

Yi-Quan Wang

List of Publications by Year in descending order

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50
papers

886
citations

623734

14
h-index

526287

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54
all docs

54
docs citations

54
times ranked

802
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Pitx controls amphioxus asymmetric morphogenesis by promoting left-side development and repressing right-side formation. BMC Biology, 2021, 19, 166. | 3.8 | 0 |
| 2 | Hedgehog signaling controls mouth opening in the amphioxus. Zoological Letters, 2021, 7, 16. | 1.3 | 1 |
| 3 | Cilia-driven asymmetric Hedgehog signalling determines the amphioxus left-right axis by controlling <i>Cerberus/Dand5</i> expression. Development (Cambridge), 2020, 147, . | 2.5 | 19 |
| 4 | Step-wise evolution of neural patterning by Hedgehog signalling in chordates. Nature Ecology and Evolution, 2020, 4, 1247-1255. | 7.8 | 18 |
| 5 | Application of CRISPR/Cas9 Nuclease in Amphioxus Genome Editing. Genes, 2020, 11, 1311. | 2.4 | 10 |
| 6 | Differential expression pattern of two Brachyury genes in amphioxus embryos. Gene Expression Patterns, 2020, 38, 119152. | 0.8 | 7 |
| 7 | A ZZ/ZW Sex Chromosome System in Cephalochordate Amphioxus. Genetics, 2020, 214, 617-622. | 2.9 | 6 |
| 8 | Interplay between Lefty and Nodal signaling is essential for the organizer and axial formation in amphioxus embryos. Developmental Biology, 2019, 456, 63-73. | 2.0 | 5 |
| 9 | Generation of two transgenic amphioxus lines using the Tol2 transposon system. Journal of Genetics and Genomics, 2018, 45, 513-516. | 3.9 | 9 |
| 10 | Cerberusâ€“Nodalâ€“Leftyâ€“Pitx signaling cascade controls left <i>â€“</i> right asymmetry in amphioxus. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3684-3689. | 7.1 | 51 |
| 11 | Evolutionary history of the extant amphioxus lineage with shallow-branching diversification. Scientific Reports, 2017, 7, 1157. | 3.3 | 27 |
| 12 | <i>Hh</i> gene participates in the left-right asymmetry development of amphioxus by controlling <i>Cer</i> expression. Development (Cambridge), 2017, 144, 4694-4703. | 2.5 | 17 |
| 13 | Characterization of an amphioxus heat-shock protein gene promoter and its application in vivo. International Journal of Developmental Biology, 2017, 61, 785-792. | 0.6 | 1 |
| 14 | Expression analysis of eight amphioxus genes involved in the Wnt/ β -catenin signaling pathway. Zoological Research, 2016, 37, 136-43. | 0.6 | 1 |
| 15 | The role of the <i>Pax1/9</i> gene in the early development of amphioxus pharyngeal gill slits. , 2015, 324, 30-40. | | 9 |
| 16 | A simple method for selecting spawning-ready individuals out from laboratorial cultured amphioxus population. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2015, 324, 629-635. | 1.3 | 3 |
| 17 | Distinct expression patterns and functions of the pygopus genes in amphioxus and zebrafish early embryogenesis. Genes and Genomics, 2015, 37, 375-386. | 1.4 | 1 |
| 18 | Generating amphioxus Hedgehog knockout mutants and phenotype analysis. Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji, 2015, 37, 1036-43. | 0.2 | 2 |

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|----|--|------|-----------|
| 19 | Characterization of Zebrafish Pax1b and Pax9 in Fin Bud Development. <i>BioMed Research International</i> , 2014, 2014, 1-11. | 1.9 | 5 |
| 20 | Decelerated genome evolution in modern vertebrates revealed by analysis of multiple lancelet genomes. <i>Nature Communications</i> , 2014, 5, 5896. | 12.8 | 136 |
| 21 | Mutagenesis at Specific Genomic Loci of <i>Amphioxus Branchiostoma belcheri</i> Using TALEN Method. <i>Journal of Genetics and Genomics</i> , 2014, 41, 215-219. | 3.9 | 31 |
| 22 | Complete Mitochondrial Genome of <i>Epigonichthys cultellus</i> (Cephalochordata: Branchiostomatidae). <i>Zoological Science</i> , 2014, 31, 766-772. | 0.7 | 5 |
| 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 | 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 |
| 25 | 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 |
| 26 | Genetic Diversity and Population Structure of Two Lancelets Along the Coast of China. <i>Zoological Science</i> , 2013, 30, 83-91. | 0.7 | 8 |
| 27 | The function of <i>Pax1b</i> gene in the embryonic development of zebrafish. <i>Genes and Genetic Systems</i> , 2013, 88, 261-269. | 0.7 | 8 |
| 28 | Year-Round Reproduction and Induced Spawning of Chinese Amphioxus, <i>Branchiostoma belcheri</i> , in Laboratory. <i>PLoS ONE</i> , 2013, 8, e75461. | 2.5 | 33 |
| 29 | Isolation and functional analysis of the promoter of the amphioxus Hsp70a gene. <i>Gene</i> , 2012, 510, 39-46. | 2.2 | 10 |
| 30 | Consecutive Spawnings of Chinese Amphioxus, <i>Branchiostoma belcheri</i> , in Captivity. <i>PLoS ONE</i> , 2012, 7, e50838. | 2.5 | 35 |
| 31 | Microsatellite DNA marker development and genetic diversity of <i>Branchiostoma belcheri</i> in Xiamen waters. <i>Marine Biology Research</i> , 2011, 7, 826-831. | 0.7 | 3 |
| 32 | Comparative genomic analysis reveals the evolutionary conservation of Pax gene family. <i>Genes and Genetic Systems</i> , 2010, 85, 193-206. | 0.7 | 18 |
| 33 | 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 |
| 34 | Characterization and expression of <i>Amphioxus BMP3</i> gene in amphioxus <i>Branchiostoma japonicum</i> . <i>Development Growth and Differentiation</i> , 2010, 52, 157-167. | 1.5 | 3 |
| 35 | 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 |
| 36 | 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 |

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|----|---|-----|-----------|
| 37 | Evolutionary and functional diversity of green fluorescent proteins in cephalochordates. <i>Gene</i> , 2009, 446, 41-49. | 2.2 | 11 |
| 38 | 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 |
| 39 | Chromosome Preparation and Preliminary Observation of Two <i>Amphioxus</i> Species in Xiamen. <i>Zoological Research</i> , 2009, 30, 131-136. | 0.6 | 6 |
| 40 | THE LABORATORY CULTURE AND REPRODUCTION OF TWO LANCELETS IN XIAMEN. <i>Acta Hydrobiologica Sinica</i> , 2009, 33, 348-351. | 0.1 | 0 |
| 41 | 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 |
| 42 | Evolutionary dynamics of the ABCA chromosome 17q24 cluster genes in vertebrates. <i>Genomics</i> , 2007, 89, 385-391. | 2.9 | 15 |
| 43 | 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 |
| 44 | Origin and evolution of vertebrate ABCA genes: A story from <i>Amphioxus</i> . <i>Gene</i> , 2007, 405, 88-95. | 2.2 | 7 |
| 45 | 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 |
| 46 | <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 |
| 47 | 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 |
| 48 | 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 |
| 49 | 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 |
| 50 | 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 |