

Zhiheng Li

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,032
citations

471061

17
h-index

454577

30
g-index

38
all docs

38
docs citations

38
times ranked

1102
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel evolution of a hyper-elongated tongue in a Cretaceous enantiornithine from China and the evolution of the hyolingual apparatus and feeding in birds. <i>Journal of Anatomy</i> , 2022, 240, 627-638.	0.9	4
2	Early evolution of diurnal habits in owls (Aves, Strigiformes) documented by a new and exquisitely preserved Miocene owl fossil from China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2119217119.	3.3	8
3	Unambiguous evidence of brilliant iridescent feather color from hollow melanosomes in an Early Cretaceous bird. <i>National Science Review</i> , 2022, 9, nwab227.	4.6	2
4	DiceCT applied to fossilized hard tissues: A preliminary case study using a miocene bird. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2021, 336, 364-375.	0.6	2
5	Osteohistology of the Scapulocoracoid of Confuciusornis and Preliminary Analysis of the Shoulder Joint in Aves. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	6
6	Cretaceous bird with dinosaur skull sheds light on avian cranial evolution. <i>Nature Communications</i> , 2021, 12, 3890.	5.8	12
7	Nuclear preservation in the cartilage of the Jehol dinosaur <i>Caudipteryx</i> . <i>Communications Biology</i> , 2021, 4, 1125.	2.0	4
8	Evolution and distribution of medullary bone: evidence from a new Early Cretaceous enantiornithine bird. <i>National Science Review</i> , 2020, 7, 1068-1078.	4.6	23
9	A new species of Eogruidae (Aves: Gruiformes) from the Miocene of the Linxia Basin, Gansu, China: Evolutionary and climatic implications. <i>Auk</i> , 2020, 137, .	0.7	6
10	Confirmation of ovarian follicles in an enantiornithine (Aves) from the Jehol biota using soft tissue analyses. <i>Communications Biology</i> , 2020, 3, 399.	2.0	10
11	Two new Early Cretaceous ornithuromorph birds provide insights into the taxonomy and divergence of Yanornithidae (Aves: Ornithothoraces). <i>Journal of Systematic Palaeontology</i> , 2020, 18, 1805-1827.	0.6	9
12	Ultramicrostructural reductions in teeth: implications for dietary transition from non-avian dinosaurs to birds. <i>BMC Evolutionary Biology</i> , 2020, 20, 46.	3.2	15
13	Evidence of Late Miocene Peri-Tibetan Aridification From the Oldest Asian Species of Sandgrouse (Aves: Tj ETQq1 1 0.784314 rgBT /C 1.1 6	1.1	6
14	The first pterosaur basihyal, shedding light on the evolution and function of pterosaur hyoid apparatuses. <i>PeerJ</i> , 2020, 8, e8292.	0.9	5
15	Evolution of the vomer and its implications for cranial kinesis in Paraves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19571-19578.	3.3	31
16	The molecular evolution of feathers with direct evidence from fossils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3018-3023.	3.3	45
17	An Early Cretaceous enantiornithine (Aves) preserving an unlaidd egg and probable medullary bone. <i>Nature Communications</i> , 2019, 10, 1275.	5.8	28
18	Origin of the avian predeantary and evidence of a unique form of cranial kinesis in Cretaceous ornithuromorphs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24696-24706.	3.3	14

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19	Identity and novelty in the avian syrinx. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10209-10217.	3.3	38
20	Vocal specialization through tracheal elongation in an extinct Miocene pheasant from China. Scientific Reports, 2018, 8, 8099.	1.6	8
21	Convergent evolution of a mobile bony tongue in flighted dinosaurs and pterosaurs. PLoS ONE, 2018, 13, e0198078.	1.1	18
22	Cellular preservation of musculoskeletal specializations in the Cretaceous bird Confuciusornis. Nature Communications, 2017, 8, 14779.	5.8	18
23	Insight into the growth pattern and bone fusion of basal birds from an Early Cretaceous enantiornithine bird. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11470-11475.	3.3	27
24	Correlated evolution of sternal keel length and ilium length in birds. PeerJ, 2017, 5, e3622.	0.9	5
25	Fossil evidence of the avian vocal organ from the Mesozoic. Nature, 2016, 538, 502-505.	13.7	65
26	Diffusible iodine-based contrast-enhanced computed tomography (diceCT): an emerging tool for rapid, high-resolution, 3D imaging of metazoan soft tissues. Journal of Anatomy, 2016, 228, 889-909.	0.9	362
27	Comparison and Evaluation of the Effectiveness of Two Approaches of Diffusible Iodine-Based Contrast-Enhanced Computed Tomography (diceCT) for Avian Cephalic Material. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2016, 326, 352-362.	0.6	20
28	A new Old World vulture from the late Miocene of China sheds light on Neogene shifts in the past diversity and distribution of the Gypaetinae. Auk, 2016, 133, 615-625.	0.7	8
29	The Craniolingual Morphology of Waterfowl (Aves, Anseriformes) and Its Relationship with Feeding Mode Revealed Through Contrast-Enhanced X-Ray Computed Tomography and 2D Morphometrics. Evolutionary Biology, 2016, 43, 12-25.	0.5	23
30	A new small enantiornithine bird from the Jehol Biota, with implications for early evolution of avian skull morphology. Journal of Systematic Palaeontology, 2016, 14, 481-497.	0.6	21
31	An investigation of the efficacy and mechanism of contrast-enhanced X-ray Computed Tomography utilizing iodine for large specimens through experimental and simulation approaches. BMC Physiology, 2015, 15, 5.	3.6	31
32	New insight into the anatomy of the hyolingual apparatus of <i>Alligator mississippiensis</i> and implications for reconstructing feeding in extinct archosaurs. Journal of Anatomy, 2015, 227, 45-61.	0.9	16
33	Functional morphology of the <i>Alligator mississippiensis</i> larynx with implications for vocal production. Journal of Experimental Biology, 2015, 218, 991-998.	0.8	33
34	A new specimen of large-bodied basal Enantiornithine <i>Bohaiornis</i> from the Early Cretaceous of China and the inference of feeding ecology in Mesozoic birds. Journal of Paleontology, 2014, 88, 99-108.	0.5	39
35	A falconid from the Late Miocene of northwestern China yields further evidence of transition in Late Neogene steppe communities. Auk, 2014, 131, 335-350.	0.7	32
36	On the horizon of Protopteryx and the early vertebrate fossil assemblages of the Jehol Biota. Science Bulletin, 2008, 53, 2820-2827.	4.3	37