

# Jianyi Zhang,, Faha

## List of Publications by Year in Descending Order

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**Version:** 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

217  
papers

8,176  
citations

53  
h-index

83  
g-index

230  
ext. papers

9,641  
ext. citations

8.1  
avg, IF

5.93  
L-index

#	Paper	IF	Citations
217	MicroRNA-181c-5p modulates phagocytosis efficiency in bone marrow-derived macrophages.. <i>Inflammation Research</i> , <b>2022</b> , 71, 321	7.2	0
216	Engineering of thick human functional myocardium via static stretching and electrical stimulation.. <i>IScience</i> , <b>2022</b> , 25, 103824	6.1	0
215	Remuscularization of Ventricular Infarcts Using the Existing Cardiac Cells <b>2022</b> , 51-78		
214	Deletion of BACH1 Attenuates Atherosclerosis by Reducing Endothelial Inflammation.. <i>Circulation Research</i> , <b>2022</b> , CIRCRESAHA121319540	15.7	1
213	Turning back the clock: A concise viewpoint of cardiomyocyte cell cycle activation for myocardial regeneration and repair. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2022</b> , 170, 15-21	5.8	0
212	Basic and Translational Research in Cardiac Repair and Regeneration: JACC State-of-the-Art Review. <i>Journal of the American College of Cardiology</i> , <b>2021</b> , 78, 2092-2105	15.1	3
211	Layer-By-Layer Fabrication of Thicker and Larger Human Cardiac Muscle Patches for Cardiac Repair in Mice.. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 800667	5.4	1
210	Novel Mechanisms of Exosome-Mediated Phagocytosis of Dead Cells in Injured Heart. <i>Circulation Research</i> , <b>2021</b> , 129, 1006-1020	15.7	8
209	TT-10-loaded nanoparticles promote cardiomyocyte proliferation and cardiac repair in a mouse model of myocardial infarction. <i>JCI Insight</i> , <b>2021</b> , 6,	9.9	2
208	Efficient Protocols for Fabricating a Large Human Cardiac Muscle Patch from Human Induced Pluripotent Stem Cells. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2158, 187-197	1.4	1
207	Small extracellular vesicles containing miR-486-5p promote angiogenesis after myocardial infarction in mice and nonhuman primates. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	21
206	Nano-Medicine in the Cardiovascular System. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 640182	5.6	3
205	Layer-By-Layer Fabrication of Large and Thick Human Cardiac Muscle Patch Constructs With Superior Electrophysiological Properties. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 670504	5.7	4
204	Inhibition of EZH2 primes the cardiac gene activation via removal of epigenetic repression during human direct cardiac reprogramming. <i>Stem Cell Research</i> , <b>2021</b> , 53, 102365	1.6	7
203	miR-199a Overexpression Enhances the Potency of Human Induced-Pluripotent Stem-Cell-Derived Cardiomyocytes for Myocardial Repair. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 673621	5.6	2
202	Sam68 promotes hepatic gluconeogenesis via CRTC2. <i>Nature Communications</i> , <b>2021</b> , 12, 3340	17.4	1
201	Bioreactor Suspension Culture: Differentiation and Production of Cardiomyocyte Spheroids From Human Induced Pluripotent Stem Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 674260	5.8	2

