

# Zhe-Xi Luo

## List of Publications by Year in Descending Order

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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	Evolution of inner ear neuroanatomy of bats and implications for echolocation.. <i>Nature</i> , <b>2022</b> ,	50.4	1
58	Morphological disparity and evolutionary transformations in the primate hyoid apparatus. <i>Journal of Human Evolution</i> , <b>2021</b> , 162, 103094	3.1	
57	New species of mammaliaform and the cranium of Borealestes (Mammaliaformes: Docodonta) from the Middle Jurassic of the British Isles. <i>Zoological Journal of the Linnean Society</i> , <b>2021</b> , 192, 1323-1362	2.4	1
56	Mesozoic Mammals and Early Mammalian Evolution <b>2021</b> , 227-236		
55	Origins and Early Evolution of Mammalian Ears and Hearing Function <b>2020</b> , 207-252		2
54	Incomplete convergence of gliding mammal skeletons. <i>Evolution; International Journal of Organic Evolution</i> , <b>2020</b> , 74, 2662-2680	3.8	14
53	Postcranial Skeleton of Henkelotherium guimarotae (Cladotheria, Mammalia) and Locomotor Adaptation. <i>Journal of Mammalian Evolution</i> , <b>2020</b> , 27, 349-372	2.2	4
52	Morphology of the petrosal and stapes of Borealestes (Mammaliaformes, Docodonta) from the Middle Jurassic of Skye, Scotland. <i>Papers in Palaeontology</i> , <b>2019</b> , 5, 139-156	2.5	12
51	New Jurassic mammaliaform sheds light on early evolution of mammal-like hyoid bones. <i>Science</i> , <b>2019</b> , 365, 276-279	33.3	20
50	The mandible and dentition of Borealestes serendipitus (Docodonta) from the Middle Jurassic of Skye, Scotland. <i>Journal of Vertebrate Paleontology</i> , <b>2019</b> , 39, e1621884	1.7	7
49	Re-examination of the Jurassic Mammaliaform Docodon victor by Computed Tomography and Occlusal Functional Analysis. <i>Journal of Mammalian Evolution</i> , <b>2019</b> , 26, 9-38	2.2	14
48	The role of miniaturization in the evolution of the mammalian jaw and middle ear. <i>Nature</i> , <b>2018</b> , 561, 533-537	50.4	35
47	Late-surviving stem mammal links the lowermost Cretaceous of North America and Gondwana. <i>Nature</i> , <b>2018</b> , 558, 108-112	50.4	47
46	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> , <b>2017</b> , 284,	4.4	33
45	The postcranial skeleton of Yanocodon allini from the Early Cretaceous of Hebei, China, and its implications for locomotor adaptation in eutriconodontan mammals. <i>Journal of Vertebrate Paleontology</i> , <b>2017</b> , 37, e1315425	1.7	8
44	Meckel's cartilage breakdown offers clues to mammalian middle ear evolution. <i>Nature Ecology and Evolution</i> , <b>2017</b> , 1, 93	12.3	30
43	New gliding mammaliaforms from the Jurassic. <i>Nature</i> , <b>2017</b> , 548, 291-296	50.4	52

42	New evidence for mammaliaform ear evolution and feeding adaptation in a Jurassic ecosystem. <i>Nature</i> , <b>2017</b> , 548, 326-329	50.4	63
41	Inner ear labyrinth anatomy of monotremes and implications for mammalian inner ear evolution. <i>Journal of Morphology</i> , <b>2017</b> , 278, 236-263	1.6	25
40	Morphological evolution of the mammalian jaw adductor complex. <i>Biological Reviews</i> , <b>2017</b> , 92, 1910-1940	49.5	32
39	Micro-computed tomography in murine models of cerebral cavernous malformations as a paradigm for brain disease. <i>Journal of Neuroscience Methods</i> , <b>2016</b> , 271, 14-24	3	21
38	Evolution of the Middle and Inner Ears of Mammaliaforms: The Approach to Mammals. <i>Springer Handbook of Auditory Research</i> , <b>2016</b> , 139-174	1.2	22
37	A Cretaceous eutriconodont and integument evolution in early mammals. <i>Nature</i> , <b>2015</b> , 526, 380-4	50.4	49
36	Mammalian Petrosal from the Upper Jurassic Morrison Formation of Fruita, Colorado. <i>Annals of Carnegie Museum</i> , <b>2015</b> , 83, 1-17	1.4	9
35	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> , <b>2015</b> , 112, E7101-9	11.5	87
34	Mammalian evolution. Evolutionary development in basal mammaliaforms as revealed by a docodontan. <i>Science</i> , <b>2015</b> , 347, 760-4	33.3	57
33	Mammalian evolution. An arboreal docodont from the Jurassic and mammaliaform ecological diversification. <i>Science</i> , <b>2015</b> , 347, 764-8	33.3	86
32	Evolution: Tooth structure re-engineered. <i>Nature</i> , <b>2014</b> , 512, 36-7	50.4	5
31	A Jurassic mammaliaform and the earliest mammalian evolutionary adaptations. <i>Nature</i> , <b>2013</b> , 500, 163-7	50.4	114
30	Earliest evolution of multituberculate mammals revealed by a new Jurassic fossil. <i>Science</i> , <b>2013</b> , 341, 779-83	33.3	74
29	The placental mammal ancestor and the post-K-Pg radiation of placentals. <i>Science</i> , <b>2013</b> , 339, 662-7	33.3	806
28	Reinvestigation of the basicranium of <i>Haldanodon exspectatus</i> (Mammaliaformes, Docodonta). <i>Journal of Vertebrate Paleontology</i> , <b>2013</b> , 33, 382-400	1.7	40
27	Postcranial Skeleton of the Cretaceous Mammal <i>Akidolestes cifellii</i> and Its Locomotor Adaptations. <i>Journal of Mammalian Evolution</i> , <b>2013</b> , 20, 159-189	2.2	27
26	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> , <b>2012</b> , 166, 433-463	2.4	39
25	A Jurassic eutherian mammal and divergence of marsupials and placentals. <i>Nature</i> , <b>2011</b> , 476, 442-5	50.4	377

