Jianyi Zhang,,, Faha

List of Publications by Year
in descending order

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224

papers

11,064

citations

22153

59

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38395

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230

all docs

230

docs citations

230

times ranked

10750

citing authors

#	Article	IF	Citations
1	MicroRNA-181c-5p modulates phagocytosis efficiency in bone marrow-derived macrophages. Inflammation Research, 2022, 71, 321-330.	4.0	3
2	Engineering of thick human functional myocardium via static stretching and electrical stimulation. IScience, 2022, 25, 103824.	4.1	8
3	Deletion of BACH1 Attenuates Atherosclerosis by Reducing Endothelial Inflammation. Circulation Research, 2022, 130, 1038-1055.	4.5	55
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	Cardiomyocyte Proliferation from Fetal- to Adult- and from Normal- to Hypertrophy and Failing Hearts. Biology, 2022, 11, 880.	2.8	10
6	Single Nucleus Transcriptomics: Apical Resection in Newborn Pigs Extends the Time Window of Cardiomyocyte Proliferation and Myocardial Regeneration. Circulation, 2022, 145, 1744-1747.	1.6	11
7	Angiopoietin-1 enhanced myocyte mitosis, engraftment, and the reparability of hiPSC-CMs for treatment of myocardial infarction. Cardiovascular Research, 2021, 117, 1578-1591.	3.8	20
8	Ablation of lncRNA <i>Miat</i> attenuates pathological hypertrophy and heart failure. Theranostics, 2021, 11, 7995-8007.	10.0	26
9	BACH1 recruits NANOG and histone H3 lysine 4 methyltransferase MLL/SET1 complexes to regulate enhancerâ€“promoter activity and maintains pluripotency. Nucleic Acids Research, 2021, 49, 1972-1986.	14.5	24
10	Thymosin Î²4 increases cardiac cell proliferation, cell engraftment, and the reparative potency of human induced-pluripotent stem cell-derived cardiomyocytes in a porcine model of acute myocardial infarction. Theranostics, 2021, 11, 7879-7895.	10.0	28
11	Changes in Cardiomyocyte Cell Cycle and Hypertrophic Growth During Fetal to Adult in Mammals. Journal of the American Heart Association, 2021, 10, e017839.	3.7	26
12	Engineering Human Cardiac Muscle Patch Constructs for Prevention of Post-infarction LV Remodeling. Frontiers in Cardiovascular Medicine, 2021, 8, 621781.	2.4	19
13	Fabrication and characterization of a thick, viable bi-layered stem cell-derived surrogate for future myocardial tissue regeneration. Biomedical Materials (Bristol), 2021, 16, 035007.	3.3	5
14	Cardiac Fibroblasts and Myocardial Regeneration. Frontiers in Bioengineering and Biotechnology, 2021, 9, 599928.	4.1	26
15	Small extracellular vesicles containing miR-486-5p promote angiogenesis after myocardial infarction in mice and nonhuman primates. Science Translational Medicine, 2021, 13, .	12.4	87
16	Nano-Medicine in the Cardiovascular System. Frontiers in Pharmacology, 2021, 12, 640182.	3.5	11
17	Layer-By-Layer Fabrication of Large and Thick Human Cardiac Muscle Patch Constructs With Superior Electrophysiological Properties. Frontiers in Cell and Developmental Biology, 2021, 9, 670504.	3.7	12
18	Inhibition of EZH2 primes the cardiac gene activation via removal of epigenetic repression during human direct cardiac reprogramming. Stem Cell Research, 2021, 53, 102365.	0.7	18

