

Zhen Liu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

640
citations

840119

11
h-index

713013

21
g-index

22
all docs

22
docs citations

22
times ranked

805
citing authors

#	ARTICLE	IF	CITATIONS
1	The hearing gene Prestin unites echolocating bats and whales. <i>Current Biology</i> , 2010, 20, R55-R56.	1.8	178
2	Parallel Sites Implicate Functional Convergence of the Hearing Gene Prestin among Echolocating Mammals. <i>Molecular Biology and Evolution</i> , 2014, 31, 2415-2424.	3.5	77
3	Lipidome determinants of maximal lifespan in mammals. <i>Scientific Reports</i> , 2017, 7, 5.	1.6	60
4	Human C-to-U Coding RNA Editing Is Largely Nonadaptive. <i>Molecular Biology and Evolution</i> , 2018, 35, 963-969.	3.5	56
5	Systematic analyses reveal uniqueness and origin of the CFEM domain in fungi. <i>Scientific Reports</i> , 2015, 5, 13032.	1.6	46
6	Most m6A RNA Modifications in Protein-Coding Regions Are Evolutionarily Unconserved and Likely Nonfunctional. <i>Molecular Biology and Evolution</i> , 2018, 35, 666-675.	3.5	43
7	Parallel Evolution of KCNQ4 in Echolocating Bats. <i>PLoS ONE</i> , 2011, 6, e26618.	1.1	39
8	Echolocation in soft-furred tree mice. <i>Science</i> , 2021, 372, .	6.0	28
9	Hearing Aid for Vertebrates via Multiple Episodic Adaptive Events on Prestin Genes. <i>Molecular Biology and Evolution</i> , 2012, 29, 2187-2198.	3.5	22
10	Genomic and functional evidence reveals molecular insights into the origin of echolocation in whales. <i>Science Advances</i> , 2018, 4, eaat8821.	4.7	22
11	Synchronization of stochastic expressions drives the clustering of functionally related genes. <i>Science Advances</i> , 2019, 5, eaax6525.	4.7	18
12	A single mutation underlying phenotypic convergence for hypoxia adaptation on the Qinghai-Tibetan Plateau. <i>Cell Research</i> , 2021, 31, 1032-1035.	5.7	11
13	Functional Effects of a Retained Ancestral Polymorphism in <i>Prestin</i> . <i>Molecular Biology and Evolution</i> , 2017, 34, 88-92.	3.5	10
14	Phylogenomic relationships and molecular convergences to subterranean life in rodent family Spalacidae. <i>Zoological Research</i> , 2021, 42, 671-674.	0.9	10
15	First Draft Genome of the Sable, <i>Martes zibellina</i> . <i>Genome Biology and Evolution</i> , 2020, 12, 59-65.	1.1	5
16	Molecular convergence and transgenic evidence suggest a single origin of laryngeal echolocation in bats. <i>iScience</i> , 2022, 25, 104114.	1.9	4
17	Cochlear hair cells of echolocating bats are immune to intense noise. <i>Journal of Genetics and Genomics</i> , 2021, 48, 984-993.	1.7	3
18	Integrative Functional Transcriptomic Analyses Implicate Shared Molecular Circuits in Sensorineural Hearing Loss. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 857344.	1.8	3

#	ARTICLE	IF	CITATIONS
19	Codon 104 of p53 is not an adaptively selected site for extreme environments in mammals of the Tibet plateau. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2357-E2357.	3.3	2
20	The Toggle Switch Model for Gene Expression Change during the Prenatal-to-Postnatal Transition in Mammals. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	2