

Zhe-Xi Luo

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

6,665
citations

109137

35
h-index

149479

56
g-index

64
all docs

64
docs citations

64
times ranked

3781
citing authors

#	ARTICLE	IF	CITATIONS
1	The Placental Mammal Ancestor and the Post-K-Pg Radiation of Placentals. <i>Science</i> , 2013, 339, 662-667.	6.0	1,000
2	Mammals from the Age of Dinosaurs. , 2004, , .		613
3	A Jurassic eutherian mammal and divergence of marsupials and placentals. <i>Nature</i> , 2011, 476, 442-445.	13.7	470
4	Transformation and diversification in early mammal evolution. <i>Nature</i> , 2007, 450, 1011-1019.	13.7	455
5	The earliest known eutherian mammal. <i>Nature</i> , 2002, 416, 816-822.	13.7	410
6	An Early Cretaceous Tribosphenic Mammal and Metatherian Evolution. <i>Science</i> , 2003, 302, 1934-1940.	6.0	340
7	Fossil Evidence on Origin of the Mammalian Brain. <i>Science</i> , 2011, 332, 955-957.	6.0	304
8	A Swimming Mammaliaform from the Middle Jurassic and Ecomorphological Diversification of Early Mammals. <i>Science</i> , 2006, 311, 1123-1127.	6.0	247
9	Dual origin of tribosphenic mammals. <i>Nature</i> , 2001, 409, 53-57.	13.7	231
10	A Late Jurassic Digging Mammal and Early Mammalian Diversification. <i>Science</i> , 2005, 308, 103-107.	6.0	171
11	A new eutriconodont mammal and evolutionary development in early mammals. <i>Nature</i> , 2007, 446, 288-293.	13.7	162
12	A Jurassic mammaliaform and the earliest mammalian evolutionary adaptations. <i>Nature</i> , 2013, 500, 163-167.	13.7	136
13	Developmental Patterns in Mesozoic Evolution of Mammal Ears. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2011, 42, 355-380.	3.8	120
14	An arboreal docodont from the Jurassic and mammaliaform ecological diversification. <i>Science</i> , 2015, 347, 764-768.	6.0	115
15	Convergent dental adaptations in pseudo-tribosphenic and tribosphenic mammals. <i>Nature</i> , 2007, 450, 93-97.	13.7	102
16	EVOLUTION OF DENTAL REPLACEMENT IN MAMMALS. <i>Bulletin of Carnegie Museum of Natural History</i> , 2004, 36, 159-175.	1.0	98
17	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
18	Evolutionary Development of the Middle Ear in Mesozoic Therian Mammals. <i>Science</i> , 2009, 326, 278-281.	6.0	94

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19	Earliest Evolution of Multituberculate Mammals Revealed by a New Jurassic Fossil. <i>Science</i> , 2013, 341, 779-783.	6.0	90
20	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
21	New evidence for mammaliaform ear evolution and feeding adaptation in a Jurassic ecosystem. <i>Nature</i> , 2017, 548, 326-329.	13.7	84
22	A Cretaceous symmetrodont therian with some monotreme-like postcranial features. <i>Nature</i> , 2006, 439, 195-200.	13.7	79
23	Evolutionary development in basal mammaliaforms as revealed by a docodontan. <i>Science</i> , 2015, 347, 760-764.	6.0	78
24	The earliest-known duck-billed dinosaur from deposits of late Early Cretaceous age in northwest China and hadrosaur evolution. <i>Cretaceous Research</i> , 2003, 24, 347-355.	0.6	74
25	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
26	New gliding mammaliaforms from the Jurassic. <i>Nature</i> , 2017, 548, 291-296.	13.7	71
27	Late-surviving stem mammal links the lowermost Cretaceous of North America and Gondwana. <i>Nature</i> , 2018, 558, 108-112.	13.7	67
28	A Cretaceous eutriconodont and integument evolution in early mammals. <i>Nature</i> , 2015, 526, 380-384.	13.7	66
29	Morphological evolution of the mammalian jaw adductor complex. <i>Biological Reviews</i> , 2017, 92, 1910-1940.	4.7	51
30	The role of miniaturization in the evolution of the mammalian jaw and middle ear. <i>Nature</i> , 2018, 561, 533-537.	13.7	51
31	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
32	Reinvestigation of the basicranium of <i>Haldanodon exspectatus</i> (Mammaliaformes, Docodonta). <i>Journal of Vertebrate Paleontology</i> , 2013, 33, 382-400.	0.4	48
33	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
34	New Jurassic mammaliaform sheds light on early evolution of mammal-like hyoid bones. <i>Science</i> , 2019, 365, 276-279.	6.0	44
35	Meckel's cartilage breakdown offers clues to mammalian middle ear evolution. <i>Nature Ecology and Evolution</i> , 2017, 1, 93.	3.4	43
36	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