#	Article	IF	Citations
19	miR-199a Overexpression Enhances the Potency of Human Induced-Pluripotent Stem-Cellâ€“Derived Cardiomyocytes for Myocardial Repair. Frontiers in Pharmacology, 2021, 12, 673621.	3.5	12
20	Sam68 promotes hepatic gluconeogenesis via CRTC2. Nature Communications, 2021, 12, 3340.	12.8	12
21	Bioreactor Suspension Culture: Differentiation and Production of Cardiomyocyte Spheroids From Human Induced Pluripotent Stem Cells. Frontiers in Bioengineering and Biotechnology, 2021, 9, 674260.	4.1	7
22	Ablation of Sam68 in adult mice increases thermogenesis and energy expenditure. FASEB Journal, 2021, 35, e21772.	0.5	2
23	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
24	A Novel Human Long Noncoding RNA <i>SCDAL</i> Promotes Angiogenesis through SNF5â€Mediated GDF6 Expression. Advanced Science, 2021, 8, e2004629.	11.2	11
25	Editorial: Bioengineering and Biotechnology Approaches in Cardiovascular Sciences. Frontiers in Bioengineering and Biotechnology, 2021, 9, 746435.	4.1	0
26	A 3D Bioprinted In Vitro Model of Pulmonary Artery Atresia to Evaluate Endothelial Cell Response to Microenvironment. Advanced Healthcare Materials, 2021, 10, e2100968.	7.6	13
27	Nanomaterials for bioprinting: functionalization of tissue-specific bioinks. Essays in Biochemistry, 2021, 65, 429-439.	4.7	9
28	microRNA-377 Signaling Modulates Anticancer Drug-Induced Cardiotoxicity in Mice. Frontiers in Cardiovascular Medicine, 2021, 8, 737826.	2.4	5
29	Novel Mechanisms of Exosome-Mediated Phagocytosis of Dead Cells in Injured Heart. Circulation Research, 2021, 129, 1006-1020.	4.5	32
30	TT-10â€“loaded nanoparticles promote cardiomyocyte proliferation and cardiac repair in a mouse model of myocardial infarction. JCI Insight, 2021, 6, .	5.0	8
31	Efficient Protocols for Fabricating a Large Human Cardiac Muscle Patch from Human Induced Pluripotent Stem Cells. Methods in Molecular Biology, 2021, 2158, 187-197.	0.9	1
32	Basic and Translational Research in Cardiac Repair and Regeneration. Journal of the American College of Cardiology, 2021, 78, 2092-2105.	2.8	42
33	Layer-By-Layer Fabrication of Thicker and Larger Human Cardiac Muscle Patches for Cardiac Repair in Mice. Frontiers in Cardiovascular Medicine, 2021, 8, 800667.	2.4	6
34	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
35	Targeting exosomeâ€associated human antigen R attenuates fibrosis and inflammation in diabetic heart. FASEB Journal, 2020, 34, 2238-2251.	0.5	50
36	Bach1-induced suppression of angiogenesis is dependent on the BTB domain. EBioMedicine, 2020, 51, 102617.	6.1	22

