

Yi-Quan Wang

List of Publications by Year in descending order

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50
papers

886
citations

623734

14
h-index

526287

27
g-index

54
all docs

54
docs citations

54
times ranked

802
citing authors

#	ARTICLE	IF	CITATIONS
1	Decelerated genome evolution in modern vertebrates revealed by analysis of multiple lancelet genomes. <i>Nature Communications</i> , 2014, 5, 5896.	12.8	136
2	<i>Branchiostoma japonicum</i> and <i>B. belcheri</i> are Distinct Lancelets (Cephalochordata) in Xiamen Waters in China. <i>Zoological Science</i> , 2006, 23, 573-579.	0.7	63
3	The mitochondrial genome organization of the rice frog, <i>Fejervarya limnocharis</i> (Amphibia: Anura): a new gene order in the vertebrate mtDNA. <i>Gene</i> , 2005, 346, 145-151.	2.2	55
4	<i>Cerberus</i> ’s Nodal’ Lefty’ Pitx signaling cascade controls left-right asymmetry in amphioxus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3684-3689.	7.1	51
5	Continuous culture of two lancelets and production of the second filial generations in the laboratory. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2007, 308B, 464-472.	1.3	44
6	Consecutive spawnings of Chinese <i>Amphioxus</i> , <i>Branchiostoma belcheri</i> , in captivity. <i>PLoS ONE</i> , 2012, 7, e50838.	2.5	35
7	Year-round reproduction and induced spawning of Chinese <i>Amphioxus</i> , <i>Branchiostoma belcheri</i> , in laboratory. <i>PLoS ONE</i> , 2013, 8, e75461.	2.5	33
8	An efficient microinjection method for unfertilized eggs of Asian amphioxus <i>Branchiostoma belcheri</i> . <i>Development Genes and Evolution</i> , 2013, 223, 269-278.	0.9	31
9	Mutagenesis at specific genomic loci of <i>Amphioxus</i> <i>Branchiostoma belcheri</i> using TALEN method. <i>Journal of Genetics and Genomics</i> , 2014, 41, 215-219.	3.9	31
10	Morphological and 12S rRNA gene comparison of two <i>Branchiostoma</i> species in Xiamen waters. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2005, 304B, 259-267.	1.3	27
11	Evolutionary history of the extant amphioxus lineage with shallow-branching diversification. <i>Scientific Reports</i> , 2017, 7, 1157.	3.3	27
12	Genetic variation in captive population of Chinese alligator, <i>Alligator sinensis</i> , revealed by random amplified polymorphic DNA (RAPD). <i>Biological Conservation</i> , 2002, 106, 435-441.	4.1	23
13	Characterization of microRNAs in cephalochordates reveals a correlation between microRNA repertoire homology and morphological similarity in chordate evolution. <i>Evolution & Development</i> , 2009, 11, 41-49.	2.0	23
14	Cilia-driven asymmetric Hedgehog signalling determines the amphioxus left-right axis by controlling <i>Cerberus/Dand5</i> expression. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	19
15	Comparative genomic analysis reveals the evolutionary conservation of Pax gene family. <i>Genes and Genetic Systems</i> , 2010, 85, 193-206.	0.7	18
16	Step-wise evolution of neural patterning by Hedgehog signalling in chordates. <i>Nature Ecology and Evolution</i> , 2020, 4, 1247-1255.	7.8	18
17	Characterization and embryonic expression of four amphioxus Frizzled genes with important functions during early embryogenesis. <i>Gene Expression Patterns</i> , 2013, 13, 445-453.	0.8	17
18	<i>Hh</i> gene participates in the left-right asymmetry development of amphioxus by controlling <i>Cerberus</i> expression. <i>Development (Cambridge)</i> , 2017, 144, 4694-4703.	2.5	17

