Joseph C. Wu

List of Publications by Year
in descending order

333 papers	27,400 citations	5248 83 h-index	7718 150 g-index
345 all docs	345 docs citations	345 times ranked	30342 citing authors

#	Article	IF	Citations
1	Human-induced pluripotent stem cells in cardiovascular research: current approaches in cardiac differentiation, maturation strategies, and scalable production. Cardiovascular Research, 2022, 118, 20-36.	1.8	27
2	The role of metabolism in directed differentiation versus trans-differentiation of cardiomyocytes. Seminars in Cell and Developmental Biology, 2022, 122, 56-65.	2.3	7
3	Adverse effects of air pollutionâ€derived fine particulate matter on cardiovascular homeostasis and disease. Trends in Cardiovascular Medicine, 2022, 32, 487-498.	2.3	12
4	Heterozygous LMNA mutation-carrying iPSC lines from three cardiac laminopathy patients. Stem Cell Research, 2022, 59, 102657.	0.3	0
5	Generation of three iPSC lines from dilated cardiomyopathy patients carrying a pathogenic LMNA variant. Stem Cell Research, 2022, 59, 102638.	0.3	0
6	Cardiac reprogramming via chromatin remodeling by CRISPR activation. Molecular Therapy, 2022, 30, 6-7.	3.7	0
7	The use of new CRISPR tools in cardiovascular research and medicine. Nature Reviews Cardiology, 2022, 19, 505-521.	6.1	21
8	Vein to artery: the first arteriogenesis in the mammalian embryo. Cell Research, 2022, 32, 325-326.	5.7	0
9	New Insights Into the Molecular Underpinnings of LVNC. Circulation, 2022, 145, 603-605.	1.6	2
10	Activation of PDGFRA signaling contributes to filamin Câ€“related arrhythmogenic cardiomyopathy. Science Advances, 2022, 8, eabk0052.	4.7	12
11	Sex-Specific Cardiovascular Risks of Cancer and Its Therapies. Circulation Research, 2022, 130, 632-651.	2.0	29
12	Deconvoluting the Cells of the Human Heart with iPSC Technology: Cell Types, Protocols, and Uses. Current Cardiology Reports, 2022, 24, 487-496.	1.3	4
13	Innovations in Undergraduate Research Training Through Multisite Collaborative Programming: American Heart Association Summer Undergraduate Research Experience Syndicate. Journal of the American Heart Association, 2022, 11, e022380.	1.6	3
14	Population-based high-throughput toxicity screen of human iPSC-derived cardiomyocytes and neurons. Cell Reports, 2022, 39, 110643.	2.9	13
15	Progress in multicellular human cardiac organoids for clinical applications. Cell Stem Cell, 2022, 29, 503-514.	5.2	39
16	Ferroptosis of Pacemaker Cells in COVID-19. Circulation Research, 2022, 130, 978-980.	2.0	4
17	Generation of two iPSC lines from hypertrophic cardiomyopathy patients carrying MYBPC3 and PRKAG2 variants. Stem Cell Research, 2022, 61, 102774.	0.3	4
18	Utilization of induced pluripotent stem cells to model the molecular network regulating congenital heart disease. Cardiovascular Research, 2022, 118, 664-666.	1.8	1

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19	The effects of xeno-free cryopreservation on the contractile properties of human iPSC derived cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2022, 168, 107-114.	0.9	2
20	Modeling Effects of Immunosuppressive Drugs on Human Hearts Using Induced Pluripotent Stem Cellâ€"Derived Cardiac Organoids and Single-Cell RNA Sequencing. Circulation, 2022, 145, 1367-1369.	1.6	6
21	Generation of Embryonic Origin-Specific Vascular Smooth Muscle Cells from Human Induced Pluripotent Stem Cells. Methods in Molecular Biology, 2022, 2429, 233-246.	0.4	3
22	Nanocrown electrodes for parallel and robust intracellular recording of cardiomyocytes. Nature Communications, 2022, 13, 2253.	5.8	25
23	Cannabinoid receptor 1 antagonist genistein attenuates marijuana-induced vascular inflammation. Cell, 2022, 185, 1676-1693.e23.	13.5	40