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37	Analysis of mesenchymal stem cell proteomes in situ in the ischemic heart. Theranostics, 2020, 10, 11324-11338.	10.0	11
38	Apical Resection Prolongs the Cell Cycle Activity and Promotes Myocardial Regeneration After Left Ventricular Injury in Neonatal Pig. Circulation, 2020, 142, 913-916.	1.6	21
39	Exosomes secreted by hiPSC-derived cardiac cells improve recovery from myocardial infarction in swine. Science Translational Medicine, 2020, 12, .	12.4	112
40	Dexamethasone inhibits regeneration and causes ventricular aneurysm in the neonatal porcine heart after myocardial infarction. Journal of Molecular and Cellular Cardiology, 2020, 144, 15-23.	1.9	9
41	Single-Cell Transcriptomics. Circulation, 2020, 141, 1720-1723.	1.6	6
42	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
43	Creatine kinase rate constant in the human heart at 7T with 1D-ISIS/2D CSI localization. PLoS ONE, 2020, 15, e0229933.	2.5	4
44	In Situ Expansion, Differentiation, and Electromechanical Coupling of Human Cardiac Muscle in a 3D Bioprinted, Chambered Organoid. Circulation Research, 2020, 127, 207-224.	4.5	174
45	Stem Cellâ€“Derived Cardiomyocytes and Beta-Adrenergic Receptor Blockade in Duchenne Muscular DystrophyÂCardiomyopathy. Journal of the American College of Cardiology, 2020, 75, 1159-1174.	2.8	44
46	Utilization of Human Induced Pluripotent Stem Cells for Cardiac Repair. Frontiers in Cell and Developmental Biology, 2020, 8, 36.	3.7	20
47	DNA damage-free iPS cells exhibit potential to yield competent cardiomyocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H801-H815.	3.2	4
48	Myocardial protection by nanomaterials formulated with CHIR99021 and FGF1. JCI Insight, 2020, 5, .	5.0	15
49	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
50	Functionally Competent DNA Damage-Free Induced Pluripotent Stem Cellâ€“Derived Cardiomyocytes for Myocardial Repair. Circulation, 2019, 140, 520-522.	1.6	11
51	Maturation of three-dimensional, hiPSC-derived cardiomyocyte spheroids utilizing cyclic, uniaxial stretch and electrical stimulation. PLoS ONE, 2019, 14, e0219442.	2.5	67
52	Cardiac Patch-Based Therapies of Ischemic Heart Injuries. , 2019, , 141-171.		1
53	Sam68 impedes the recovery of arterial injury by augmenting inflammatory response. Journal of Molecular and Cellular Cardiology, 2019, 137, 82-92.	1.9	11
54	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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55	Scaffold-Free Bioprinter Utilizing Layer-By-Layer Printing of Cellular Spheroids. Micromachines, 2019, 10, 570.	2.9	19
56	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
57	Nanoscale Technologies for Prevention and Treatment of Heart Failure: Challenges and Opportunities. Chemical Reviews, 2019, 119, 11352-11390.	47.7	46
58	OBG â€like ATP ase 1 inhibition attenuates angiotensin II â€induced hypertrophic response in human ventricular myocytes via GSK â€3beta/betaâ€catenin signalling. Clinical and Experimental Pharmacology and Physiology, 2019, 46, 743-751.	1.9	9
59	HDAC inhibition induces autophagy and mitochondrial biogenesis to maintain mitochondrial homeostasis during cardiac ischemia/reperfusion injury. Journal of Molecular and Cellular Cardiology, 2019, 130, 36-48.	1.9	53
60	Bach1 regulates self-renewal and impedes mesendodermal differentiation of human embryonic stem cells. Science Advances, 2019, 5, eaau7887.	10.3	46
61	Assessing Stem Cell DNA Integrity for Cardiac Cell Therapy. Journal of Visualized Experiments, 2019, , .	0.3	2
62	Circulating myocardial microRNAs from infarcted hearts are carried in exosomes and mobilise bone marrow progenitor cells. Nature Communications, 2019, 10, 959.	12.8	147
63	Deciphering Role of Wnt Signalling in Cardiac Mesoderm and Cardiomyocyte Differentiation from Human iPSCs: Four-dimensional control of Wnt pathway for hiPSC-CMs differentiation. Scientific Reports, 2019, 9, 19389.	3.3	49
64	Direct <i>in vivo</i> application of induced pluripotent stem cells is feasible and can be safe. Theranostics, 2019, 9, 290-310.	10.0	22
65	Lack of Remuscularization Following Transplantation of Human Embryonic Stem Cell-Derived Cardiovascular Progenitor Cells in Infarcted Nonhuman Primates. Circulation Research, 2018, 122, 958-969.	4.5	120
66	CCND2 Overexpression Enhances the Regenerative Potency of Human Induced Pluripotent Stem Cellâ€"Derived Cardiomyocytes. Circulation Research, 2018, 122, 88-96.	4.5	113
67	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
68	VEGF nanoparticles repair the heart after myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H278-H284.	3.2	101
69	Big bottlenecks in cardiovascular tissue engineering. Communications Biology, 2018, 1, 199.	4.4	66
70	The prostaglandin H2 analog U-46619 improves the differentiation efficiency of human induced pluripotent stem cells into endothelial cells by activating both p38MAPK and ERK1/2 signaling pathways. Stem Cell Research and Therapy, 2018, 9, 313.	5.5	18
71	Human Leukocyte Antigen Class I and II Knockout Human Induced Pluripotent Stem Cellâ€"Derived Cells: Universal Donor for Cell Therapy. Journal of the American Heart Association, 2018, 7, e010239.	3.7	103
72	Relationship Between the Efficacy of Cardiac Cell Therapy and the Inhibition of Differentiation of Human iPSC-Derived Nonmyocyte Cardiac Cells Into Myofibroblast-Like Cells. Circulation Research, 2018, 123, 1313-1325.	4.5	7