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19	Evolutionary dynamics of the ABCA chromosome 17q24 cluster genes in vertebrates. <i>Genomics</i> , 2007, 89, 385-391.	2.9	15
20	Phylogeography of the Rice Frog, <i>Fejervarya multistriata</i> (Anura: Ranidae), from China Based on mtDNA D-loop Sequences. <i>Zoological Science</i> , 2008, 25, 811-820.	0.7	15
21	Complete mitochondrial genomes defining two distinct lancelet species in the West Pacific Ocean. <i>Marine Biology Research</i> , 2009, 5, 278-285.	0.7	14
22	Evolutionary and functional diversity of green fluorescent proteins in cephalochordates. <i>Gene</i> , 2009, 446, 41-49.	2.2	11
23	Functional analysis of the promoter region of amphioxus β -actin gene: a useful tool for driving gene expression in vivo. <i>Molecular Biology Reports</i> , 2014, 41, 6817-6826.	2.3	11
24	Genetic diversity of Chinese alligator (<i>Alligator sinensis</i>) revealed by AFLP analysis: an implication on the management of captive conservation. <i>Biodiversity and Conservation</i> , 2006, 15, 2945-2955.	2.6	10
25	Isolation and functional analysis of the promoter of the amphioxus Hsp70a gene. <i>Gene</i> , 2012, 510, 39-46.	2.2	10
26	Application of CRISPR/Cas9 Nuclease in Amphioxus Genome Editing. <i>Genes</i> , 2020, 11, 1311.	2.4	10
27	Reevaluation of deuterostome phylogeny and evolutionary relationships among chordate subphyla using mitogenome data. <i>Journal of Genetics and Genomics</i> , 2009, 36, 151-160.	3.9	9
28	The role of the <i>Pax1</i> gene in the early development of amphioxus pharyngeal gill slits. , 2015, 324, 30-40.		9
29	Generation of two transgenic amphioxus lines using the Tol2 transposon system. <i>Journal of Genetics and Genomics</i> , 2018, 45, 513-516.	3.9	9
30	Genetic Diversity and Population Structure of Two Lancelets Along the Coast of China. <i>Zoological Science</i> , 2013, 30, 83-91.	0.7	8
31	The function of <i>DrPax1b</i> gene in the embryonic development of zebrafish. <i>Genes and Genetic Systems</i> , 2013, 88, 261-269.	0.7	8
32	Cloning, expression and characterization of two C-type lectins from the venom gland of <i>Bungarus multicinctus</i> . <i>Toxicon</i> , 2007, 50, 411-419.	1.6	7
33	Origin and evolution of vertebrate ABCA genes: A story from Amphioxus. <i>Gene</i> , 2007, 405, 88-95.	2.2	7
34	Differential expression pattern of two Brachyury genes in amphioxus embryos. <i>Gene Expression Patterns</i> , 2020, 38, 119152.	0.8	7
35	A ZZ/ZW Sex Chromosome System in Cephalochordate Amphioxus. <i>Genetics</i> , 2020, 214, 617-622.	2.9	6
36	Chromosome Preparation and Preliminary Observation of Two Amphioxus Species in Xiamen. <i>Zoological Research</i> , 2009, 30, 131-136.	0.6	6

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37	Spatiotemporal expression of Pax genes in amphioxus: Insights into Pax-related organogenesis and evolution. <i>Science China Life Sciences</i> , 2010, 53, 1031-1040.	4.9	5
38	Characterization of Zebrafish Pax1b and Pax9 in Fin Bud Development. <i>BioMed Research International</i> , 2014, 2014, 1-11.	1.9	5
39	Complete Mitochondrial Genome of <i>Epigonichthys cultellus</i> (Cephalochordata: Branchiostomatidae). <i>Zoological Science</i> , 2014, 31, 766-772.	0.7	5
40	Interplay between Lefty and Nodal signaling is essential for the organizer and axial formation in amphioxus embryos. <i>Developmental Biology</i> , 2019, 456, 63-73.	2.0	5
41	Characterization and expression of <i>AmphiBMP3</i> gene in amphioxus <i>Branchiostoma japonicum</i> . <i>Development Growth and Differentiation</i> , 2010, 52, 157-167.	1.5	3
42	Microsatellite DNA marker development and genetic diversity of <i>Branchiostoma belcherii</i> in Xiamen waters. <i>Marine Biology Research</i> , 2011, 7, 826-831.	0.7	3
43	A simple method for selecting spawning-ready individuals out from laboratorial cultured amphioxus population. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2015, 324, 629-635.	1.3	3
44	Generating amphioxus Hedgehog knockout mutants and phenotype analysis. <i>Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji</i> , 2015, 37, 1036-43.	0.2	2
45	Distinct expression patterns and functions of the <i>pygopus</i> genes in amphioxus and zebrafish early embryogenesis. <i>Genes and Genomics</i> , 2015, 37, 375-386.	1.4	1
46	Characterization of an amphioxus heat-shock protein gene promoter and its application in vivo. <i>International Journal of Developmental Biology</i> , 2017, 61, 785-792.	0.6	1
47	Expression analysis of eight amphioxus genes involved in the Wnt/ β -catenin signaling pathway. <i>Zoological Research</i> , 2016, 37, 136-43.	0.6	1
48	Hedgehog signaling controls mouth opening in the amphioxus. <i>Zoological Letters</i> , 2021, 7, 16.	1.3	1
49	Pitx controls amphioxus asymmetric morphogenesis by promoting left-side development and repressing right-side formation. <i>BMC Biology</i> , 2021, 19, 166.	3.8	0
50	THE LABORATORY CULTURE AND REPRODUCTION OF TWO IANCELETS IN XIAMEN. <i>Acta Hydrobiologica Sinica</i> , 2009, 33, 348-351.	0.1	0