200	Angiopoietin-1 enhanced myocyte mitosis, engraftment, and the reparability of hiPSC-CMs for treatment of myocardial infarction. <i>Cardiovascular Research</i> , <b>2021</b> , 117, 1578-1591	9.9	11
199	Ablation of lncRNA attenuates pathological hypertrophy and heart failure. <i>Theranostics</i> , <b>2021</b> , 11, 7995-8007	8.0	4
198	BACH1 recruits NANOG and histone H3 lysine 4 methyltransferase MLL/SET1 complexes to regulate enhancer-promoter activity and maintains pluripotency. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, 1972-1986	7.9	9
197	Thymosin $\beta$ 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. <i>Theranostics</i> , <b>2021</b> , 11, 7879-7895	12.1	12
196	Changes in Cardiomyocyte Cell Cycle and Hypertrophic Growth During Fetal to Adult in Mammals. <i>Journal of the American Heart Association</i> , <b>2021</b> , 10, e017839	6	12
195	Engineering Human Cardiac Muscle Patch Constructs for Prevention of Post-infarction LV Remodeling. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 621781	5.4	6
194	Cardiac Fibroblasts and Myocardial Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 599928	5.8	7
193	Ablation of Sam68 in adult mice increases thermogenesis and energy expenditure. <i>FASEB Journal</i> , <b>2021</b> , 35, e21772	0.9	1
192	Cyclin D2 Overexpression Enhances the Efficacy of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes for Myocardial Repair in a Swine Model of Myocardial Infarction. <i>Circulation</i> , <b>2021</b> , 144, 210-228	16.7	18
191	A Novel Human Long Noncoding RNA SCDAL Promotes Angiogenesis through SNF5-Mediated GDF6 Expression. <i>Advanced Science</i> , <b>2021</b> , 8, e2004629	13.6	6
190	A 3D Bioprinted In Vitro Model of Pulmonary Artery Atresia to Evaluate Endothelial Cell Response to Microenvironment. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2100968	10.1	1
189	Nanomaterials for bioprinting: functionalization of tissue-specific bioinks. <i>Essays in Biochemistry</i> , <b>2021</b> , 65, 429-439	7.6	1
188	microRNA-377 Signaling Modulates Anticancer Drug-Induced Cardiotoxicity in Mice. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 737826	5.4	1
187	Dexamethasone inhibits regeneration and causes ventricular aneurysm in the neonatal porcine heart after myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2020</b> , 144, 15-23	5.8	2
186	CHIR99021 and fibroblast growth factor 1 enhance the regenerative potency of human cardiac muscle patch after myocardial infarction in mice. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2020</b> , 141, 1-10	5.8	21
185	Creatine kinase rate constant in the human heart at 7T with 1D-ISIS/2D CSI localization. <i>PLoS ONE</i> , <b>2020</b> , 15, e0229933	3.7	2
184	In Situ Expansion, Differentiation, and Electromechanical Coupling of Human Cardiac Muscle in a 3D Bioprinted, Chambered Organoid. <i>Circulation Research</i> , <b>2020</b> , 127, 207-224	15.7	74
183	Stem Cell-Derived Cardiomyocytes and Beta-Adrenergic Receptor Blockade in Duchenne Muscular Dystrophy-Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 75, 1159-1174	15.1	27

182	Utilization of Human Induced Pluripotent Stem Cells for Cardiac Repair. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 36	5.7	16
181	DNA damage-free iPS cells exhibit potential to yield competent cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2020</b> , 318, H801-H815	5.2	1
180	Myocardial protection by nanomaterials formulated with CHIR99021 and FGF1. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	10
179	Targeting exosome-associated human antigen R attenuates fibrosis and inflammation in diabetic heart. <i>FASEB Journal</i> , <b>2020</b> , 34, 2238-2251	0.9	23
178	Bach1-induced suppression of angiogenesis is dependent on the BTB domain. <i>EBioMedicine</i> , <b>2020</b> , 51, 102617	8.8	8
177	Analysis of mesenchymal stem cell proteomes in the ischemic heart. <i>Theranostics</i> , <b>2020</b> , 10, 11324-11338	2.1	3
176	Apical Resection Prolongs the Cell Cycle Activity and Promotes Myocardial Regeneration After Left Ventricular Injury in Neonatal Pig. <i>Circulation</i> , <b>2020</b> , 142, 913-916	16.7	4
175	Exosomes secreted by hiPSC-derived cardiac cells improve recovery from myocardial infarction in swine. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	43
174	N-cadherin overexpression enhances the reparative potency of human-induced pluripotent stem cell-derived cardiac myocytes in infarcted mouse hearts. <i>Cardiovascular Research</i> , <b>2020</b> , 116, 671-685	9.9	14
173	Fabrication and characterization of a thick, viable bi-layered stem cell-derived surrogate for future myocardial tissue regeneration. <i>Biomedical Materials (Bristol)</i> , <b>2020</b> ,	3.5	3
172	Scaffold-Free Bioprinter Utilizing Layer-By-Layer Printing of Cellular Spheroids. <i>Micromachines</i> , <b>2019</b> , 10,	3.3	10
171	Enhancing the Engraftment of Human Induced Pluripotent Stem Cell-derived Cardiomyocytes via a Transient Inhibition of Rho Kinase Activity. <i>Journal of Visualized Experiments</i> , <b>2019</b> ,	1.6	4
170	Nanoscale Technologies for Prevention and Treatment of Heart Failure: Challenges and Opportunities. <i>Chemical Reviews</i> , <b>2019</b> , 119, 11352-11390	68.1	24
169	OBG-like ATPase 1 inhibition attenuates angiotensin II-induced hypertrophic response in human ventricular myocytes via GSK-3beta/beta-catenin signalling. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2019</b> , 46, 743-751	3	4
168	HDAC inhibition induces autophagy and mitochondrial biogenesis to maintain mitochondrial homeostasis during cardiac ischemia/reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2019</b> , 130, 36-48	5.8	33
167	Bach1 regulates self-renewal and impedes mesendodermal differentiation of human embryonic stem cells. <i>Science Advances</i> , <b>2019</b> , 5, eaau7887	14.3	22
166	Assessing Stem Cell DNA Integrity for Cardiac Cell Therapy. <i>Journal of Visualized Experiments</i> , <b>2019</b> ,	1.6	2
165	Y-27632 preconditioning enhances transplantation of human-induced pluripotent stem cell-derived cardiomyocytes in myocardial infarction mice. <i>Cardiovascular Research</i> , <b>2019</b> , 115, 343-356	9.9	17