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37	Incomplete convergence of gliding mammal skeletons*. Evolution; International Journal of Organic Evolution, 2020, 74, 2662-2680.	1.1	37
38	Postcranial Skeleton of the Cretaceous Mammal <i>Akidolestes cifellii</i> and Its Locomotor Adaptations. Journal of Mammalian Evolution, 2013, 20, 159-189.	1.0	34
39	Evolution of the Middle and Inner Ears of Mammaliaforms: The Approach to Mammals. Springer Handbook of Auditory Research, 2016, , 139-174.	0.3	34
40	Inner ear labyrinth anatomy of monotremes and implications for mammalian inner ear evolution. Journal of Morphology, 2017, 278, 236-263.	0.6	33
41	Analysis of Molar Structure and Phylogeny of Docodont Genera. Bulletin of Carnegie Museum of Natural History, 2007, 39, 27-47.	1.0	31
42	Micro-computed tomography in murine models of cerebral cavernous malformations as a paradigm for brain disease. Journal of Neuroscience Methods, 2016, 271, 14-24.	1.3	25
43	The earliest known member of the <i>rorqual</i> gray whale clade (Mammalia, Cetacea). Journal of Vertebrate Paleontology, 2004, 24, 453-463.	0.4	22
44	Re-examination of the Jurassic Mammaliaform <i>Docodon victor</i> by Computed Tomography and Occlusal Functional Analysis. Journal of Mammalian Evolution, 2019, 26, 9-38.	1.0	21
45	Evolution of inner ear neuroanatomy of bats and implications for echolocation. Nature, 2022, 602, 449-454.	13.7	16
46	Morphology of the petrosal and stapes of <i>Borealestes</i> (Mammaliaformes, Docodonta) from the Middle Jurassic of Skye, Scotland. Papers in Palaeontology, 2019, 5, 139-156.	0.7	15
47	The mandible and dentition of <i>Borealestes serendipitus</i> (Docodonta) from the Middle Jurassic of Skye, Scotland. Journal of Vertebrate Paleontology, 2019, 39, e1621884.	0.4	14
48	Mammalian Petrosal from the Upper Jurassic Morrison Formation of Fruita, Colorado. Annals of Carnegie Museum, 2015, 83, 1-17.	0.1	13
49	The postcranial skeleton of <i>Yanoconodon allini</i> from the Early Cretaceous of Hebei, China, and its implications for locomotor adaptation in eutriconodontan mammals. Journal of Vertebrate Paleontology, 2017, 37, e1315425.	0.4	10
50	New species of mammaliaform and the cranium of <i>Borealestes</i> (Mammaliaformes: Docodonta) from the Middle Jurassic of the British Isles. Zoological Journal of the Linnean Society, 2021, 192, 1323-1362.	1.0	10
51	Origins and Early Evolution of Mammalian Ears and Hearing Function. , 2020, , 207-252.		10
52	Postcranial Skeleton of <i>Henkelotherium guimarotae</i> (Cladotheria, Mammalia) and Locomotor Adaptation. Journal of Mammalian Evolution, 2020, 27, 349-372.	1.0	9
53	Postcrania of <i>Borealestes</i> (Mammaliaformes, Docodonta) and the emergence of ecomorphological diversity in early mammals. Palaeontology, 2022, 65, .	1.0	7
54	The functional diversity of marsupial limbs is influenced by both ecology and developmental constraint. Biological Journal of the Linnean Society, 2022, 135, 569-585.	0.7	6

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55	Tooth structure re-engineered. <i>Nature</i> , 2014, 512, 36-37.	13.7	5
56	Recent advances in Chinese palaeontology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 161-164.	1.2	3
57	Morphological disparity and evolutionary transformations in the primate hyoid apparatus. <i>Journal of Human Evolution</i> , 2022, 162, 103094.	1.3	3
58	Paleontology. Homoplasy in the mammalian ear. <i>Science</i> , 2005, 307, 861-2.	6.0	1
59	Journal club. <i>Nature</i> , 2010, 465, 669-669.	13.7	0
60	Mesozoic Mammals and Early Mammalian Evolution. , 2021, , 227-236.		0