24	Developmental Patterns in Mesozoic Evolution of Mammal Ears. <i>Annual Review of Ecology, Evolution, and Systematics</i> , <b>2011</b> , 42, 355-380	13.5	91
23	Fossil evidence on origin of the mammalian brain. <i>Science</i> , <b>2011</b> , 332, 955-7	33.3	241
22	Fossil evidence on evolution of inner ear cochlea in Jurassic mammals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2011</b> , 278, 28-34	4.4	79
21	Journal club. A palaeontologist ponders how genes and fossils can illuminate mammalian evolution. <i>Nature</i> , <b>2010</b> , 465, 669	50.4	
20	Recent advances in Chinese palaeontology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2010</b> , 277, 161-4	4.4	0
19	Petrosal anatomy and inner ear structures of the Late Jurassic Henkelotherium (Mammalia, Cladotheria, Dryolestoida): insight into the early evolution of the ear region in cladotherian mammals. <i>Journal of Anatomy</i> , <b>2009</b> , 214, 679-93	2.9	64
18	Evolutionary development of the middle ear in Mesozoic therian mammals. <i>Science</i> , <b>2009</b> , 326, 278-81	33.3	79
17	A new eutriconodont mammal and evolutionary development in early mammals. <i>Nature</i> , <b>2007</b> , 446, 288-93	33.4	138
16	Convergent dental adaptations in pseudo-tribosphenic and tribosphenic mammals. <i>Nature</i> , <b>2007</b> , 450, 93-7	50.4	92
15	Transformation and diversification in early mammal evolution. <i>Nature</i> , <b>2007</b> , 450, 1011-9	50.4	378
14	Analysis of Molar Structure and Phylogeny of Docodont Genera. <i>Bulletin of Carnegie Museum of Natural History</i> , <b>2007</b> , 39, 27-47		25
13	A swimming mammaliaform from the Middle Jurassic and ecomorphological diversification of early mammals. <i>Science</i> , <b>2006</b> , 311, 1123-7	33.3	214
12	A Cretaceous symmetrodont therian with some monotreme-like postcranial features. <i>Nature</i> , <b>2006</b> , 439, 195-200	50.4	77
11	A Late Jurassic digging mammal and early mammalian diversification. <i>Science</i> , <b>2005</b> , 308, 103-7	33.3	152
10	New Study on Dental and Skeletal Features of the Cretaceous Symmetrodontan Mammal Zhangheotherium. <i>Journal of Mammalian Evolution</i> , <b>2005</b> , 12, 337-357	2.2	39
9	Paleontology. Homoplasy in the mammalian ear. <i>Science</i> , <b>2005</b> , 307, 861-2	33.3	1
8	EVOLUTION OF DENTAL REPLACEMENT IN MAMMALS. <i>Bulletin of Carnegie Museum of Natural History</i> , <b>2004</b> , 36, 159-175		76
7	The earliest known member of the narwhal whale clade (Mammalia, Cetacea). <i>Journal of Vertebrate Paleontology</i> , <b>2004</b> , 24, 453-463	1.7	21

6	Mammals from the Age of Dinosaurs <b>2004</b> ,		491
5	The earliest-known duck-billed dinosaur from deposits of late Early Cretaceous age in northwest China and hadrosaur evolution. <i>Cretaceous Research</i> , <b>2003</b> , 24, 347-355	1.8	64
4	An Early Cretaceous tribosphenic mammal and metatherian evolution. <i>Science</i> , <b>2003</b> , 302, 1934-40	33.3	294
3	The earliest known eutherian mammal. <i>Nature</i> , <b>2002</b> , 416, 816-22	50.4	358
2	Dual origin of tribosphenic mammals. <i>Nature</i> , <b>2001</b> , 409, 53-7	50.4	201
1	Postcrania of Borealestes (Mammaliformes, Docodonta) and the emergence of ecomorphological diversity in early mammals. <i>Palaeontology</i> ,	2.9	2