164	Functionally Competent DNA Damage-Free Induced Pluripotent Stem Cell-Derived Cardiomyocytes for Myocardial Repair. <i>Circulation</i> , <b>2019</b> , 140, 520-522	16.7	6
163	Maturation of three-dimensional, hiPSC-derived cardiomyocyte spheroids utilizing cyclic, uniaxial stretch and electrical stimulation. <i>PLoS ONE</i> , <b>2019</b> , 14, e0219442	3.7	34
162	Cardiac Patch-Based Therapies of Ischemic Heart Injuries <b>2019</b> , 141-171		1
161	Sam68 impedes the recovery of arterial injury by augmenting inflammatory response. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2019</b> , 137, 82-92	5.8	5
160	Cardiomyocytes from CCND2-overexpressing human induced-pluripotent stem cells repopulate the myocardial scar in mice: A 6-month study. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2019</b> , 137, 25-33	5.8	13
159	Circulating myocardial microRNAs from infarcted hearts are carried in exosomes and mobilise bone marrow progenitor cells. <i>Nature Communications</i> , <b>2019</b> , 10, 959	17.4	101
158	Deciphering Role of Wnt Signalling in Cardiac Mesoderm and Cardiomyocyte Differentiation from Human iPSCs: Four-dimensional control of Wnt pathway for hiPSC-CMs differentiation. <i>Scientific Reports</i> , <b>2019</b> , 9, 19389	4.9	19
157	Direct application of induced pluripotent stem cells is feasible and can be safe. <i>Theranostics</i> , <b>2019</b> , 9, 290-310	12.1	17
156	Lack of Remuscularization Following Transplantation of Human Embryonic Stem Cell-Derived Cardiovascular Progenitor Cells in Infarcted Nonhuman Primates. <i>Circulation Research</i> , <b>2018</b> , 122, 958-969	15.7	84
155	CCND2 Overexpression Enhances the Regenerative Potency of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes: Remuscularization of Injured Ventricle. <i>Circulation Research</i> , <b>2018</b> , 122, 88-96	15.7	78
154	Spheroids of cardiomyocytes derived from human-induced pluripotent stem cells improve recovery from myocardial injury in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2018</b> , 315, H327-H339	5.2	40
153	Effective Metabolic Approaches for the Energy Starved Failing Heart: Bioenergetic Resiliency via Redundancy or Something Else?. <i>Circulation Research</i> , <b>2018</b> , 123, 329-331	15.7	4
152	Can We Engineer a Human Cardiac Patch for Therapy?. <i>Circulation Research</i> , <b>2018</b> , 123, 244-265	15.7	90
151	Early Regenerative Capacity in the Porcine Heart. <i>Circulation</i> , <b>2018</b> , 138, 2798-2808	16.7	117
150	Regenerative Potential of Neonatal Porcine Hearts. <i>Circulation</i> , <b>2018</b> , 138, 2809-2816	16.7	110
149	Transactivation domain of p53 regulates DNA repair and integrity in human iPS cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2018</b> , 315, H512-H521	5.2	7
148	Transplanted Mesenchymal Stem Cells Reduce Autophagic Flux in Infarcted Hearts via the Exosomal Transfer of miR-125b. <i>Circulation Research</i> , <b>2018</b> , 123, 564-578	15.7	130
147	Large Cardiac Muscle Patches Engineered From Human Induced-Pluripotent Stem Cell-Derived Cardiac Cells Improve Recovery From Myocardial Infarction in Swine. <i>Circulation</i> , <b>2018</b> , 137, 1712-1730	16.7	207

