Wuqiang Zhu

List of Publications by Year
in descending order

39 papers	1,749 citations	394421 19 h-index	315739 38 g-index
40 all docs	40 docs citations	40 times ranked	2763 citing authors

#	Article	IF	Citations
1	Optogenetic Control of Engrafted Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes in Live Mice: A Proof-of-Concept Study. Cells, 2022, 11, 951.	4.1	2
2	Nanofiber capsules for minimally invasive sampling of biological specimens from gastrointestinal tract. Acta Biomaterialia, 2022, 146, 211-221.	8.3	5
3	Identification of metabolic pathways underlying FGF1 and CHIR99021-mediated cardioprotection. IScience, 2022, 25, 104447.	4.1	5
4	Turning back the clock: A concise viewpoint of cardiomyocyte cell cycle activation for myocardial regeneration and repair. Journal of Molecular and Cellular Cardiology, 2022, 170, 15-21.	1.9	4
5	Minimally Invasive Delivery of 3D Shape Recoverable Constructs with Ordered Structures for Tissue Repair. ACS Biomaterials Science and Engineering, 2021, 7, 2204-2211.	5.2	16
6	Circular RNAs and Cardiovascular Regeneration. Frontiers in Cardiovascular Medicine, 2021, 8, 672600.	2.4	5
7	Cyclin D2 Overexpression Enhances the Efficacy of Human Induced Pluripotent Stem Cellâ€“Derived Cardiomyocytes for Myocardial Repair in a Swine Model of Myocardial Infarction. Circulation, 2021, 144, 210-228.	1.6	61
8	De novo Drug Delivery Modalities for Treating Damaged Hearts: Current Challenges and Emerging Solutions. Frontiers in Cardiovascular Medicine, 2021, 8, 742315.	2.4	2
9	Metabolic Profile in Neonatal Pig Hearts. Frontiers in Cardiovascular Medicine, 2021, 8, 763984.	2.4	3
10	N-cadherin overexpression enhances the reparative potency of human-induced pluripotent stem cell-derived cardiac myocytes in infarcted mouse hearts. Cardiovascular Research, 2020, 116, 671-685.	3.8	25
11	Targeting exosomeâ€associated human antigen R attenuates fibrosis and inflammation in diabetic heart. FASEB Journal, 2020, 34, 2238-2251.	0.5	50
12	CHIR99021 and fibroblast growth factor 1 enhance the regenerative potency of human cardiac muscle patch after myocardial infarction in mice. Journal of Molecular and Cellular Cardiology, 2020, 141, 1-10.	1.9	40
13	Utilization of Human Induced Pluripotent Stem Cells for Cardiac Repair. Frontiers in Cell and Developmental Biology, 2020, 8, 36.	3.7	20
14	Fluorescent indicators for continuous and lineageâ€specific reporting of cellâ€cycle phases in human pluripotent stem cells. Biotechnology and Bioengineering, 2020, 117, 2177-2186.	3.3	10
15	Myocardial protection by nanomaterials formulated with CHIR99021 and FGF1. JCI Insight, 2020, 5, .	5.0	15
16	Editorial: Nanotechnology in Cardiovascular Regenerative Medicine. Frontiers in Bioengineering and Biotechnology, 2020, 8, 608844.	4.1	5
17	Y-27632 preconditioning enhances transplantation of human-induced pluripotent stem cell-derived cardiomyocytes in myocardial infarction mice. Cardiovascular Research, 2019, 115, 343-356.	3.8	30
18	Cardiomyocytes from CCND2-overexpressing human induced-pluripotent stem cells repopulate the myocardial scar in mice: A 6-month study. Journal of Molecular and Cellular Cardiology, 2019, 137, 25-33.	1.9	19

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19	Enhancing the Engraftment of Human Induced Pluripotent Stem Cell-derived Cardiomyocytes via a Transient Inhibition of Rho Kinase Activity. Journal of Visualized Experiments, 2019, , .	0.3	4
20	Targeted expression of cyclin D2 ameliorates late stage anthracycline cardiotoxicity. Cardiovascular Research, 2019, 115, 960-965.	3.8	19
21	Optogenetics: Background, Methodological Advances and Potential Applications for Cardiovascular Research and Medicine. Frontiers in Bioengineering and Biotechnology, 2019, 7, 466.	4.1	57
22	CCND2 Overexpression Enhances the Regenerative Potency of Human Induced Pluripotent Stem Cellâ€"Derived Cardiomyocytes. Circulation Research, 2018, 122, 88-96.	4.5	113
23	Large Cardiac Muscle Patches Engineered From Human Induced-Pluripotent Stem Cellâ€"Derived Cardiac Cells Improve Recovery From Myocardial Infarction in Swine. Circulation, 2018, 137, 1712-1730.	1.6	332
24	VEGF nanoparticles repair the heart after myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H278-H284.	3.2	101
25	Protein phosphatase 5 and the tumor suppressor p53 down-regulate each other's activities in mice. Journal of Biological Chemistry, 2018, 293, 18218-18229.	3.4	14
26	Spheroids of cardiomyocytes derived from human-induced pluripotent stem cells improve recovery from myocardial injury in mice. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H327-H339.	3.2	65
27	Can We Engineer a Human Cardiac Patch for Therapy?. Circulation Research, 2018, 123, 244-265.	4.5	121
28	Regenerative Potential of Neonatal Porcine Hearts. Circulation, 2018, 138, 2809-2816.	1.6	179
29	Meeting Report for the 2017 National Institutes of Health National Heart, Lung, and Blood Institute Progenitor Cell Biology Consortium. Circulation Research, 2017, 120, 1709-1712.	4.5	2
30	Biomarkers for monitoring chemotherapy-induced cardiotoxicity. Critical Reviews in Clinical Laboratory Sciences, 2017, 54, 87-101.	6.1	22
31	Pluripotent Stem Cell Derived Cardiac Cells for Myocardial Repair. Journal of Visualized Experiments, 2017, , .	0.3	9
32	Overcoming the Roadblocks to Cardiac Cell Therapy Using Tissue Engineering. Journal of the American College of Cardiology, 2017, 70, 766-775.	2.8	82
33	Cardiomyocyte proliferation prevents failure in pressure overload but not volume overload. Journal of Clinical Investigation, 2017, 127, 4285-4296.	8.2	31
34	31P NMR 2D Mapping of Creatine Kinase Forward Flux Rate in Hearts with Postinfarction Left Ventricular Remodeling in Response to Cell Therapy. PLoS ONE, 2016, 11, e0162149.	2.5	4
35	Cyclin D2â€mediated cardiomyocyte cell cycle activity reverses doxorubicinâ€induced cardiotoxicity. FASEB Journal, 2013, 27, 1105.26.	0.5	0
36	The pivotal role of p53 in doxorubicinâ€induced acute versus chronic cardiotoxicity. FASEB Journal, 2013, 27, 528.2.	0.5	0

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37	Cell-Cycle-Based Strategies to Drive Myocardial Repair. Pediatric Cardiology, 2009, 30, 710-715.	1.3	12
38	Acute Doxorubicin Cardiotoxicity Is Associated With p53-Induced Inhibition of the Mammalian Target of Rapamycin Pathway. Circulation, 2009, 119, 99-106.	1.6	190
39	A Mouse Model for Juvenile Doxorubicin-Induced Cardiac Dysfunction. Pediatric Research, 2008, 64, 488-494.	2.3	61