Ruilin Zhang

List of Publications by Year
in descending order

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28 papers	996 citations	516710 16 h-index	501196 28 g-index
32 all docs	32 docs citations	32 times ranked	1640 citing authors

#	Article	IF	Citations
1	In vivo cardiac reprogramming contributes to zebrafish heart regeneration. Nature, 2013, 498, 497-501.	27.8	229
2	Depletion of zebrafish Tcap leads to muscular dystrophy via disrupting sarcomereâ€“membrane interaction, not sarcomere assembly. Human Molecular Genetics, 2009, 18, 4130-4140.	2.9	89
3	Cardiac Hypertrophy Involves Both Myocyte Hypertrophy and Hyperplasia in Anemic Zebrafish. PLoS ONE, 2009, 4, e6596.	2.5	77
4	Coordinating cardiomyocyte interactions to direct ventricular chamber morphogenesis. Nature, 2016, 534, 700-704.	27.8	75
5	Myofibrillogenesis in the developing zebrafish heart: A functional study of tnnt2. Developmental Biology, 2009, 331, 237-249.	2.0	59
6	Acetylation promotes TyrRS nuclear translocation to prevent oxidative damage. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 687-692.	7.1	59
7	Canonical Wnt5b Signaling Directs Outlying Nkx2.5+ Mesoderm into Pacemaker Cardiomyocytes. Developmental Cell, 2019, 50, 729-743.e5.	7.0	58
8	Sensing of cytosolic LPS through caspy2 pyrin domain mediates noncanonical inflammasome activation in zebrafish. Nature Communications, 2018, 9, 3052.	12.8	49
9	Wnt3a Regulates the Development of Cardiac Neural Crest Cells by Modulating Expression of Cysteine-Rich Intestinal Protein 2 in Rhombomere 6. Circulation Research, 2008, 102, 831-839.	4.5	39
10	Efficacy of Montanideâ„¢ ISA 763 A VG as aquatic adjuvant administrated with an inactivated Vibrio harveyi vaccine in turbot (Scophthalmus maximus L.). Fish and Shellfish Immunology, 2019, 84, 56-61.	3.6	33
11	Hemodynamic-mediated endocardial signaling controls in vivo myocardial reprogramming. ELife, 2019, 8, .	6.0	30
12	Transient and transgenic analysis of the zebrafish ventricular myosin heavy chain (vmhc) promoter: An inhibitory mechanism of ventricleâ€specific gene expression. Developmental Dynamics, 2009, 238, 1564-1573.	1.8	27
13	Genome-wide screening of functional long noncoding RNAs in the epicardial adipose tissues of atrial fibrillation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165757.	3.8	26
14	Primary cilia mediate Klf2-dependant Notch activation in regenerating heart. Protein and Cell, 2020, 11, 433-445.	11.0	22
15	The atypical Rho GTPase, RhoU, regulates cell-adhesion molecules during cardiac morphogenesis. Developmental Biology, 2014, 389, 182-191.	2.0	19
16	Identification of novel candidate genes in heterotaxy syndrome patients with congenital heart diseases by whole exome sequencing. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165906.	3.8	18
17	Recent Application of Zebrafish Models in Atherosclerosis Research. Frontiers in Cell and Developmental Biology, 2021, 9, 643697.	3.7	12
18	BMP and Notch Signaling Pathways differentially regulate Cardiomyocyte Proliferation during Ventricle Regeneration. International Journal of Biological Sciences, 2021, 17, 2157-2166.	6.4	11

#	Article	IF	Citations
19	Functional alterations and transcriptomic changes during zebrafish cardiac aging. Biogerontology, 2020, 21, 637-652.	3.9	10
20	Identification of rare variants in novel candidate genes in pulmonary atresia patients by next generation sequencing. Computational and Structural Biotechnology Journal, 2020, 18, 381-392.	4.1	10
21	The roles and activation of endocardial Notch signaling in heart regeneration. Cell Regeneration, 2021, 10, 3.	2.6	9
22	Inhibition of TGF-Î²/Smad3 Signaling Disrupts Cardiomyocyte Cell Cycle Progression and Epithelialâ€“Mesenchymal Transition-Like Response During Ventricle Regeneration. Frontiers in Cell and Developmental Biology, 2021, 9, 632372.	3.7	8
23	Secretory expression and scale-up production of recombinant human thyroid peroxidase via baculovirus/insect cell system in a wave-type bioreactor. Protein Expression and Purification, 2018, 149, 7-12.	1.3	7
24	Zebrafish cysteine and glycine-rich protein 3 is essential for mechanical stability in skeletal muscles. Biochemical and Biophysical Research Communications, 2019, 511, 604-611.	2.1	7
25	Hemodynamic Forces Regulate Cardiac Regeneration-Responsive Enhancer Activity during Ventricle Regeneration. International Journal of Molecular Sciences, 2021, 22, 3945.	4.1	7
26	Zebrafish as an animal model for the antiviral RNA interference pathway. Journal of General Virology, 2021, 102, .	2.9	3
27	Knockout of Shelterin subunit genes in zebrafish results in distinct outcomes. Biochemical and Biophysical Research Communications, 2022, 617, 22-29.	2.1	1
28	Ankfn1-mutant vestibular defects require loss of both ancestral and derived paralogs for penetrance in zebrafish. G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	0