

Zhe-Xi Luo

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59
papers

5,392
citations

33
h-index

64
g-index

64
ext. papers

6,014
ext. citations

22.2
avg, IF

5.89
L-index

#	Paper	IF	Citations
59	The placental mammal ancestor and the post-K-Pg radiation of placentals. <i>Science</i> , 2013 , 339, 662-7	33.3	806
58	Mammals from the Age of Dinosaurs 2004 ,		491
57	Transformation and diversification in early mammal evolution. <i>Nature</i> , 2007 , 450, 1011-9	50.4	378
56	A Jurassic eutherian mammal and divergence of marsupials and placentals. <i>Nature</i> , 2011 , 476, 442-5	50.4	377
55	The earliest known eutherian mammal. <i>Nature</i> , 2002 , 416, 816-22	50.4	358
54	An Early Cretaceous tribosphenic mammal and metatherian evolution. <i>Science</i> , 2003 , 302, 1934-40	33.3	294
53	Fossil evidence on origin of the mammalian brain. <i>Science</i> , 2011 , 332, 955-7	33.3	241
52	A swimming mammaliaform from the Middle Jurassic and ecomorphological diversification of early mammals. <i>Science</i> , 2006 , 311, 1123-7	33.3	214
51	Dual origin of tribosphenic mammals. <i>Nature</i> , 2001 , 409, 53-7	50.4	201
50	A Late Jurassic digging mammal and early mammalian diversification. <i>Science</i> , 2005 , 308, 103-7	33.3	152
49	A new eutriconodont mammal and evolutionary development in early mammals. <i>Nature</i> , 2007 , 446, 288-93	50.4	138
48	A Jurassic mammaliaform and the earliest mammalian evolutionary adaptations. <i>Nature</i> , 2013 , 500, 163-70	50.4	114
47	Convergent dental adaptations in pseudo-tribosphenic and tribosphenic mammals. <i>Nature</i> , 2007 , 450, 93-7	50.4	92
46	Developmental Patterns in Mesozoic Evolution of Mammal Ears. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2011 , 42, 355-380	13.5	91
45	Mandibular and dental characteristics of Late Triassic mammaliaform Haramiyavia 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	11.5	87
44	Mammalian evolution. An arboreal docodont from the Jurassic and mammaliaform ecological diversification. <i>Science</i> , 2015 , 347, 764-8	33.3	86
43	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	4.4	79

42	Evolutionary development of the middle ear in Mesozoic therian mammals. <i>Science</i> , 2009 , 326, 278-81	33.3	79
41	A Cretaceous symmetrodont therian with some monotreme-like postcranial features. <i>Nature</i> , 2006 , 439, 195-200	50.4	77
40	EVOLUTION OF DENTAL REPLACEMENT IN MAMMALS. <i>Bulletin of Carnegie Museum of Natural History</i> , 2004 , 36, 159-175		76
39	Earliest evolution of multituberculate mammals revealed by a new Jurassic fossil. <i>Science</i> , 2013 , 341, 779-83	33.3	74
38	Petrosal anatomy and inner ear structures of the Late Jurassic Henkelotherium (Mammalia, Cladotheria, Dryolestoidea): insight into the early evolution of the ear region in cladotherian mammals. <i>Journal of Anatomy</i> , 2009 , 214, 679-93	2.9	64
37	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	1.8	64
36	New evidence for mammaliaform ear evolution and feeding adaptation in a Jurassic ecosystem. <i>Nature</i> , 2017 , 548, 326-329	50.4	63
35	Mammalian evolution. Evolutionary development in basal mammaliaforms as revealed by a docodontan. <i>Science</i> , 2015 , 347, 760-4	33.3	57
34	New gliding mammaliaforms from the Jurassic. <i>Nature</i> , 2017 , 548, 291-296	50.4	52
33	A Cretaceous eutriconodont and integument evolution in early mammals. <i>Nature</i> , 2015 , 526, 380-4	50.4	49
32	Late-surviving stem mammal links the lowermost Cretaceous of North America and Gondwana. <i>Nature</i> , 2018 , 558, 108-112	50.4	47
31	Reinvestigation of the basicranium of <i>Haldanodon exspectatus</i> (Mammaliaformes, Docodonta). <i>Journal of Vertebrate Paleontology</i> , 2013 , 33, 382-400	1.7	40
30	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	2.4	39
29	New Study on Dental and Skeletal Features of the Cretaceous Symmetrodontan Mammal <i>Zhangheotherium</i> . <i>Journal of Mammalian Evolution</i> , 2005 , 12, 337-357	2.2	39
28	The role of miniaturization in the evolution of the mammalian jaw and middle ear. <i>Nature</i> , 2018 , 561, 533-537	50.4	35
27	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,	4.4	33
26	Morphological evolution of the mammalian jaw adductor complex. <i>Biological Reviews</i> , 2017 , 92, 1910-1940	49.5	32
25	Meckel's cartilage breakdown offers clues to mammalian middle ear evolution. <i>Nature Ecology and Evolution</i> , 2017 , 1, 93	12.3	30