24	Intersectionality and genetic ancestry: New methods to solve old problems. EBioMedicine, 2022, 80, 104049.	2.7	1
25	Cellular and Engineered Organoids for Cardiovascular Models. Circulation Research, 2022, 130, 1780-1802.	2.0	27
26	Modeling Susceptibility to Cardiotoxicity in Cancer Therapy Using Human iPSC-Derived Cardiac Cells and Systems Biology. Heart Failure Clinics, 2022, 18, 335-347.	1.0	1
27	KMT2D-NOTCH Mediates Coronary Abnormalities in Hypoplastic Left Heart Syndrome. Circulation Research, 2022, 131, 280-282.	2.0	3
28	Human induced pluripotent stem cells for studying mitochondrial diseases in the heart. FEBS Letters, 2022, 596, 1735-1745.	1.3	7
29	Shifting machine learning for healthcare from development to deployment and from models to data. Nature Biomedical Engineering, 2022, 6, 1330-1345.	11.6	69
30	Generation of human induced pluripotent stem cell lines carrying heterozygous PLN mutation from dilated cardiomyopathy patients. Stem Cell Research, 2022, 63, 102855.	0.3	3
31	Transcriptome analysis of non human primate-induced pluripotent stem cell-derived cardiomyocytes in 2D monolayer culture vs. 3D engineered heart tissue. Cardiovascular Research, 2021, 117, 2125-2136.	1.8	12
32	Human-induced pluripotent stem cells for modelling metabolic perturbations and impaired bioenergetics underlying cardiomyopathies. Cardiovascular Research, 2021, 117, 694-711.	1.8	10
33	Therapeutic genome editing in cardiovascular diseases. Advanced Drug Delivery Reviews, 2021, 168, 147-157.	6.6	23
34	Sanjiv Sam Gambhir, MD, PhD (1962-2020). Journal of Nuclear Cardiology, 2021, 28, 30-33.	1.4	0
35	Effects of Cryopreservation on Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes for Assessing Drug Safety Response Profiles. Stem Cell Reports, 2021, 16, 168-181.	2.3	10
36	CRISPRi/a Screening with Human iPSCs. Methods in Molecular Biology, 2021, 2320, 261-281.	0.4	13

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37	Race and Genetics in Congenital Heart Disease: Application of iPSCs, Omics, and Machine Learning Technologies. Frontiers in Cardiovascular Medicine, 2021, 8, 635280.	1.1	15
38	Air pollution exposure is linked with methylation of immunoregulatory genes, altered immune cell profiles, and increased blood pressure in children. Scientific Reports, 2021, 11, 4067.	1.6	46
39	Human Induced Pluripotent Stem Cells as a Screening Platform for Drug-Induced Vascular Toxicity. Frontiers in Pharmacology, 2021, 12, 613837.	1.6	6
40	Massive expansion and cryopreservation of functional human induced pluripotent stem cell-derived cardiomyocytes. STAR Protocols, 2021, 2, 100334.	0.5	24
41	Generation of Vascular Smooth Muscle Cells From Induced Pluripotent Stem Cells. Circulation Research, 2021, 128, 670-686.	2.0	35
42	Fabrication of 3D Cardiac Microtissue Arrays using Human iPSC-Derived Cardiomyocytes, Cardiac Fibroblasts, and Endothelial Cells. Journal of Visualized Experiments, 2021, , .	0.2	8
43	Clinical Trial in a Dish. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 1019-1031.	1.1	21
44	A call to action for new global approaches to cardiovascular disease drug solutions. European Heart Journal, 2021, 42, 1464-1475.	1.0	29
45	Method for selective ablation of undifferentiated human pluripotent stem cell populations for cell-based therapies. JCI Insight, 2021, 6, .	2.3	8
46	ALDH1A3 Coordinates Metabolism With Gene Regulation in Pulmonary Arterial Hypertension. Circulation, 2021, 143, 2074-2090.	1.6	34
47	Generation of two heterozygous MYBPC3 mutation-carrying human iPSC lines, SCVIi001-A and SCVIi002-A, for modeling hypertrophic cardiomyopathy. Stem Cell Research, 2021, 53, 102279.	0.3	5
48	Small-molecule probe reveals a kinase cascade that links stress signaling to TCF/LEF and Wnt responsiveness. Cell Chemical Biology, 2021, 28, 625-635.e5.	2.5	5
