

Guang Yang

List of Publications by Year in descending order

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72
papers

1,625
citations

304602

22
h-index

330025

37
g-index

75
all docs

75
docs citations

75
times ranked

1844
citing authors

#	ARTICLE	IF	CITATIONS
1	Whole-genome sequencing of the snub-nosed monkey provides insights into folivory and evolutionary history. <i>Nature Genetics</i> , 2014, 46, 1303-1310.	9.4	174
2	A supermatrix analysis of genomic, morphological, and paleontological data from crown Cetacea. <i>BMC Evolutionary Biology</i> , 2011, 11, 112.	3.2	171
3	Seven new dolphin mitochondrial genomes and a time-calibrated phylogeny of whales. <i>BMC Evolutionary Biology</i> , 2009, 9, 20.	3.2	106
4	Phylogenomic analyses and improved resolution of Cetartiodactyla. <i>Molecular Phylogenetics and Evolution</i> , 2011, 61, 255-264.	1.2	84
5	Population genomics of finless porpoises reveal an incipient cetacean species adapted to freshwater. <i>Nature Communications</i> , 2018, 9, 1276.	5.8	80
6	Evolutionary Genetics of Hypoxia Tolerance in Cetaceans during Diving. <i>Genome Biology and Evolution</i> , 2016, 8, 827-839.	1.1	64
7	Distribution and conservation of the Indo-Pacific humpback dolphin in China. <i>Integrative Zoology</i> , 2009, 4, 240-247.	1.3	50
8	The loss of taste genes in cetaceans. <i>BMC Evolutionary Biology</i> , 2014, 14, 218.	3.2	43
9	The world's second largest population of humpback dolphins in the waters of Zhanjiang deserves the highest conservation priority. <i>Scientific Reports</i> , 2015, 5, 8147.	1.6	40
10	Evolution of Digestive Enzymes and RNASE1 Provides Insights into Dietary Switch of Cetaceans. <i>Molecular Biology and Evolution</i> , 2016, 33, 3144-3157.	3.5	40
11	Obesity™ is healthy for cetaceans? Evidence from pervasive positive selection in genes related to triacylglycerol metabolism. <i>Scientific Reports</i> , 2015, 5, 14187.	1.6	38
12	Legacy and Emerging Poly- and Perfluoroalkyl Substances in Finless Porpoises from East China Sea: Temporal Trends and Tissue-Specific Accumulation. <i>Environmental Science & Technology</i> , 2022, 56, 6113-6122.	4.6	37
13	Adaptive Evolution of Energy Metabolism-Related Genes in Hypoxia-Tolerant Mammals. <i>Frontiers in Genetics</i> , 2017, 8, 205.	1.1	34
14	Adaptive Evolution of Mitochondrial Energy Metabolism Genes Associated with Increased Energy Demand in Flying Insects. <i>PLoS ONE</i> , 2014, 9, e99120.	1.1	34
15	Conservation Status of the Indo-Pacific Humpback Dolphin (<i>Sousa chinensis</i>) in the Northern Beibu Gulf, China. <i>Advances in Marine Biology</i> , 2016, 73, 119-139.	0.7	32
16	Determination of the effect of <i>Pinellia ternata</i> (Thunb.) Breit. on nervous system development by proteomics. <i>Journal of Ethnopharmacology</i> , 2018, 213, 221-229.	2.0	31
17	Widespread positive selection on cetacean TLR extracellular domain. <i>Molecular Immunology</i> , 2019, 106, 135-142.	1.0	31
18	Genomic organization and adaptive evolution of IGHC genes in marine mammals. <i>Molecular Immunology</i> , 2018, 99, 75-81.	1.0	29

