

Wenbin Liang

List of Publications by Year in descending order

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26
papers

824
citations

840119

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676716

22
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26
all docs

26
docs citations

26
times ranked

1400
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoengineered Sprayable Therapy for Treating Myocardial Infarction. ACS Nano, 2022, 16, 3522-3537.	7.3	5
2	Cardiomyocyte-specific deletion of β -catenin protects mouse hearts from ventricular arrhythmias after myocardial infarction. Scientific Reports, 2021, 11, 17722.	1.6	4
3	GATA6 is a regulator of sinus node development and heart rhythm. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	12
4	Direct and Indirect Suppression of Scn5a Gene Expression Mediates Cardiac Na ⁺ Channel Inhibition by Wnt Signalling. Canadian Journal of Cardiology, 2020, 36, 564-576.	0.8	12
5	Canonical Wnt signaling promotes pacemaker cell specification of cardiac mesodermal cells derived from mouse and human embryonic stem cells. Stem Cells, 2020, 38, 352-368.	1.4	55
6	Disease Modelling and Precision Medicine Using Canadian Cardiomyocytes. Canadian Journal of Cardiology, 2020, 36, 467-469.	0.8	0
7	BEATS: an open access 3D printed device for in vitro electromechanical stimulation of human induced pluripotent stem cells. Scientific Reports, 2020, 10, 11274.	1.6	9
8	zêWire: A Microscaffold That Supports Guided Tissue Assembly and Intramyocardium Delivery for Cardiac Repair. Advanced Healthcare Materials, 2020, 9, 2000358.	3.9	4
9	Deterministic paracrine repair of injured myocardium using microfluidic-based cocooning of heart explant-derived cells. Biomaterials, 2020, 247, 120010.	5.7	16
10	ATP-sensitive K ⁺ channels and mitochondrial permeability transition pore mediate effects of hydrogen sulfide on cytosolic Ca ²⁺ homeostasis and insulin secretion in β -cells. Pflugers Archiv European Journal of Physiology, 2019, 471, 1551-1564.	1.3	14
11	Injectable human recombinant collagen matrices limit adverse remodeling and improve cardiac function after myocardial infarction. Nature Communications, 2019, 10, 4866.	5.8	103
12	Disease modeling of cardiac arrhythmias using human induced pluripotent stem cells. Expert Opinion on Biological Therapy, 2019, 19, 313-333.	1.4	6
13	Glyoxalase 1 Prevents Chronic Hyperglycemia Induced Heart-Explant Derived Cell Dysfunction. Theranostics, 2019, 9, 5720-5730.	4.6	10
14	Bmi-1 high-expressing cells enrich cardiac stem/progenitor cells and respond to heart injury. Journal of Cellular and Molecular Medicine, 2019, 23, 104-111.	1.6	5
15	Role of mitochondrial Ca ²⁺ uniporter in remifentanil-induced postoperative allodynia. European Journal of Neuroscience, 2018, 47, 305-313.	1.2	6
16	Nanoengineered Electroconductive Collagen-Based Cardiac Patch for Infarcted Myocardium Repair. ACS Applied Materials & Interfaces, 2018, 10, 44668-44677.	4.0	77
17	Induced Pluripotent Stem Cell-Based Treatment of Acquired Heart Block. Circulation: Arrhythmia and Electrophysiology, 2017, 10, e005331.	2.1	0
18	De Novo Human Cardiac Myocytes for Medical Research: Promises and Challenges. Stem Cells International, 2017, 2017, 1-7.	1.2	10

#	ARTICLE	IF	CITATIONS
19	Cardiovascular Regeneration: Biology and Therapy. <i>Stem Cells International</i> , 2017, 2017, 1-2.	1.2	0
20	Wnt signalling suppresses voltage-dependent Na ⁺ channel expression in postnatal rat cardiomyocytes. <i>Journal of Physiology</i> , 2015, 593, 1147-1157.	1.3	31
21	SHOX2 Overexpression Favors Differentiation of Embryonic Stem Cells into Cardiac Pacemaker Cells, Improving Biological Pacing Ability. <i>Stem Cell Reports</i> , 2015, 4, 129-142.	2.3	107
22	Swelling-activated Cl ⁻ currents and intracellular CLC-3 are involved in proliferation of human pulmonary artery smooth muscle cells. <i>Journal of Hypertension</i> , 2014, 32, 318-330.	0.3	24
23	Direct conversion of quiescent cardiomyocytes to pacemaker cells by expression of Tbx18. <i>Nature Biotechnology</i> , 2013, 31, 54-62.	9.4	274
24	Catharanthine Dilates Small Mesenteric Arteries and Decreases Heart Rate and Cardiac Contractility by Inhibition of Voltage-Operated Calcium Channels on Vascular Smooth Muscle Cells and Cardiomyocytes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013, 345, 383-392.	1.3	14
25	Role of Phosphoinositide 3-Kinase β , Protein Kinase C, and L-Type Ca ²⁺ Channels in Mediating the Complex Actions of Angiotensin II on Mouse Cardiac Contractility. <i>Hypertension</i> , 2010, 56, 422-429.	1.3	25
26	Inhibition of β -catenin Increases Voltage-gated Na ⁺ Current in Brugada Syndrome Cardiomyocytes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1