49	Generation of three induced pluripotent stem cell lines, SCVIi003-A, SCVIi004-A, SCVIi005-A, from patients with ARVD/C caused by heterozygous mutations in the PKP2 gene. Stem Cell Research, 2021, 53, 102284.	0.3	4
50	Pathogenic LMNA variants disrupt cardiac lamina-chromatin interactions and de-repress alternative fate genes. Cell Stem Cell, 2021, 28, 938-954.e9.	5.2	61
51	Human induced pluripotent stem cell-derived atrial cardiomyocytes carrying an SCN5A mutation identify nitric oxide signaling as a mediator of atrial fibrillation. Stem Cell Reports, 2021, 16, 1542-1554.	2.3	25
52	Macrophages: Potential Therapeutic Target of Myocardial Injury in COVID-19. Circulation Research, 2021, 129, 47-49.	2.0	2
53	Antitumor effects of iPSC-based cancer vaccine in pancreatic cancer. Stem Cell Reports, 2021, 16, 1468-1477.	2.3	26
54	A Call to Action for New Global Approaches to Cardiovascular Disease Drug Solutions. Circulation, 2021, 144, 159-169.	1.6	18

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55	Abstract 1334: CCR5 inhibitors enhance doxorubicin-induced breast cancer cell killing while reducing cardiotoxicity. , 2021, , .		0
56	Endocardial/endothelial angiocrines regulate cardiomyocyte development and maturation and induce features of ventricular non-compaction. European Heart Journal, 2021, 42, 4264-4276.	1.0	41
57	Generation of three heterozygous KCNH2 mutation-carrying human induced pluripotent stem cell lines for modeling LQT2 syndrome. Stem Cell Research, 2021, 54, 102402.	0.3	4
58	An inflammatory aging clock (iAge) based on deep learning tracks multimorbidity, immunosenescence, frailty and cardiovascular aging. Nature Aging, 2021, 1, 598-615.	5.3	202
59	Generation of three induced pluripotent stem cell lines from hypertrophic cardiomyopathy patients carrying MYH7 mutations. Stem Cell Research, 2021, 55, 102455.	0.3	2
60	Reconstructing the heart using iPSCs: Engineering strategies and applications. Journal of Molecular and Cellular Cardiology, 2021, 157, 56-65.	0.9	41
61	Leaders in Cardiovascular Research: Joseph C. Wu. Cardiovascular Research, 2021, 117, e126-e128.	1.8	1
62	Generation of three induced pluripotent stem cell lines (SCVIi014-A, SCVIi015-A, and SCVIi016-A) from patients with LQT1 caused by heterozygous mutations in the KCNQ1 gene. Stem Cell Research, 2021, 55, 102492.	0.3	0
63	Highlights from Stanford Drug Discovery Symposium 2021. Cardiovascular Research, 2021, 117, e132-e134.	1.8	0
64	Increased tissue stiffness triggers contractile dysfunction and telomere shortening in dystrophic cardiomyocytes. Stem Cell Reports, 2021, 16, 2169-2181.	2.3	23
65	Deciphering pathogenicity of variants of uncertain significance with CRISPR-edited iPSCs. Trends in Genetics, 2021, 37, 1109-1123.	2.9	14
66	Altered Cardiac Energetics and Mitochondrial Dysfunction in Hypertrophic Cardiomyopathy. Circulation, 2021, 144, 1714-1731.	1.6	90
67	Protocol to measure contraction, calcium, and action potential in human-induced pluripotent stem cell-derived cardiomyocytes. STAR Protocols, 2021, 2, 100859.	0.5	12
68	Basic and Translational Research in Cardiac Repair and Regeneration. Journal of the American College of Cardiology, 2021, 78, 2092-2105.	1.2	42
69	Generation of two induced pluripotent stem cell lines from Brugada syndrome affected patients carrying SCN5A mutations. Stem Cell Research, 2021, 57, 102605.	0.3	2
70	Generation of three induced pluripotent stem cell lines from hypertrophic cardiomyopathy patients carrying TNNI3 mutations. Stem Cell Research, 2021, 57, 102597.	0.3	1
71	Modeling Transposition of the Great Arteries with Patient-Specific Induced Pluripotent Stem Cells. International Journal of Molecular Sciences, 2021, 22, 13270.	1.8	3