24	Postcranial Skeleton of the Cretaceous Mammal <i>Akidolestes cifellii</i> and Its Locomotor Adaptations. <i>Journal of Mammalian Evolution</i> , 2013 , 20, 159-189	2.2	27
23	Inner ear labyrinth anatomy of monotremes and implications for mammalian inner ear evolution. <i>Journal of Morphology</i> , 2017 , 278, 236-263	1.6	25
22	Analysis of Molar Structure and Phylogeny of Docodont Genera. <i>Bulletin of Carnegie Museum of Natural History</i> , 2007 , 39, 27-47		25
21	Evolution of the Middle and Inner Ears of Mammaliaforms: The Approach to Mammals. <i>Springer Handbook of Auditory Research</i> , 2016 , 139-174	1.2	22
20	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	3	21
19	The earliest known member of the rorqual gray whale clade (Mammalia, Cetacea). <i>Journal of Vertebrate Paleontology</i> , 2004 , 24, 453-463	1.7	21
18	New Jurassic mammaliaform sheds light on early evolution of mammal-like hyoid bones. <i>Science</i> , 2019 , 365, 276-279	33.3	20
17	Incomplete convergence of gliding mammal skeletons. <i>Evolution; International Journal of Organic Evolution</i> , 2020 , 74, 2662-2680	3.8	14
16	Re-examination of the Jurassic Mammaliaform <i>Docodon victor</i> by Computed Tomography and Occlusal Functional Analysis. <i>Journal of Mammalian Evolution</i> , 2019 , 26, 9-38	2.2	14
15	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	2.5	12
14	Mammalian Petrosal from the Upper Jurassic Morrison Formation of Fruita, Colorado. <i>Annals of Carnegie Museum</i> , 2015 , 83, 1-17	1.4	9
13	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	1.7	8
12	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	1.7	7
11	Evolution: Tooth structure re-engineered. <i>Nature</i> , 2014 , 512, 36-7	50.4	5
10	Postcranial Skeleton of <i>Henkelotherium guimarotae</i> (Cladotheria, Mammalia) and Locomotor Adaptation. <i>Journal of Mammalian Evolution</i> , 2020 , 27, 349-372	2.2	4
9	Postcrania of <i>Borealestes</i> (Mammaliaformes, Docodonta) and the emergence of ecomorphological diversity in early mammals. <i>Palaeontology</i> ,	2.9	2
8	Origins and Early Evolution of Mammalian Ears and Hearing Function 2020 , 207-252		2
7	Evolution of inner ear neuroanatomy of bats and implications for echolocation.. <i>Nature</i> , 2022 ,	50.4	1

6	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	2.4	1
5	Paleontology. Homoplasy in the mammalian ear. <i>Science</i> , 2005 , 307, 861-2	33.3	1
4	Recent advances in Chinese palaeontology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 161-4	4.4	0
3	Journal club. A palaeontologist ponders how genes and fossils can illuminate mammalian evolution. <i>Nature</i> , 2010 , 465, 669	50.4	
2	Morphological disparity and evolutionary transformations in the primate hyoid apparatus. <i>Journal of Human Evolution</i> , 2021 , 162, 103094	3.1	
1	Mesozoic Mammals and Early Mammalian Evolution 2021 , 227-236		