

Xiaolei Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4754881/publications.pdf>

Version: 2024-02-01

63
papers

5,082
citations

279798

23
h-index

149698

56
g-index

69
all docs

69
docs citations

69
times ranked

11633
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of an F0-based genetic assay in adult zebrafish to identify modifier genes of an inherited cardiomyopathy. <i>DMM Disease Models and Mechanisms</i> , 2023, 16, .	2.4	9
2	A novel wireless ECG system for prolonged monitoring of multiple zebrafish for heart disease and drug screening studies. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113808.	10.1	9
3	Induction of Wnt signaling antagonists and p21-activated kinase enhances cardiomyocyte proliferation during zebrafish heart regeneration. <i>Journal of Molecular Cell Biology</i> , 2021, 13, 41-58.	3.3	11
4	A Swimming-based Assay to Determine the Exercise Capacity of Adult Zebrafish Cardiomyopathy Models. <i>Bio-protocol</i> , 2021, 11, e4114.	0.4	2
5	mTOR Haploinsufficiency Ameliorates Renal Cysts and Cilia Abnormality in Adult Zebrafish <i>tmem67</i> Mutants. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 822-836.	6.1	10
6	TFEB Overexpression, Not mTOR Inhibition, Ameliorates RagCS75Y Cardiomyopathy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5494.	4.1	7
7	Deep learning-based framework for cardiac function assessment in embryonic zebrafish from heart beating videos. <i>Computers in Biology and Medicine</i> , 2021, 135, 104565.	7.0	12
8	<i>atg7</i> -Based Autophagy Activation Reverses Doxorubicin-Induced Cardiotoxicity. <i>Circulation Research</i> , 2021, 129, e166-e182.	4.5	36
9	Changes in ion channel expression and function associated with cardiac arrhythmogenic remodeling by <i>Sorbs2</i> . <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166247.	3.8	4
10	Inhibition of mTOR or MAPK ameliorates <i>vmhcl/myh7</i> cardiomyopathy in zebrafish. <i>JCI Insight</i> , 2021, 6, .	5.0	10
11	Continuous Electrocardiogram Monitoring in Zebrafish with Prolonged Mild Anesthesia. , 2020, 2020, 2610-2613.		4
12	Modeling Inherited Cardiomyopathies in Adult Zebrafish for Precision Medicine. <i>Frontiers in Physiology</i> , 2020, 11, 599244.	2.8	15
13	Knockout of <i>SORBS2</i> Protein Disrupts the Structural Integrity of Intercalated Disc and Manifests Features of Arrhythmogenic Cardiomyopathy. <i>Journal of the American Heart Association</i> , 2020, 9, e017055.	3.7	32
14	Aging-associated sinus arrest and sick sinus syndrome in adult zebrafish. <i>PLoS ONE</i> , 2020, 15, e0232457.	2.5	21
15	A feasibility study for noninvasive measurement of shear wave speed in live zebrafish. <i>Ultrasonics</i> , 2020, 107, 106170.	3.9	3
16	How should colorectal surgeons practice during the COVID-19 epidemic? A retrospective single-centre analysis based on real-world data from China. <i>ANZ Journal of Surgery</i> , 2020, 90, 1310-1315.	0.7	9
17	Retinoid X receptor alpha is a spatiotemporally predominant therapeutic target for anthracycline-induced cardiotoxicity. <i>Science Advances</i> , 2020, 6, eaay2939.	10.3	24
18	Building the vertebrate codex using the gene breaking protein trap library. <i>ELife</i> , 2020, 9, .	6.0	11

#	ARTICLE	IF	CITATIONS
19	Aging-associated sinus arrest and sick sinus syndrome in adult zebrafish. , 2020, 15, e0232457.		0
20	Aging-associated sinus arrest and sick sinus syndrome in adult zebrafish. , 2020, 15, e0232457.		0
21	Aging-associated sinus arrest and sick sinus syndrome in adult zebrafish. , 2020, 15, e0232457.		0
22	Aging-associated sinus arrest and sick sinus syndrome in adult zebrafish. , 2020, 15, e0232457.		0
23	Phenotyping an adult zebrafish lamp2 cardiomyopathy model identifies mTOR inhibition as a candidate therapy. Journal of Molecular and Cellular Cardiology, 2019, 133, 199-208.	1.9	22
24	Application of highly efficient and lowly toxic bufadienolides screened from toad skin in lymphatic chemotherapy for colorectal cancer through a lymphatic metastatic model. International Immunopharmacology, 2019, 70, 241-251.	3.8	2
25	Acquisition, Processing and Analysis of Electrocardiogram in Awake Zebrafish. IEEE Sensors Journal, 2019, 19, 4283-4289.	4.7	10
26	Haploinsufficiency of mechanistic target of rapamycin ameliorates bag3 cardiomyopathy in adult zebrafish. DMM Disease Models and Mechanisms, 2019, 12, .	2.4	17
27	Displacement analysis of myocardial mechanical deformation (DIAMOND) reveals segmental susceptibility to doxorubicin-induced injury and regeneration. JCI Insight, 2019, 4, .	5.0	13
28	A Langendorff-like system to quantify cardiac pump function in adult zebrafish. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	19
29	A Doxorubicin-induced Cardiomyopathy Model in Adult Zebrafish. Journal of Visualized Experiments, 2018, , .	0.3	16
30	Real-Time Monitoring and Analysis of Zebrafish Electrocardiogram with Anomaly Detection. Sensors, 2018, 18, 61.	3.8	24
31	Characterization of Passive Wireless Electrocardiogram Acquisition in Adult Zebrafish. , 2018, , .		1
32	Phenotyping cardiomyopathy in adult zebrafish. Progress in Biophysics and Molecular Biology, 2018, 138, 116-125.	2.9	35
33	Systematic identification and characterization of cardiac long intergenic noncoding RNAs in zebrafish. Scientific Reports, 2017, 7, 1250.	3.3	12
34	Automated Segmentation of Light-Sheet Fluorescent Imaging to Characterize Experimental Doxorubicin-Induced Cardiac Injury and Repair. Scientific Reports, 2017, 7, 8603.	3.3	39
35	Modeling GATAD1-Associated Dilated Cardiomyopathy in Adult Zebrafish. Journal of Cardiovascular Development and Disease, 2016, 3, 6.	1.6	7
36	Autophagy activators suppress cystogenesis in an autosomal dominant polycystic kidney disease model. Human Molecular Genetics, 2016, 26, ddw376.	2.9	67