72	Preoperative Computed Tomography Angiography Reveals Leaflet-Specific Calcification and Excursion Patterns in Aortic Stenosis. Circulation: Cardiovascular Imaging, 2021, 14, 1122-1132.	1.3	2

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73	Improving the engraftment and integration of cell transplantation for cardiac regeneration. Cardiovascular Research, 2020, 116, 473-475.	1.8	14
74	Reversible Mitochondrial Fragmentation in iPSC-Derived Cardiomyocytes From Children With DCMA, a Mitochondrial Cardiomyopathy. Canadian Journal of Cardiology, 2020, 36, 554-563.	0.8	27
75	Total Microfluidic chip for Multiplexed diagnostics (ToMMx). Biosensors and Bioelectronics, 2020, 150, 111930.	5.3	14
76	Immune biomarkers link air pollution exposure to blood pressure in adolescents. Environmental Health, 2020, 19, 108.	1.7	23
77	Intrinsic Endocardial Defects Contribute to Hypoplastic Left Heart Syndrome. Cell Stem Cell, 2020, 27, 574-589.e8.	5.2	89
78	Single-cell protein expression of hiPSC-derived cardiomyocytes using Single-Cell Westerns. Journal of Molecular and Cellular Cardiology, 2020, 149, 115-122.	0.9	5
79	COVID-19 and cardiovascular disease: from basic mechanisms to clinical perspectives. Nature Reviews Cardiology, 2020, 17, 543-558.	6.1	999
80	Primer on Biomarker Discovery in Cardio-Oncology. JACC: CardioOncology, 2020, 2, 379-384.	1.7	14
81	Clinical trial in a dish using iPSCs shows lovastatin improves endothelial dysfunction and cellular cross-talk in LMNA cardiomyopathy. Science Translational Medicine, 2020, 12, .	5.8	56
82	Modeling Secondary Iron Overload Cardiomyopathy with Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Cell Reports, 2020, 32, 107886.	2.9	27
83	Tumor Repressor Circular RNA as a New Target for Preventative Gene Therapy Against Doxorubicin-Induced Cardiotoxicity. Circulation Research, 2020, 127, 483-485.	2.0	5
84	Generation of Quiescent Cardiac Fibroblasts Derived from Human Induced Pluripotent Stem Cells. Methods in Molecular Biology, 2020, , 109-115.	0.4	7
85	Endogenous Retrovirus-Derived lncRNA BANCR Promotes Cardiomyocyte Migration in Humans and Non-human Primates. Developmental Cell, 2020, 54, 694-709.e9.	3.1	37
86	Metabolic Maturation Media Improve Physiological Function of Human iPSC-Derived Cardiomyocytes. Cell Reports, 2020, 32, 107925.	2.9	198
87	Induced pluripotent stem cells as a platform to understand patientâ€specific responses to opioids and anaesthetics. British Journal of Pharmacology, 2020, 177, 4581-4594.	2.7	7
88	An extracellular matrix paradox in myocardial scar formation. Signal Transduction and Targeted Therapy, 2020, 5, 151.	7.1	3
89	Atlas of Exosomal microRNAs Secreted From Human iPSC-Derived Cardiac Cell Types. Circulation, 2020, 142, 1794-1796.	1.6	17
90	A computational model of induced pluripotent stem-cell derived cardiomyocytes for high throughput risk stratification of KCNQ1 genetic variants. PLoS Computational Biology, 2020, 16, e1008109.	1.5	20

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91	Copy number variant hotspots in Han Taiwanese population induced pluripotent stem cell lines - lessons from establishing the Taiwan human disease iPSC Consortium Bank. Journal of Biomedical Science, 2020, 27, 92.	2.6	9
92	Single-Cell RNA Sequencing Unveils Unique Transcriptomic Signatures of Organ-Specific Endothelial Cells. Circulation, 2020, 142, 1848-1862.	1.6	157
93	Molecular Imaging of Infective Endocarditis With 6â€²â€²-[¹⁸ F]Fluoromaltotriose Positron Emission Tomographyâ€“Computed Tomography. Circulation, 2020, 141, 1729-1731.	1.6	9
94	Single-cell RNA sequencing in cardiovascular development, disease and medicine. Nature Reviews Cardiology, 2020, 17, 457-473.	6.1	174
95	Pharmacological Silencing of MicroRNA-152 Prevents Pressure Overloadâ€“Induced Heart Failure. Circulation: Heart Failure, 2020, 13, e006298.	1.6	15