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19	Positive selection at the ASPM gene coincides with brain size enlargements in cetaceans. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 4433-4440.	1.2	28
20	Whale phylogeny and rapid radiation events revealed using novel retroposed elements and their flanking sequences. <i>BMC Evolutionary Biology</i> , 2011, 11, 314.	3.2	24
21	Conservation Options for the Baiji: Time for Realism?. <i>Conservation Biology</i> , 2006, 20, 620-622.	2.4	23
22	Site fidelity and association patterns of Indo-Pacific humpback dolphins off the east coast of Zhanjiang, China. <i>Acta Theriologica</i> , 2012, 57, 99-109.	1.1	23
23	Molecular Footprints of Aquatic Adaptation Including Bone Mass Changes in Cetaceans. <i>Genome Biology and Evolution</i> , 2018, 10, 967-975.	1.1	23
24	Divergent Selection of Pattern Recognition Receptors in Mammals with Different Ecological Characteristics. <i>Journal of Molecular Evolution</i> , 2018, 86, 138-149.	0.8	22
25	Evolutionary impacts of purine metabolism genes on mammalian oxidative stress adaptation. <i>Zoological Research</i> , 2022, 43, 241-254.	0.9	21
26	Oxidative stress drives divergent evolution of the glutathione peroxidase (GPX) gene family in mammals. <i>Integrative Zoology</i> , 2021, 16, 696-711.	1.3	20
27	Comparative genomics analyses of alpha-keratins reveal insights into evolutionary adaptation of marine mammals. <i>Frontiers in Zoology</i> , 2017, 14, 41.	0.9	18
28	Microsatellite variation and significant population genetic structure of endangered finless porpoises (<i>Neophocaena phocaenoides</i>) in Chinese coastal waters and the Yangtze River. <i>Marine Biology</i> , 2010, 157, 1453-1462.	0.7	17
29	<i>ACPT</i> gene is inactivated in mammalian lineages that lack enamel or teeth. <i>PeerJ</i> , 2021, 9, e10219.	0.9	16
30	The Exonization and Functionalization of an Alu-J Element in the Protein Coding Region of Glycoprotein Hormone Alpha Gene Represent a Novel Mechanism to the Evolution of Hemochorial Placentation in Primates. <i>Molecular Biology and Evolution</i> , 2017, 34, 3216-3231.	3.5	15
31	Survival rate and population size of Indo-Pacific humpback dolphins (<i>Sousa chinensis</i>) in Xiamen Bay, China. <i>Marine Mammal Science</i> , 2018, 34, 1018-1033.	0.9	13
32	Contraction of the ROS Scavenging Enzyme Glutathione S-Transferase Gene Family in Cetaceans. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2303-2315.	0.8	13
33	SNP discovery based on CATS and genotyping in the finless porpoise (<i>Neophocaena phocaenoides</i>). <i>Conservation Genetics</i> , 2009, 10, 2013-2019.	0.8	12
34	Genetic variation at mtDNA and microsatellite loci in Chinese longsnout catfish (<i>Leiocassis tjingensis</i>). <i>Journal of Heredity</i> , 2010, 101, 142-147.	1.0	12
35	Comparative phylogeography of two marine species of crustacean: Recent divergence and expansion due to environmental changes. <i>Gene</i> , 2014, 550, 141-147.	1.0	12
36	Molecular evolution of globin genes in Gymnotiform electric fishes: relation to hypoxia tolerance. <i>BMC Evolutionary Biology</i> , 2017, 17, 51.	3.2	12

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37	Genetic basis of brain size evolution in cetaceans: insights from adaptive evolution of seven primary microcephaly (MCPH) genes. <i>BMC Evolutionary Biology</i> , 2017, 17, 206.	3.2	12
38	A chromosome-level genome of <i>Antechinus flavipes</i> provides a reference for an Australian marsupial genus with male death after mating. <i>Molecular Ecology Resources</i> , 2022, 22, 740-754.	2.2	12
39	Development of tetranucleotide microsatellite loci for the finless porpoise (<i>Neophocaena</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.8	11
40	A set of polymorphic dinucleotide and tetranucleotide microsatellite markers for the Indo-Pacific humpback dolphin (<i>Sousa chinensis</i>) and cross-amplification in other cetacean species. <i>Conservation Genetics</i> , 2009, 10, 697-700.	0.8	11
41	Comparative analyses of aging-related genes in long-lived mammals provide insights into natural longevity. <i>Innovation(China)</i> , 2021, 2, 100108.	5.2	11
42	Trace element concentrations, risks and their correlation with metallothionein genes polymorphism: A case study of narrow-ridged finless porpoises (<i>Neophocaena asiaeorientalis</i>) in the East China Sea. <i>Science of the Total Environment</i> , 2017, 575, 628-638.	3.9	10
43	Insights into body size variation in cetaceans from the evolution of body-size-related genes. <i>BMC Evolutionary Biology</i> , 2019, 19, 157.	3.2	10
44	Gene Duplication and Loss of <i>AANAT</i> in Mammals Driven by Rhythmic Adaptations. <i>Molecular Biology and Evolution</i> , 2021, 38, 3925-3937.	3.5	10
45	Genomic insights into body size evolution in Carnivora support Peto's paradox. <i>BMC Genomics</i> , 2021, 22, 429.	1.2	9
46	Molecular Evolution of Tooth-Related Genes Provides New Insights into Dietary Adaptations of Mammals. <i>Journal of Molecular Evolution</i> , 2021, 89, 458-471.	0.8	8
47	Finless porpoises (<i>Neophocaena asiaeorientalis</i>) in the East China Sea: insights into feeding habits using morphological, molecular, and stable isotopic techniques. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2017, 74, 1628-1645.	0.7	7
48	Distinct evolution of toll-like receptor signaling pathway genes in cetaceans. <i>Genes and Genomics</i> , 2019, 41, 1417-1430.	0.5	6
49	Genomic Organization and Phylogeny of MHC Class II Loci in Cetaceans. <i>Journal of Heredity</i> , 2019, 110, 332-339.	1.0	6
50	Extensive Interspecific Gene Flow Shaped Complex Evolutionary History and Underestimated Species Diversity in Rapidly Radiated Dolphins. <i>Journal of Mammalian Evolution</i> , 2022, 29, 353-367.	1.0	6
51	Isolation and characterization of microsatellite loci in the longsnout catfish (<i>Leiocassis</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.9	5
52	Accelerated evolution and diversifying selection drove the adaptation of cetacean bone microstructure. <i>BMC Evolutionary Biology</i> , 2019, 19, 194.	3.2	5
53	Evolutionary changes of <i>Hox</i> genes and relevant regulatory factors provide novel insights into mammalian morphological modifications. <i>Integrative Zoology</i> , 2018, 13, 21-35.	1.3	4
54	Insights into Dietary Switch in Cetaceans: Evidence from Molecular Evolution of Proteinases and Lipases. <i>Journal of Molecular Evolution</i> , 2020, 88, 521-535.	0.8	4