146	VEGF nanoparticles repair the heart after myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2018</b> , 314, H278-H284	5.2	68
145	Big bottlenecks in cardiovascular tissue engineering. <i>Communications Biology</i> , <b>2018</b> , 1, 199	6.7	45
144	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. <i>Stem Cell Research and Therapy</i> , <b>2018</b> , 9, 313	8.3	13
143	Human Leukocyte Antigen Class I and II Knockout Human Induced Pluripotent Stem Cell-Derived Cells: Universal Donor for Cell Therapy. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7, e010239	6	57
142	Relationship Between the Efficacy of Cardiac Cell Therapy and the Inhibition of Differentiation of Human iPSC-Derived Nonmyocyte Cardiac Cells Into Myofibroblast-Like Cells. <i>Circulation Research</i> , <b>2018</b> , 123, 1313-1325	15.7	5
141	From Microscale Devices to 3D Printing: Advances in Fabrication of 3D Cardiovascular Tissues. <i>Circulation Research</i> , <b>2017</b> , 120, 150-165	15.7	61
140	Myocardial Tissue Engineering With Cells Derived From Human-Induced Pluripotent Stem Cells and a Native-Like, High-Resolution, 3-Dimensionally Printed Scaffold. <i>Circulation Research</i> , <b>2017</b> , 120, 1318-1325	15.7	187
139	Quantitative Proteomics and Immunohistochemistry Reveal Insights into Cellular and Molecular Processes in the Infarct Border Zone One Month after Myocardial Infarction. <i>Journal of Proteome Research</i> , <b>2017</b> , 16, 2101-2112	5.6	12
138	Lactate Promotes Synthetic Phenotype in Vascular Smooth Muscle Cells. <i>Circulation Research</i> , <b>2017</b> , 121, 1251-1262	15.7	52
137	Pathologic Stimulus Determines Lineage Commitment of Cardiac C-kit Cells. <i>Circulation</i> , <b>2017</b> , 136, 2359-2372	15.7	19
136	Engineering human ventricular heart muscles based on a highly efficient system for purification of human pluripotent stem cell-derived ventricular cardiomyocytes. <i>Stem Cell Research and Therapy</i> , <b>2017</b> , 8, 202	8.3	20
135	Pluripotent Stem Cell Derived Cardiac Cells for Myocardial Repair. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,	1.6	7
134	Overcoming the Roadblocks to Cardiac Cell Therapy Using Tissue Engineering. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 70, 766-775	15.1	67
133	Effect of densely ionizing radiation on cardiomyocyte differentiation from human-induced pluripotent stem cells. <i>Physiological Reports</i> , <b>2017</b> , 5, e13308	2.6	9
132	Differentiation and Use of Induced Pluripotent Stem Cells for Cardiovascular Therapy and Tissue Engineering. <i>Cardiac and Vascular Biology</i> , <b>2017</b> , 107-122	0.2	1
131	The Transcription Factor Bach1 Suppresses the Developmental Angiogenesis of Zebrafish. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2017</b> , 2017, 2143875	6.7	18
130	Distilling complexity to advance cardiac tissue engineering. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 342ps113	15.7	108
129	Nox2 and Nox4 regulate self-renewal of murine induced-pluripotent stem cells. <i>IUBMB Life</i> , <b>2016</b> , 68, 963-970	4.7	8