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73	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
74	Effective Metabolic Approaches for the Energy Starved Failing Heart. Circulation Research, 2018, 123, 329-331.	4.5	5
75	Can We Engineer a Human Cardiac Patch for Therapy?. Circulation Research, 2018, 123, 244-265.	4.5	121
76	Early Regenerative Capacity in the Porcine Heart. Circulation, 2018, 138, 2798-2808.	1.6	192
77	Regenerative Potential of Neonatal Porcine Hearts. Circulation, 2018, 138, 2809-2816.	1.6	179
78	Transactivation domain of p53 regulates DNA repair and integrity in human iPS cells. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H512-H521.	3.2	9
79	Transplanted Mesenchymal Stem Cells Reduce Autophagic Flux in Infarcted Hearts via the Exosomal Transfer of miR-125b. Circulation Research, 2018, 123, 564-578.	4.5	200
80	From Microscale Devices to 3D Printing. Circulation Research, 2017, 120, 150-165.	4.5	71
81	Myocardial Tissue Engineering With Cells Derived From Human-Induced Pluripotent Stem Cells and a Native-Like, High-Resolution, 3-Dimensionally Printed Scaffold. Circulation Research, 2017, 120, 1318-1325.	4.5	254
82	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
83	Quantitative Proteomics and Immunohistochemistry Reveal Insights into Cellular and Molecular Processes in the Infarct Border Zone One Month after Myocardial Infarction. Journal of Proteome Research, 2017, 16, 2101-2112.	3.7	18
84	Lactate Promotes Synthetic Phenotype in Vascular Smooth Muscle Cells. Circulation Research, 2017, 121, 1251-1262.	4.5	87
85	Pathologic Stimulus Determines Lineage Commitment of Cardiac C-kit ⁺ Cells. Circulation, 2017, 136, 2359-2372.	1.6	20
86	Pluripotent Stem Cell Derived Cardiac Cells for Myocardial Repair. Journal of Visualized Experiments, 2017, , .	0.3	9
87	Overcoming the Roadblocks to Cardiac Cell Therapy Using Tissue Engineering. Journal of the American College of Cardiology, 2017, 70, 766-775.	2.8	82
88	Effect of densely ionizing radiation on cardiomyocyte differentiation from human-induced pluripotent stem cells. Physiological Reports, 2017, 5, e13308.	1.7	12
89	Differentiation and Use of Induced Pluripotent Stem Cells for Cardiovascular Therapy and Tissue Engineering. Cardiac and Vascular Biology, 2017, , 107-122.	0.2	1
90	The Transcription Factor Bach1 Suppresses the Developmental Angiogenesis of Zebrafish. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-10.	4.0	25