#	ARTICLE	IF	CITATIONS
37	De novo RRAGC mutation activates mTORC1 signaling in syndromic fetal dilated cardiomyopathy. Human Genetics, 2016, 135, 909-917.	3.8	28
38	Exon- and contraction-dependent functions of titin in sarcomere assembly. Development (Cambridge), 2016, 143, 4713-4722.	2.5	24
39	Cardiac Light-Sheet Fluorescent Microscopy for Multi-Scale and Rapid Imaging of Architecture and Function. Scientific Reports, 2016, 6, 22489.	3.3	64
40	Effects of ventricular conduction block patterns on mortality in hospitalized patients with dilated cardiomyopathy: a single-center cohort study. BMC Cardiovascular Disorders, 2016, 16, 136.	1.7	6
41	A modifier screen identifies DNAJB6 as a cardiomyopathy susceptibility gene. JCI Insight, 2016, 1, .	5.0	42
42	Cardiac Transcriptome and Dilated Cardiomyopathy Genes in Zebrafish. Circulation: Cardiovascular Genetics, 2015, 8, 261-269.	5.1	98
43	Evidence of an Association between Age-Related Functional Modifications and Pathophysiological Changes in Zebrafish Heart. Gerontology, 2015, 61, 435-447.	2.8	20
44	Both ciliary and non-ciliary functions of Foxj1a confer Wnt/ β 2-catenin signaling in zebrafish left-right patterning. Biology Open, 2015, 4, 1376-1386.	1.2	17
45	Cardiac Troponin T (TNNT2) Mutations in Chinese Dilated Cardiomyopathy Patients. BioMed Research International, 2014, 2014, 1-7.	1.9	3
46	Cessation of contraction induces cardiomyocyte remodeling during zebrafish cardiogenesis. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H382-H395.	3.2	17
47	Understanding Cardiac Sarcomere Assembly With Zebrafish Genetics. Anatomical Record, 2014, 297, 1681-1693.	1.4	14
48	New and TALENTed Genome Engineering Toolbox. Circulation Research, 2013, 113, 571-587.	4.5	48
49	Trapping Cardiac Recessive Mutants via Expression-Based Insertional Mutagenesis Screening. Circulation Research, 2013, 112, 606-617.	4.5	47
50	Abstract 047: Transgenic troponin T in Zebrafish recapitulates a Unique type of Cardiomyopathy. Circulation Research, 2013, 113, .	4.5	0
51	β -Actinin2 is required for the lateral alignment of Z-discs and ventricular chamber enlargement during zebrafish cardiogenesis. FASEB Journal, 2012, 26, 4230-4242.	0.5	30
52	Target of rapamycin (TOR)-based therapeutics for cardiomyopathy. Cell Cycle, 2012, 11, 428-429.	2.6	5
53	Quantifying Cardiac Functions in Embryonic and Adult Zebrafish. Methods in Molecular Biology, 2012, 843, 11-20.	0.9	91
54	Immunostaining of Dissected Zebrafish Embryonic Heart. Journal of Visualized Experiments, 2012, , e3510.	0.3	28

#	ARTICLE	IF	CITATIONS
55	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
56	Haploinsufficiency of Target of Rapamycin Attenuates Cardiomyopathies in Adult Zebrafish. <i>Circulation Research</i> , 2011, 109, 658-669.	4.5	115
57	Functions of the Wnt/ β -catenin pathway in an anemia-induced zebrafish model of cardiomyopathy are location dependent. <i>Biochemical and Biophysical Research Communications</i> , 2011, 415, 490-496.	2.1	8
58	In vivo protein trapping produces a functional expression codex of the vertebrate proteome. <i>Nature Methods</i> , 2011, 8, 506-512.	19.0	169
59	Depletion of zebrafish Tcap leads to muscular dystrophy via disrupting sarcomere-membrane interaction, not sarcomere assembly. <i>Human Molecular Genetics</i> , 2009, 18, 4130-4140.	2.9	89
60	Myofibrillogenesis in the developing zebrafish heart: A functional study of tnnt2. <i>Developmental Biology</i> , 2009, 331, 237-249.	2.0	59
61	Cardiac Hypertrophy Involves Both Myocyte Hypertrophy and Hyperplasia in Anemic Zebrafish. <i>PLoS ONE</i> , 2009, 4, e6596.	2.5	77
62	Depletion of Zebrafish Titin Reduces Cardiac Contractility by Disrupting the Assembly of Z-Discs and A-Bands. <i>Circulation Research</i> , 2007, 100, 238-245.	4.5	78
63	Cardiomyopathy in zebrafish due to mutation in an alternatively spliced exon of titin. <i>Nature Genetics</i> , 2002, 30, 205-209.	21.4	243