128	Nox2 contributes to the arterial endothelial specification of mouse induced pluripotent stem cells by upregulating Notch signaling. <i>Scientific Reports</i> , <b>2016</b> , 6, 33737	4.9	11
127	Transmurally differentiated measurement of ATP hydrolysis rates in the in vivo porcine hearts. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 75, 1859-66	4.4	2
126	ATP sensitive K(+) channels are critical for maintaining myocardial perfusion and high energy phosphates in the failing heart. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2016</b> , 92, 116-21	5.8	13
125	A Large-Scale Investigation of Hypoxia-Preconditioned Allogeneic Mesenchymal Stem Cells for Myocardial Repair in Nonhuman Primates: Paracrine Activity Without Remuscularization. <i>Circulation Research</i> , <b>2016</b> , 118, 970-83	15.7	116
124	Differentiation of Human Induced-Pluripotent Stem Cells into Smooth-Muscle Cells: Two Novel Protocols. <i>PLoS ONE</i> , <b>2016</b> , 11, e0147155	3.7	38
123	31P NMR 2D Mapping of Creatine Kinase Forward Flux Rate in Hearts with Postinfarction Left Ventricular Remodeling in Response to Cell Therapy. <i>PLoS ONE</i> , <b>2016</b> , 11, e0162149	3.7	3
122	Current Perspectives on Methods for Administering Human Pluripotent Stem Cell-Derived Cells for Myocardial Repair <b>2016</b> , 297-308		
121	Bach1 Induces Endothelial Cell Apoptosis and Cell-Cycle Arrest through ROS Generation. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2016</b> , 2016, 6234043	6.7	37
120	2D Pulses using spatially dependent frequency sweeping. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 76, 1364-1374	4.4	47
119	Functional engineered human cardiac patches prepared from nature® platform improve heart function after acute myocardial infarction. <i>Biomaterials</i> , <b>2016</b> , 105, 52-65	15.6	79
118	Derivation and high engraftment of patient-specific cardiomyocyte sheet using induced pluripotent stem cells generated from adult cardiac fibroblast. <i>Circulation: Heart Failure</i> , <b>2015</b> , 8, 156-66	7.6	65
117	Safety and efficacy of intracoronary hypoxia-preconditioned bone marrow mononuclear cell administration for acute myocardial infarction patients: The CHINA-AMI randomized controlled trial. <i>International Journal of Cardiology</i> , <b>2015</b> , 184, 446-451	3.2	29
116	Bach1 Represses Wnt/β-Catenin Signaling and Angiogenesis. <i>Circulation Research</i> , <b>2015</b> , 117, 364-375	15.7	78
115	The Mitochondrial Calcium Uniporter Selectively Matches Metabolic Output to Acute Contractile Stress in the Heart. <i>Cell Reports</i> , <b>2015</b> , 12, 15-22	10.6	214
114	Engineered Tissue Patch for Cardiac Cell Therapy. <i>Current Treatment Options in Cardiovascular Medicine</i> , <b>2015</b> , 17, 399	2.1	35
113	Functional Effects of a Tissue-Engineered Cardiac Patch From Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes in a Rat Infarct Model. <i>Stem Cells Translational Medicine</i> , <b>2015</b> , 4, 1324-32	6.9	71
112	The Structural Basis of Functional Improvement in Response to Human Umbilical Cord Blood Stem Cell Transplantation in Hearts With Postinfarct LV Remodeling. <i>Cell Transplantation</i> , <b>2015</b> , 24, 971-83	4	10
111	Quantitative proteomics reveals differential regulation of protein expression in recipient myocardium after trilineage cardiovascular cell transplantation. <i>Proteomics</i> , <b>2015</b> , 15, 2560-7	4.8	10

