Jing-Wei Xiong

List of Publications by Year
in descending order

38	1,098	394421	434195
papers	citations	19 h-index	31 g-index

43	43	43	1964
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Migrasomes provide regional cues for organ morphogenesis during zebrafish gastrulation. Nature Cell Biology, 2019, 21, 966-977.	10.3	122
2	Hydrogen peroxide primes heart regeneration with a derepression mechanism. Cell Research, 2014, 24, 1091-1107.	12.0	115
3	Il-1Î² and Reactive Oxygen Species Differentially Regulate Neutrophil Directional Migration and Basal Random Motility in a Zebrafish Injuryâ€“Induced Inflammation Model. Journal of Immunology, 2014, 192, 5998-6008.	0.8	74
4	Chromatin-remodelling factor Brg1 regulates myocardial proliferation and regeneration in zebrafish. Nature Communications, 2016, 7, 13787.	12.8	67
5	Spliceosomal protein eftud2 mutation leads to p53-dependent apoptosis in zebrafish neural progenitors. Nucleic Acids Research, 2017, 45, 3422-3436.	14.5	64
6	Î±/Î²-Hydrolase domain-containing 6 (ABHD6) negatively regulates the surface delivery and synaptic function of AMPA receptors. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2695-704.	7.1	58
7	Mecp2 regulates neural cell differentiation by suppressing the Id1 to Her2 axis in zebrafish. Journal of Cell Science, 2015, 128, 2340-2350.	2.0	47
8	Small activating RNA binds to the genomic target site in a seed-region-dependent manner. Nucleic Acids Research, 2016, 44, 2274-2282.	14.5	43
9	Heritable/conditional genome editing in C. elegans using a CRISPR-Cas9 feeding system. Cell Research, 2014, 24, 886-889.	12.0	39
10	Generation of functional salivary gland tissue from human submandibular gland stem/progenitor cells. Stem Cell Research and Therapy, 2020, 11, 127.	5.5	38
11	NEXN inhibits GATA4 and leads to atrial septal defects in mice and humans. Cardiovascular Research, 2014, 103, 228-237.	3.8	35
12	Remodeling of Mitochondrial Flashes in Muscular Development and Dystrophy in Zebrafish. PLoS ONE, 2015, 10, e0132567.	2.5	35
13	Systematic genome editing of the genes on zebrafish Chromosome 1 by CRISPR/Cas9. Genome Research, 2020, 30, 118-126.	5.5	32
14	A small-molecule cocktail promotes mammalian cardiomyocyte proliferation and heart regeneration. Cell Stem Cell, 2022, 29, 545-558.e13.	11.1	32
15	PEGâ€“PLA nanoparticles facilitate siRNA knockdown in adult zebrafish heart. Developmental Biology, 2015, 406, 196-202.	2.0	27
16	Talin1 is required for cardiac Zâ€disk stabilization and endothelial integrity in zebrafish. FASEB Journal, 2015, 29, 4989-5005.	0.5	25
17	Haploinsufficiency of Def Activates p53-Dependent TGFÎ² Signalling and Causes Scar Formation after Partial Hepatectomy. PLoS ONE, 2014, 9, e96576.	2.5	24
18	Questions about NgAgo. Protein and Cell, 2016, 7, 913-915.	11.0	24

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19	A Neutralized Noncharged Polyethylenimine-Based System for Efficient Delivery of siRNA into Heart without Toxicity. ACS Applied Materials & Interfaces, 2016, 8, 33529-33538.	8.0	22
20	In vivo imaging of Î²-cell function reveals glucose-mediated heterogeneity of Î²-cell functional development. ELife, 2019, 8, .	6.0	20
21	Miconazole protects blood vessels from matrix metalloproteinase 9-dependent rupture and hemorrhage. DMM Disease Models and Mechanisms, 2017, 10, 337-348.	2.4	18
22	Light-sheet fluorescence imaging charts the gastrula origin of vascular endothelial cells in early zebrafish embryos. Cell Discovery, 2020, 6, 74.	6.7	16
23	Protein tyrosine phosphatase PTPN9 regulates erythroid cell development through STAT3 dephosphorylation in zebrafish. Journal of Cell Science, 2014, 127, 2761-70.	2.0	15
24	Vinculin b deficiency causes epicardial hyperplasia and coronary vessel disorganization in zebrafish. Development (Cambridge), 2016, 143, 3522-3531.	2.5	13
25	p53 isoform Î”113p53 promotes zebrafish heart regeneration by maintaining redox homeostasis. Cell Death and Disease, 2020, 11, 568.	6.3	13
26	Molecular regulation of myocardial proliferation and regeneration. Cell Regeneration, 2021, 10, 13.	2.6	13
27	BMP and Notch Signaling Pathways differentially regulate Cardiomyocyte Proliferation during Ventricle Regeneration. International Journal of Biological Sciences, 2021, 17, 2157-2166.	6.4	11
28	Epigenetic Regulation of Organ Regeneration in Zebrafish. Journal of Cardiovascular Development and Disease, 2018, 5, 57.	1.6	10
29	A novel inducible mutagenesis screen enables to isolate and clone both embryonic and adult zebrafish mutants. Scientific Reports, 2017, 7, 10381.	3.3	8
30	Nanoparticle-mediated siRNA Gene-silencing in Adult Zebrafish Heart. Journal of Visualized Experiments, 2018, , .	0.3	8
31	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
32	Recent advances in heart regeneration. Birth Defects Research Part C: Embryo Today Reviews, 2013, 99, 160-169.	3.6	5
33	Endothelial cell membrane-based biosurface for targeted delivery to acute injury: analysis of leukocyte-mediated nanoparticle transportation. Nanoscale, 2021, 13, 14636-14643.	5.6	4
34	Proprotein Convertase Furina Is Required for Heart Development in Zebrafish. Journal of Cell Science, 2021, 134, .	2.0	4
35	Evolutionary insights into heart regeneration. Cell Regeneration, 2020, 9, 23.	2.6	3
36	Antimalarial drug artemisinin depletes erythrocytes by activating apoptotic pathways in zebrafish. Experimental Hematology, 2015, 43, 331-341.e8.	0.4	2

#	Article	IF	Citations
37	Diverse biological and engineering strategies towards organ regeneration. Cell Regeneration, 2021, 10, 34.	2.6	1
38	Critical role of zebrafish dnajb5 in myocardial proliferation and regeneration. Journal of Genetics and Genomics, 2020, 47, 493-496.	3.9	0