nature</i> , 2010, 465, 669-669.	13.7	0
42	Recent advances in Chinese palaeontology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 161-164.	1.2	3
43	Petrosal anatomy and inner ear structures of the Late Jurassic <i>Henkelotherium</i> (Mammalia). <i>Journal of Anatomy</i> , 2009, 214, 679-693.	0.9	73
44	Evolutionary Development of the Middle Ear in Mesozoic Therian Mammals. <i>Science</i> , 2009, 326, 278-281.	6.0	94
45	Analysis of Molar Structure and Phylogeny of Docodont Genera. <i>Bulletin of Carnegie Museum of Natural History</i> , 2007, 39, 27-47.	1.0	31
46	A new eutriconodont mammal and evolutionary development in early mammals. <i>Nature</i> , 2007, 446, 288-293.	13.7	162
47	Convergent dental adaptations in pseudo-tribosphenic and tribosphenic mammals. <i>Nature</i> , 2007, 450, 93-97.	13.7	102
48	Transformation and diversification in early mammal evolution. <i>Nature</i> , 2007, 450, 1011-1019.	13.7	455
49	A Swimming Mammaliaform from the Middle Jurassic and Ecomorphological Diversification of Early Mammals. <i>Science</i> , 2006, 311, 1123-1127.	6.0	247
50	A Cretaceous symmetrodont therian with some monotreme-like postcranial features. <i>Nature</i> , 2006, 439, 195-200.	13.7	79
51	New Study on Dental and Skeletal Features of the Cretaceous <i>Symmetrodontan</i> Mammal <i>Zhangheotherium</i> . <i>Journal of Mammalian Evolution</i> , 2005, 12, 337-357.	1.0	40
52	A Late Jurassic Digging Mammal and Early Mammalian Diversification. <i>Science</i> , 2005, 308, 103-107.	6.0	171
53	Paleontology. Homoplasy in the mammalian ear. <i>Science</i> , 2005, 307, 861-2.	6.0	1
54	EVOLUTION OF DENTAL REPLACEMENT IN MAMMALS. <i>Bulletin of Carnegie Museum of Natural History</i> , 2004, 36, 159-175.	1.0	98

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55	The earliest known member of the roqualâ€™gray whale clade (Mammalia, Cetacea). Journal of Vertebrate Paleontology, 2004, 24, 453-463.	0.4	22
56	Mammals from the Age of Dinosaurs. , 2004, , .		613
57	The earliest-known duck-billed dinosaur from deposits of late Early Cretaceous age in northwest China and hadrosaur evolution. Cretaceous Research, 2003, 24, 347-355.	0.6	74
58	An Early Cretaceous Tribosphenic Mammal and Metatherian Evolution. Science, 2003, 302, 1934-1940.	6.0	340
59	The earliest known eutherian mammal. Nature, 2002, 416, 816-822.	13.7	410
60	Dual origin of tribosphenic mammals. Nature, 2001, 409, 53-57.	13.7	231