

Wenbin Liang

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

824
citations

840119

11
h-index

676716

22
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26
all docs

26
docs citations

26
times ranked

1400
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Direct conversion of quiescent cardiomyocytes to pacemaker cells by expression of Tbx18. <i>Nature Biotechnology</i> , 2013, 31, 54-62. | 9.4 | 274 |
| 2 | 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 |
| 3 | Injectable human recombinant collagen matrices limit adverse remodeling and improve cardiac function after myocardial infarction. <i>Nature Communications</i> , 2019, 10, 4866. | 5.8 | 103 |
| 4 | Nanoengineered Electroconductive Collagen-Based Cardiac Patch for Infarcted Myocardium Repair. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44668-44677. | 4.0 | 77 |
| 5 | Canonical Wnt signaling promotes pacemaker cell specification of cardiac mesodermal cells derived from mouse and human embryonic stem cells. <i>Stem Cells</i> , 2020, 38, 352-368. | 1.4 | 55 |
| 6 | Wnt signalling suppresses voltage-dependent Na ⁺ channel expression in postnatal rat cardiomyocytes. <i>Journal of Physiology</i> , 2015, 593, 1147-1157. | 1.3 | 31 |
| 7 | 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 |
| 8 | 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 |
| 9 | Deterministic paracrine repair of injured myocardium using microfluidic-based cocooning of heart explant-derived cells. <i>Biomaterials</i> , 2020, 247, 120010. | 5.7 | 16 |
| 10 | 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 |
| 11 | ATP-sensitive K ⁺ channels and mitochondrial permeability transition pore mediate effects of hydrogen sulfide on cytosolic Ca ²⁺ homeostasis and insulin secretion in β ² -cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2019, 471, 1551-1564. | 1.3 | 14 |
| 12 | Direct and Indirect Suppression of Scn5a Gene Expression Mediates Cardiac Na ⁺ Channel Inhibition by Wnt Signalling. <i>Canadian Journal of Cardiology</i> , 2020, 36, 564-576. | 0.8 | 12 |
| 13 | GATA6 is a regulator of sinus node development and heart rhythm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 12 |
| 14 | <i>De Novo</i> Human Cardiac Myocytes for Medical Research: Promises and Challenges. <i>Stem Cells International</i> , 2017, 2017, 1-7. | 1.2 | 10 |
| 15 | Glyoxalase 1 Prevents Chronic Hyperglycemia Induced Heart-Explant Derived Cell Dysfunction. <i>Theranostics</i> , 2019, 9, 5720-5730. | 4.6 | 10 |
| 16 | BEaTS- β an open access 3D printed device for in vitro electromechanical stimulation of human induced pluripotent stem cells. <i>Scientific Reports</i> , 2020, 10, 11274. | 1.6 | 9 |
| 17 | Role of mitochondrial Ca ²⁺ uniporter in remifentanil-induced postoperative allodynia. <i>European Journal of Neuroscience</i> , 2018, 47, 305-313. | 1.2 | 6 |
| 18 | Disease modeling of cardiac arrhythmias using human induced pluripotent stem cells. <i>Expert Opinion on Biological Therapy</i> , 2019, 19, 313-333. | 1.4 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Bmi ¹ high ¹ 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 |
| 20 | Nanoengineered Sprayable Therapy for Treating Myocardial Infarction. ACS Nano, 2022, 16, 3522-3537. | 7.3 | 5 |
| 21 | zâ€Wire: A Microscaffold That Supports Guided Tissue Assembly and Intramyocardium Delivery for Cardiac Repair. Advanced Healthcare Materials, 2020, 9, 2000358. | 3.9 | 4 |
| 22 | Cardiomyocyte-specific deletion of β -catenin protects mouse hearts from ventricular arrhythmias after myocardial infarction. Scientific Reports, 2021, 11, 17722. | 1.6 | 4 |
| 23 | Inhibition of β -catenin Increases Voltage-gated Na ⁺ Current in Brugada Syndrome Cardiomyocytes. SSRN Electronic Journal, 0, , . | 0.4 | 1 |
| 24 | Induced Pluripotent Stem Cellâ€Based Treatment of Acquired Heart Block. Circulation: Arrhythmia and Electrophysiology, 2017, 10, e005331. | 2.1 | 0 |
| 25 | Cardiovascular Regeneration: Biology and Therapy. Stem Cells International, 2017, 2017, 1-2. | 1.2 | 0 |
| 26 | Disease Modelling and Precision Medicine Using Canadian Cardiomyocytes. Canadian Journal of Cardiology, 2020, 36, 467-469. | 0.8 | 0 |