

# Zhiheng Li

## List of Publications by Year in descending order

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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	Diffusible iodine-based contrast-enhanced computed tomography (diceCT): an emerging tool for rapid, high-resolution, 3D imaging of metazoan soft tissues. <i>Journal of Anatomy</i> , 2016, 228, 889-909.	0.9	362
2	Fossil evidence of the avian vocal organ from the Mesozoic. <i>Nature</i> , 2016, 538, 502-505.	13.7	65
3	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
4	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. <i>Journal of Paleontology</i> , 2014, 88, 99-108.	0.5	39
5	Identity and novelty in the avian syrinx. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10209-10217.	3.3	38
6	On the horizon of Protopteryx and the early vertebrate fossil assemblages of the Jehol Biota. <i>Science Bulletin</i> , 2008, 53, 2820-2827.	4.3	37
7	Functional morphology of the <i>Alligator mississippiensis</i> larynx with implications for vocal production. <i>Journal of Experimental Biology</i> , 2015, 218, 991-998.	0.8	33
8	A falconid from the Late Miocene of northwestern China yields further evidence of transition in Late Neogene steppe communities. <i>Auk</i> , 2014, 131, 335-350.	0.7	32
9	An investigation of the efficacy and mechanism of contrast-enhanced X-ray Computed Tomography utilizing iodine for large specimens through experimental and simulation approaches. <i>BMC Physiology</i> , 2015, 15, 5.	3.6	31
10	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
11	An Early Cretaceous enantiornithine (Aves) preserving an unlaidd egg and probable medullary bone. <i>Nature Communications</i> , 2019, 10, 1275.	5.8	28
12	Insight into the growth pattern and bone fusion of basal birds from an Early Cretaceous enantiornithine bird. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11470-11475.	3.3	27
13	The Craniolingual Morphology of Waterfowl (Aves, Anseriformes) and Its Relationship with Feeding Mode Revealed Through Contrast-Enhanced X-Ray Computed Tomography and 2D Morphometrics. <i>Evolutionary Biology</i> , 2016, 43, 12-25.	0.5	23
14	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
15	A new small enantiornithine bird from the Jehol Biota, with implications for early evolution of avian skull morphology. <i>Journal of Systematic Palaeontology</i> , 2016, 14, 481-497.	0.6	21
16	Comparison and Evaluation of the Effectiveness of Two Approaches of Diffusible Iodine-Based Contrast-Enhanced Computed Tomography (diceCT) for Avian Cephalic Material. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2016, 326, 352-362.	0.6	20
17	Cellular preservation of musculoskeletal specializations in the Cretaceous bird <i>Confuciusornis</i> . <i>Nature Communications</i> , 2017, 8, 14779.	5.8	18
18	Convergent evolution of a mobile bony tongue in flighted dinosaurs and pterosaurs. <i>PLoS ONE</i> , 2018, 13, e0198078.	1.1	18

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19	New insight into the anatomy of the hyolingual apparatus of <i>Alligator mississippiensis</i> and implications for reconstructing feeding in extinct archosaurs. <i>Journal of Anatomy</i> , 2015, 227, 45-61.	0.9	16
20	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
21	Origin of the avian predatory 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
22	Cretaceous bird with dinosaur skull sheds light on avian cranial evolution. <i>Nature Communications</i> , 2021, 12, 3890.	5.8	12
23	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
24	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
25	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. <i>Auk</i> , 2016, 133, 615-625.	0.7	8
26	Vocal specialization through tracheal elongation in an extinct Miocene pheasant from China. <i>Scientific Reports</i> , 2018, 8, 8099.	1.6	8
27	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
28	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
29	Evidence of Late Miocene Peri-Tibetan Aridification From the Oldest Asian Species of Sandgrouse (Aves: Tj ETQq1 1,1 0.784314 rgBT /Ove	1.1	6
30	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
31	Correlated evolution of sternal keel length and ilium length in birds. <i>PeerJ</i> , 2017, 5, e3622.	0.9	5
32	The first pterosaur basihyal, shedding light on the evolution and function of pterosaur hyoid apparatuses. <i>PeerJ</i> , 2020, 8, e8292.	0.9	5
33	Nuclear preservation in the cartilage of the Jehol dinosaur Caudipteryx. <i>Communications Biology</i> , 2021, 4, 1125.	2.0	4
34	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
35	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
36	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