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91	Engineering human ventricular heart muscles based on a highly efficient system for purification of human pluripotent stem cell-derived ventricular cardiomyocytes. Stem Cell Research and Therapy, 2017, 8, 202.	5.5	31
92	Bach1 Induces Endothelial Cell Apoptosis and Cell-Cycle Arrest through ROS Generation. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-13.	4.0	49
93	2D Pulses using spatially dependent frequency sweeping. Magnetic Resonance in Medicine, 2016, 76, 1364-1374.	3.0	7
94	Functional engineered human cardiac patches prepared from nature's platform improve heart function after acute myocardial infarction. Biomaterials, 2016, 105, 52-65.	11.4	105
95	Distilling complexity to advance cardiac tissue engineering. Science Translational Medicine, 2016, 8, 342ps13.	12.4	138
96	Nox2 and Nox4 regulate self-renewal of murine induced-pluripotent stem cells. IUBMB Life, 2016, 68, 963-970.	3.4	16
97	Nox2 contributes to the arterial endothelial specification of mouse induced pluripotent stem cells by upregulating Notch signaling. Scientific Reports, 2016, 6, 33737.	3.3	16
98	Meeting Report for NIH 2016 Progenitor Cell Biology Consortium Cardiovascular Tissue Engineering 2016. Circulation Research, 2016, 119, 981-983.	4.5	1
99	Transmurally differentiated measurement of ATP hydrolysis rates in the in vivo porcine hearts. Magnetic Resonance in Medicine, 2016, 75, 1859-1866.	3.0	3
100	ATP sensitive K+ channels are critical for maintaining myocardial perfusion and high energy phosphates in the failing heart. Journal of Molecular and Cellular Cardiology, 2016, 92, 116-121.	1.9	16
101	A Large-Scale Investigation of Hypoxia-Preconditioned Allogeneic Mesenchymal Stem Cells for Myocardial Repair in Nonhuman Primates. Circulation Research, 2016, 118, 970-983.	4.5	154
102	Differentiation of Human Induced-Pluripotent Stem Cells into Smooth-Muscle Cells: Two Novel Protocols. PLoS ONE, 2016, 11, e0147155.	2.5	48
103	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
104	Current Perspectives on Methods for Administering Human Pluripotent Stem Cell-Derived Cells for Myocardial Repair. , 2016, , 297-308.		0
105	The Structural Basis of Functional Improvement in Response to Human Umbilical Cord Blood Stem Cell Transplantation in Hearts with Postinfarct LV Remodeling. Cell Transplantation, 2015, 24, 971-983.	2.5	12
106	Quantitative proteomics reveals differential regulation of protein expression in recipient myocardium after trilineage cardiovascular cell transplantation. Proteomics, 2015, 15, 2560-2567.	2.2	12
107	Early Detection of Myocardial Bioenergetic Deficits: A 9.4 Tesla Complete Non Invasive 31P MR Spectroscopy Study in Mice with Muscular Dystrophy. PLoS ONE, 2015, 10, e0135000.	2.5	11
108	Myocardial ATP hydrolysis rates in vivo: a porcine model of pressure overload-induced hypertrophy. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H450-H458.	3.2	14

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109	Cell Transplantation for Ischemic Heart Disease. , 2015, , 733-749.		0
110	Cardiac Repair in a Porcine Model of Acute Myocardial Infarction with Human Induced Pluripotent Stem Cell-Derived Cardiovascular Cells. Cell Stem Cell, 2015, 16, 102.	11.1	6
111	New Mass-Spectrometry-Compatible Degradable Surfactant for Tissue Proteomics. Journal of Proteome Research, 2015, 14, 1587-1599.	3.7	66
112	Derivation and High Engraftment of Patient-Specific Cardiomyocyte Sheet Using Induced Pluripotent Stem Cells Generated From Adult Cardiac Fibroblast. Circulation: Heart Failure, 2015, 8, 156-166.	3.9	81
113	Safety and efficacy of intracoronary hypoxia-preconditioned bone marrow mononuclear cell administration for acute myocardial infarction patients: The CHINA-AMI randomized controlled trial. International Journal of Cardiology, 2015, 184, 446-451.	1.7	37
114	Bach1 Represses Wnt/Î²-Catenin Signaling and Angiogenesis. Circulation Research, 2015, 117, 364-375.	4.5	113
115	The Mitochondrial Calcium Uniporter Selectively Matches Metabolic Output to Acute Contractile Stress in the Heart. Cell Reports, 2015, 12, 15-22.	6.4	284
116	Engineered Tissue Patch for Cardiac Cell Therapy. Current Treatment Options in Cardiovascular Medicine, 2015, 17, 399.	0.9	40
117	Functional Effects of a Tissue-Engineered Cardiac Patch From Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes in a Rat Infarct Model. Stem Cells Translational Medicine, 2015, 4, 1324-1332.	3.3	90
118	Fabrication of a Myocardial Patch with Cells Differentiated from Human-Induced Pluripotent Stem Cells. Methods in Molecular Biology, 2015, 1299, 103-114.	0.9	6
119	Intra-Myocardial Injection of Both Growth Factors and Heart Derived Sca-1+/CD31âˆ’ Cells Attenuates Post-MI LV Remodeling More Than Does Cell Transplantation Alone: Neither Intervention Enhances Functionally Significant Cardiomyocyte Regeneration. PLoS ONE, 2014, 9, e95247.	2.5	20
120	Functional Consequences of a Tissue-Engineered Myocardial Patch for Cardiac Repair in a Rat Infarct Model. Tissue Engineering - Part A, 2014, 20, 1325-1335.	3.1	77
121	Cardiac Repair in a Porcine Model of Acute Myocardial Infarction with Human Induced Pluripotent Stem Cell-Derived Cardiovascular Cells. Cell Stem Cell, 2014, 15, 750-761.	11.1	407
122	Synthetic Phosphopeptides Enable Quantitation of the Content and Function of the Four Phosphorylation States of Phospholamban in Cardiac Muscle. Journal of Biological Chemistry, 2014, 289, 29397-29405.	3.4	16
123	The influence of a spatiotemporal 3D environment on endothelial cell differentiation of human induced pluripotent stem cells. Biomaterials, 2014, 35, 3786-3793.	11.4	56
124	Acquisition of a Quantitative, Stoichiometrically Conserved Ratiometric Marker of Maturation Status in Stem Cell-Derived Cardiac Myocytes. Stem Cell Reports, 2014, 3, 594-605.	4.8	195
125	Myocytes Oxygenation and High Energy Phosphate Levels during Hypoxia. PLoS ONE, 2014, 9, e101317.	2.5	6
126	Patching the Heart. Circulation Research, 2013, 113, 922-932.	4.5	131