96	Gut microbiota and cardiovascular disease: opportunities and challenges. Microbiome, 2020, 8, 36.	4.9	213
97	Wnt Activation and Reduced Cell-Cell Contact Synergistically Induce Massive Expansion of Functional Human iPSC-Derived Cardiomyocytes. Cell Stem Cell, 2020, 27, 50-63.e5.	5.2	112
98	Highâ€throughput Preparation of DNA, RNA, and Protein from Cryopreserved Human iPSCs for Multiâ€omics Analysis. Current Protocols in Stem Cell Biology, 2020, 54, e114.	3.0	2
99	RNA Sequencing Analysis of Induced Pluripotent Stem Cell-Derived Cardiomyocytes From Congenital Heart Disease Patients. Circulation Research, 2020, 126, 923-925.	2.0	17
100	Patient and Diseaseâ€“Specific Induced Pluripotent Stem Cells for Discovery of Personalized Cardiovascular Drugs and Therapeutics. Pharmacological Reviews, 2020, 72, 320-342.	7.1	121
101	Levitating Cells to Sort the Fit and the Fat. Advanced Biology, 2020, 4, 1900300.	3.0	15
102	Cardiovascular Risks in Patients with COVID-19: Potential Mechanisms and Areas of Uncertainty. Current Cardiology Reports, 2020, 22, 34.	1.3	51
103	Non-Invasive Photoacoustic Imaging of In Vivo Mice with Erythrocyte Derived Optical Nanoparticles to Detect CAD/MI. Scientific Reports, 2020, 10, 5983.	1.6	7
104	Simple Lithography-Free Single Cell Micropatterning using Laser-Cut Stencils. Journal of Visualized Experiments, 2020, , .	0.2	10
105	Molecular Signatures of Beneficial Class Effects of Statins on Human Induced Pluripotent Stem Cellâ€“Derived Cardiomyocytes. Circulation, 2020, 141, 1208-1210.	1.6	6
106	Using Bioengineered Bioluminescence to Track Stem Cell Transplantation In Vivo. Methods in Molecular Biology, 2020, 2126, 1-11.	0.4	3
107	Human pluripotent stem cells for cardiac regeneration. , 2020, , 245-257.		0
108	Progress, obstacles, and limitations in the use of stem cells in organ-on-a-chip models. Advanced Drug Delivery Reviews, 2019, 140, 3-11.	6.6	72

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109	Induced pluripotent stem cells as a novel cancer vaccine. Expert Opinion on Biological Therapy, 2019, 19, 1191-1197.	1.4	10
110	Activation of PDGF pathway links LMNA mutation to dilated cardiomyopathy. Nature, 2019, 572, 335-340.	13.7	136
111	Generation of Quiescent Cardiac Fibroblasts From Human Induced Pluripotent Stem Cells for In Vitro Modeling of Cardiac Fibrosis. Circulation Research, 2019, 125, 552-566.	2.0	101
112	A computational model of induced pluripotent stemâ€cell derived cardiomyocytes incorporating experimental variability from multiple data sources. Journal of Physiology, 2019, 597, 4533-4564.	1.3	87
113	Transcriptomic Profiling of the Developing Cardiac Conduction System at Single-Cell Resolution. Circulation Research, 2019, 125, 379-397.	2.0	120
114	Clinical Trial in a Dish: Personalized Stem Cellâ€“Derived Cardiomyocyte Assay Compared With Clinical Trial Results for Two <scp>QT</scp>â€Prolonging Drugs. Clinical and Translational Science, 2019, 12, 687-697.	1.5	42
115	Atheroprotective roles of smooth muscle cell phenotypic modulation and the TCF21 disease gene as revealed by single-cell analysis. Nature Medicine, 2019, 25, 1280-1289.	15.2	494
116	Generation of Endothelial Cells From Human Pluripotent Stem Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1317-1329.	1.1	67
117	Workshop Report. Circulation Research, 2019, 125, 855-867.	2.0	53
118	Effects of Spaceflight on Human Induced Pluripotent Stem Cell-Derived Cardiomyocyte Structure and Function. Stem Cell Reports, 2019, 13, 960-969.	2.3	62
119	Towards Precision Medicine With Human iPSCs for Cardiac Channelopathies. Circulation Research, 2019, 125, 653-658.	2.0	53