110	Early Detection of Myocardial Bioenergetic Deficits: A 9.4 Tesla Complete Non Invasive 31P MR Spectroscopy Study in Mice with Muscular Dystrophy. <i>PLoS ONE</i> , <b>2015</b> , 10, e0135000	3.7	6
109	Myocardial ATP hydrolysis rates in vivo: a porcine model of pressure overload-induced hypertrophy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2015</b> , 309, H450-8	5.2	11
108	Cell Transplantation for Ischemic Heart Disease <b>2015</b> , 733-749		
107	Cardiac Repair in a Porcine Model of Acute Myocardial Infarction with Human Induced Pluripotent Stem Cell-Derived Cardiovascular Cells. <i>Cell Stem Cell</i> , <b>2015</b> , 16, 102	18	3
106	New mass-spectrometry-compatible degradable surfactant for tissue proteomics. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 1587-99	5.6	48
105	Fabrication of a myocardial patch with cells differentiated from human-induced pluripotent stem cells. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1299, 103-14	1.4	4
104	Acquisition of a quantitative, stoichiometrically conserved ratiometric marker of maturation status in stem cell-derived cardiac myocytes. <i>Stem Cell Reports</i> , <b>2014</b> , 3, 594-605	8	130
103	Intra-myocardial injection of both growth factors and heart derived Sca-1+/CD31- cells attenuates post-MI LV remodeling more than does cell transplantation alone: neither intervention enhances functionally significant cardiomyocyte regeneration. <i>PLoS ONE</i> , <b>2014</b> , 9, e95247	3.7	17
102	Functional consequences of a tissue-engineered myocardial patch for cardiac repair in a rat infarct model. <i>Tissue Engineering - Part A</i> , <b>2014</b> , 20, 1325-35	3.9	69
101	Cardiac repair in a porcine model of acute myocardial infarction with human induced pluripotent stem cell-derived cardiovascular cells. <i>Cell Stem Cell</i> , <b>2014</b> , 15, 750-61	18	329
100	Synthetic phosphopeptides enable quantitation of the content and function of the four phosphorylation states of phospholamban in cardiac muscle. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 29397-405	5.4	8
99	The influence of a spatiotemporal 3D environment on endothelial cell differentiation of human induced pluripotent stem cells. <i>Biomaterials</i> , <b>2014</b> , 35, 3786-93	15.6	41
98	Myocytes oxygenation and high energy phosphate levels during hypoxia. <i>PLoS ONE</i> , <b>2014</b> , 9, e101317	3.7	6
97	Patching the heart: cardiac repair from within and outside. <i>Circulation Research</i> , <b>2013</b> , 113, 922-32	15.7	107
96	Reduced expression of mitochondrial electron transport chain proteins from hibernating hearts relative to ischemic preconditioned hearts in the second window of protection. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2013</b> , 60, 90-6	5.8	18
95	Effective cardiac myocyte differentiation of human induced pluripotent stem cells requires VEGF. <i>PLoS ONE</i> , <b>2013</b> , 8, e53764	3.7	53
94	Thymosin $\beta$ increases the potency of transplanted mesenchymal stem cells for myocardial repair. <i>Circulation</i> , <b>2013</b> , 128, S32-41	16.7	51
93	Functional consequences of human induced pluripotent stem cell therapy: myocardial ATP turnover rate in the in vivo swine heart with postinfarction remodeling. <i>Circulation</i> , <b>2013</b> , 127, 997-1008	16.7	87



92	Cellular therapy promotes endogenous stem cell repair. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2012</b> , 90, 1335-44	2.4	5
91	Satellite cell heterogeneity revealed by G-Tool, an open algorithm to quantify myogenesis through colony-forming assays. <i>Skeletal Muscle</i> , <b>2012</b> , 2, 13	5.1	8
90	Fetal myocardium in the kidney capsule: an in vivo model of repopulation of myocytes by bone marrow cells. <i>PLoS ONE</i> , <b>2012</b> , 7, e31099	3.7	
89	Myocardial regeneration: the role of progenitor cells derived from bone marrow and heart. <i>Progress in Molecular Biology and Translational Science</i> , <b>2012</b> , 111, 195-215	4	4
88	Bioenergetic and functional consequences of cellular therapy: activation of endogenous cardiovascular progenitor cells. <i>Circulation Research</i> , <b>2012</b> , 111, 455-68	15.7	74
87	Aging Kit mutant mice develop cardiomyopathy. <i>PLoS ONE</i> , <b>2012</b> , 7, e33407	3.7	14
86	Increased angiogenesis and improved left ventricular function after transplantation of myoblasts lacking the MyoD gene into infarcted myocardium. <i>PLoS ONE</i> , <b>2012</b> , 7, e41736	3.7	9
85	Seamless networks of myocardial bioenergetics. <i>Journal of Physiology</i> , <b>2011</b> , 589, 5013-4	3.9	1
84	Effect of acute xanthine oxidase inhibition on myocardial energetics during basal and very high cardiac workstates. <i>Journal of Cardiovascular Translational Research</i> , <b>2011</b> , 4, 504-13	3.3	5
83	A fibrin patch-based enhanced delivery of human embryonic stem cell-derived vascular cell transplantation in a porcine model of postinfarction left ventricular remodeling. <i>Stem Cells</i> , <b>2011</b> , 29, 367-75	5.8	102
82	Getting to the heart of myocardial stem cells and cell therapy. <i>Circulation</i> , <b>2011</b> , 123, 1771-9	16.7	38
81	ATP production rate via creatine kinase or ATP synthase in vivo: a novel superfast magnetization saturation transfer method. <i>Circulation Research</i> , <b>2011</b> , 108, 653-63	15.7	44
80	Long-term preservation of myocardial energetic in chronic hibernating myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 300, H836-44	5.2	6
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