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55	Rapid evolution and molecular convergence in cryptorchidism-related genes associated with inherently undescended testes in mammals. <i>Bmc Ecology and Evolution</i> , 2021, 21, 22.	0.7	4
56	Seasonal, Lunar and Tidal Influences on Habitat Use of Indo-Pacific Humpback Dolphins in Beibu Gulf, China. <i>Zoological Studies</i> , 2018, 57, e1.	0.3	4
57	Decay of <i>TRPV3</i> as the genomic trace of epidermal structure changes in the land-to-sea transition of mammals. <i>Ecology and Evolution</i> , 2022, 12, e8731.	0.8	4
58	Divergent Evolution of TRC Genes in Mammalian Niche Adaptation. <i>Frontiers in Immunology</i> , 2019, 10, 871.	2.2	3
59	A Chromosome-Level Genome of the Agile Gracile Mouse Opossum (<i>Gracilinanus agilis</i>). <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	3
60	Evidence of Echolocation in the Common Shrew from Molecular Convergence with Other Echolocating Mammals. <i>Zoological Studies</i> , 2020, 59, e4.	0.3	3
61	Novel CHR-2 SINE subfamilies and t-SINEs identified in cetaceans using nonradioactive Southern blotting. <i>Genes and Genomics</i> , 2010, 32, 345-352.	0.5	2
62	Comparative analysis of the superoxide dismutase gene family in Cetartiodactyla. <i>Journal of Evolutionary Biology</i> , 2021, 34, 1046-1060.	0.8	2
63	Over-expression of the bottlenose dolphin <i>Hoxd13</i> gene in zebrafish provides new insights into the cetacean flipper formation. <i>Genomics</i> , 2021, 113, 2925-2933.	1.3	2
64	Comparative genomics reveals molecular mechanisms underlying health and reproduction in cryptorchid mammals. <i>BMC Genomics</i> , 2021, 22, 763.	1.2	2
65	Identification and characterization of twenty-seven short interspersed elements from three cetaceans. <i>Journal of Genetics</i> , 2015, 94, 56-61.	0.4	1
66	Enhanced Negative Regulation of the DHH Signaling Pathway as a Potential Mechanism of Ascrotal Testes in Laurasiatherians. <i>Evolutionary Biology</i> , 2021, 48, 335-345.	0.5	1
67	Molecular evolution of spermatogenesis-related genes in abdominal testicular mammals supports the cooling hypothesis. <i>Journal of Genetics and Genomics</i> , 2021, 48, 1139-1139.	1.7	1
68	Regression of corpus luteum in cetaceans: A systematic review. <i>Zoology</i> , 2021, 149, 125960.	0.6	1
69	Divergence of <i>Tbx4</i> hindlimb enhancer HLEA underlies the hindlimb loss during cetacean evolution. <i>Genomics</i> , 2022, 114, 110292.	1.3	1
70	CATS derived SNPs discovery in the golden snub-nosed monkey (<i>Rhinopithecus roxellanae</i>). <i>Conservation Genetics Resources</i> , 2014, 6, 1-3.	0.4	0
71	Development of twenty microsatellite loci from the Tibetan ground tit (<i>Parus humilis</i>). <i>Journal of Genetics</i> , 2016, 93, 68-72.	0.4	0
72	Genomewide analysis of sperm whale E2 ubiquitin conjugating enzyme genes. <i>Journal of Genetics</i> , 2021, 100, 1.	0.4	0