120	Use of Human Induced Pluripotent Stem Cellâ€“Derived Cardiomyocytes in Preclinical Cancer Drug Cardiotoxicity Testing: A Scientific Statement From the American Heart Association. Circulation Research, 2019, 125, e75-e92.	2.0	103
121	Myocardial viability of the peri-infarct region measured by T1 mapping post manganese-enhanced MRI correlates with LV dysfunction. International Journal of Cardiology, 2019, 281, 8-14.	0.8	2
122	Modeling Cardiovascular Risks of E-Cigarettes With Human-Induced Pluripotent Stem Cellâ€“Derived Endothelial Cells. Journal of the American College of Cardiology, 2019, 73, 2722-2737.	1.2	108
123	Modelling diastolic dysfunction in induced pluripotent stem cell-derived cardiomyocytes from hypertrophic cardiomyopathy patients. European Heart Journal, 2019, 40, 3685-3695.	1.0	100
124	Induced Pluripotent Stem Cell-Based Cancer Vaccines. Frontiers in Immunology, 2019, 10, 1510.	2.2	31
125	Single cell expression analysis reveals anatomical and cell cycle-dependent transcriptional shifts during heart development. Development (Cambridge), 2019, 146, .	1.2	71
126	RRAD mutation causes electrical and cytoskeletal defects in cardiomyocytes derived from a familial case of Brugada syndrome. European Heart Journal, 2019, 40, 3081-3094.	1.0	48

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127	Stanford Cardiovascular Institute. Circulation Research, 2019, 124, 1420-1424.	2.0	4
128	Using Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes asÂaÂModel to Study Trypanosoma cruzi Infection. Stem Cell Reports, 2019, 12, 1232-1241.	2.3	29
129	Proteasome-Dependent Regulation of Distinct Metabolic States During Long-Term Culture of Human iPSC-Derived Cardiomyocytes. Circulation Research, 2019, 125, 90-103.	2.0	52
130	The West coast regional safety pharmacology society meeting update: Filling translational gaps in safety assessment. Journal of Pharmacological and Toxicological Methods, 2019, 98, 106582.	0.3	2
131	Identifying the Transcriptome Signatures of Calcium Channel Blockers in Human Induced Pluripotent Stem Cellâ€"Derived Cardiomyocytes. Circulation Research, 2019, 125, 212-222.	2.0	27
132	Single-Cell RNA Sequencing of Human Embryonic Stem Cell Differentiation Delineates Adverse Effects of Nicotine on Embryonic Development. Stem Cell Reports, 2019, 12, 772-786.	2.3	47
133	A Human iPSC Double-Reporter System Enables Purification of Cardiac Lineage Subpopulations with Distinct Function and Drug Response Profiles. Cell Stem Cell, 2019, 24, 802-811.e5.	5.2	102
134	Human-Induced Pluripotent Stem Cell Model of Trastuzumab-Induced Cardiac Dysfunction in Patients With Breast Cancer. Circulation, 2019, 139, 2451-2465.	1.6	136
135	An orange calcium-modulated bioluminescent indicator for non-invasive activity imaging. Nature Chemical Biology, 2019, 15, 433-436.	3.9	37
136	Complex heritability in cardiomyopathy. Nature Biomedical Engineering, 2019, 3, 87-89.	11.6	1
137	Personalized medicine in cardio-oncology: the role of induced pluripotent stem cell. Cardiovascular Research, 2019, 115, 949-959.	1.8	38
138	Electronic Cigarettes. Journal of the American College of Cardiology, 2019, 74, 3121-3123.	1.2	5
139	Splice-Junction-Based Mapping of Alternative Isoforms in the Human Proteome. Cell Reports, 2019, 29, 3751-3765.e5.	2.9	64
140	Systems-Wide Approaches in Induced Pluripotent Stem Cell Models. Annual Review of Pathology: Mechanisms of Disease, 2019, 14, 395-419.	9.6	24
141	A Premature Termination Codon Mutation in MYBPC3 Causes Hypertrophic Cardiomyopathy via Chronic Activation of Nonsense-Mediated Decay. Circulation, 2019, 139, 799-811.	1.6	91
142	Cancer therapy-induced cardiomyopathy: can human induced pluripotent stem cell modelling help prevent it?. European Heart Journal, 2019, 40, 1764-1770.	1.0	21