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127	Reduced expression of mitochondrial electron transport chain proteins from hibernating hearts relative to ischemic preconditioned hearts in the second window of protection. Journal of Molecular and Cellular Cardiology, 2013, 60, 90-96.	1.9	21
128	Effective Cardiac Myocyte Differentiation of Human Induced Pluripotent Stem Cells Requires VEGF. PLoS ONE, 2013, 8, e53764.	2.5	60
129	Thymosin Î²4 Increases the Potency of Transplanted Mesenchymal Stem Cells for Myocardial Repair. Circulation, 2013, 128, S32-41.	1.6	58
130	Functional Consequences of Human Induced Pluripotent Stem Cell Therapy. Circulation, 2013, 127, 997-1008.	1.6	101
131	Mechanisms of Cell Therapy for Clinical Investigations. Circulation, 2013, 128, 92-94.	1.6	8
132	Myocardial Regeneration. Progress in Molecular Biology and Translational Science, 2012, 111, 195-215.	1.7	4
133	Bioenergetic and Functional Consequences of Cellular Therapy. Circulation Research, 2012, 111, 455-468.	4.5	89
134	Cellular therapy promotes endogenous stem cell repair. Canadian Journal of Physiology and Pharmacology, 2012, 90, 1335-1344.	1.4	5
135	Satellite cell heterogeneity revealed by G-Tool, an open algorithm to quantify myogenesis through colony-forming assays. Skeletal Muscle, 2012, 2, 13.	4.2	11
136	Fetal Myocardium in the Kidney Capsule: An In Vivo Model of Repopulation of Myocytes by Bone Marrow Cells. PLoS ONE, 2012, 7, e31099.	2.5	0
137	Aging Kit Mutant Mice Develop Cardiomyopathy. PLoS ONE, 2012, 7, e33407.	2.5	16
138	Increased Angiogenesis and Improved Left Ventricular Function after Transplantation of Myoblasts Lacking the MyoD Gene into Infarcted Myocardium. PLoS ONE, 2012, 7, e41736.	2.5	13
139	Seamless networks of myocardial bioenergetics. Journal of Physiology, 2011, 589, 5013-5014.	2.9	1
140	Effect of Acute Xanthine Oxidase Inhibition on Myocardial Energetics During Basal and Very High Cardiac Workstates. Journal of Cardiovascular Translational Research, 2011, 4, 504-513.	2.4	10
141	A Fibrin Patch-Based Enhanced Delivery of Human Embryonic Stem Cell-Derived Vascular Cell Transplantation in a Porcine Model of Postinfarction Left Ventricular Remodeling. Stem Cells, 2011, 29, 367-375.	3.2	118
142	Getting to the Heart of Myocardial Stem Cells and Cell Therapy. Circulation, 2011, 123, 1771-1779.	1.6	43
143	ATP Production Rate via Creatine Kinase or ATP Synthase In Vivo. Circulation Research, 2011, 108, 653-663.	4.5	48
144	Long-term preservation of myocardial energetic in chronic hibernating myocardium. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H836-H844.	3.2	7

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145	Stem Cell Therapy for Ischemic Heart Disease. Antioxidants and Redox Signaling, 2010, 13, 1879-1897.	5.4	18
146	Long-term functional improvement and gene expression changes after bone marrow-derived multipotent progenitor cell transplantation in myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H1348-H1356.	3.2	37
147	Heart Failure Management: The Present and the Future. Antioxidants and Redox Signaling, 2009, 11, 1989-2010.	5.4	26
148	Stem Cells for Myocardial Repair With Use of a Transarterial Catheter. Circulation, 2009, 120, S238-46.	1.6	67
149	Experimentally observed phenomena on cardiac energetics in heart failure emerge from simulations of cardiac metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7143-7148.	7.1	66
150	Novel strategy for measuring creatine kinase reaction rate in the in vivo heart. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H1010-H1019.	3.2	17
151	Myocardial Energetics in Left Ventricular Hypertrophy. Current Cardiology Reviews, 2009, 5, 243-250.	1.5	23
152	Cell Transplantation for Ischemic Heart Disease. , 2009, , 613-629.		0
153	Emergent Critical Phenomena in the Evolution of Heart Failure. FASEB Journal, 2009, 23, 362.10.	0.5	0
154	Phosphate metabolite concentrations and ATP hydrolysis potential in normal and ischaemic hearts. Journal of Physiology, 2008, 586, 4193-4208.	2.9	102
155	Enhancing Efficacy of Stem Cell Transplantation to the Heart with a PEGylated Fibrin Biomatrix. Tissue Engineering - Part A, 2008, 14, 1025-1036.	3.1	128
156	Transmural distribution of metabolic abnormalities and glycolytic activity during dobutamine-induced demand ischemia. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H2680-H2686.	3.2	4
157	Relationships between regional myocardial wall stress and bioenergetics in hearts with left ventricular hypertrophy. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H2313-H2321.	3.2	24
158	Postnatal Stem Cells for Myocardial Repair. , 2008, , 221-262.		0
159	Bioenergetic and Functional Consequences of Bone Marrowâ€"Derived Multipotent Progenitor Cell Transplantation in Hearts With Postinfarction Left Ventricular Remodeling. Circulation, 2007, 115, 1866-1875.	1.6	248
160	Cellular Therapy for Myocardial Repair. Current Cardiology Reviews, 2007, 3, 121-135.	1.5	1
161	The energetic state within hibernating myocardium is normal during dobutamine despite inhibition of ATP-dependent potassium channel opening with glibenclamide. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H2945-H2951.	3.2	24
162	Functional and bioenergetic modulations in the infarct border zone following autologous mesenchymal stem cell transplantation. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H1772-H1780.	3.2	70

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163	Controlled Release of Stromal Cellâ€“Derived Factor-1alphaIn SituIncreases C-kit+Cell Homing to the Infarcted Heart. Tissue Engineering, 2007, 13, 2063-2071.	4.6	187
164	Multipotent adult progenitor cell transplantation increases vascularity and improves left ventricular function after myocardial infarction. Journal of Tissue Engineering and Regenerative Medicine, 2007, 1, 51-59.	2.7	68
165	The host immune response is essential for the beneficial effect of adult stem cells after myocardial ischemia. Experimental Hematology, 2007, 35, 682-690.	0.4	16
166	Xenotransplantation of Long-Term-Cultured Swine Bone Marrow-Derived Mesenchymal Stem Cells. Stem Cells, 2007, 25, 612-620.	3.2	77
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