143	A Combination of Itraconazole and Amiodarone Is Highly Effective against Trypanosoma cruzi Infection of Human Stem Cellâ€"Derived Cardiomyocytes. American Journal of Tropical Medicine and Hygiene, 2019, 101, 383-391.	0.6	16
144	Vismione B Interferes with Infection of Vero Cells and Human Stem Cell-Derived Cardiomyocytes. American Journal of Tropical Medicine and Hygiene, 2019, 101, 1359-1368.	0.6	6

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145	SETD7 Drives Cardiac Lineage Commitment through Stage-Specific Transcriptional Activation. Cell Stem Cell, 2018, 22, 428-444.e5.	5.2	38
146	Radiolabeled Duramycin. JACC: Cardiovascular Imaging, 2018, 11, 1834-1836.	2.3	5
147	Comparison of Non-human Primate versus Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes for Treatment of Myocardial Infarction. Stem Cell Reports, 2018, 10, 422-435.	2.3	49
148	Prolonged survival of transplanted stem cells after ischaemic injury via the slow release of pro-survival peptides from a collagen matrix. Nature Biomedical Engineering, 2018, 2, 104-113.	11.6	71
149	Autologous iPSC-Based Vaccines Elicit Anti-tumor Responses InÂVivo. Cell Stem Cell, 2018, 22, 501-513.e7.	5.2	125
150	Endothelial deletion of Ino80 disrupts coronary angiogenesis and causes congenital heart disease. Nature Communications, 2018, 9, 368.	5.8	71
151	Induced Pluripotent Stem Cells for Cardiovascular Disease Modeling and Precision Medicine: A Scientific Statement From the American Heart Association. Circulation Genomic and Precision Medicine, 2018, 11, e000043.	1.6	159
152	Mining Exosomal MicroRNAs from Human-Induced Pluripotent Stem Cells-Derived Cardiomyocytes for Cardiac Regeneration. Methods in Molecular Biology, 2018, 1733, 127-136.	0.4	11
153	Cardiac Cell Cycle Activation as a Strategy to Improve iPSC-Derived Cardiomyocyte Therapy. Circulation Research, 2018, 122, 14-16.	2.0	9
154	Cross-Site Reliability of Human Induced Pluripotent stem cell-derived Cardiomyocyte Based Safety Assays Using Microelectrode Arrays: Results from a Blinded CiPA Pilot Study. Toxicological Sciences, 2018, 164, 550-562.	1.4	90
155	Truncating Variants in NAA15 Are Associated with Variable Levels of Intellectual Disability, Autism Spectrum Disorder, and Congenital Anomalies. American Journal of Human Genetics, 2018, 102, 985-994.	2.6	59
156	Stage-specific Effects of Bioactive Lipids on Human iPSC Cardiac Differentiation and Cardiomyocyte Proliferation. Scientific Reports, 2018, 8, 6618.	1.6	32
157	Applications of genetically engineered human pluripotent stem cell reporters in cardiac stem cell biology. Current Opinion in Biotechnology, 2018, 52, 66-73.	3.3	6
158	Pluripotent Stem Cell-Derived Cardiomyocytes as a Platform for Cell Therapy Applications: Progress and Hurdles for Clinical Translation. Molecular Therapy, 2018, 26, 1624-1634.	3.7	63
159	Induced pluripotent stem cells as a biopharmaceutical factory for extracellular vesicles. European Heart Journal, 2018, 39, 1848-1850.	1.0	11
160	Modeling human diseases with induced pluripotent stem cells: from 2D to 3D and beyond. Development (Cambridge), 2018, 145, .	1.2	182
161	Passive Stretch Induces Structural and Functional Maturation of Engineered Heart Muscle as Predicted by Computational Modeling. Stem Cells, 2018, 36, 265-277.	1.4	111
162	Human Induced Pluripotent Stem Cell (hiPSC)-Derived Cells to Assess Drug Cardiotoxicity: Opportunities and Problems. Annual Review of Pharmacology and Toxicology, 2018, 58, 83-103.	4.2	89

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163	Use of human induced pluripotent stem cellâ€“derived cardiomyocytes to assess drug cardiotoxicity. Nature Protocols, 2018, 13, 3018-3041.	5.5	102
164	Big bottlenecks in cardiovascular tissue engineering. Communications Biology, 2018, 1, 199.	2.0	66
165	Defining human cardiac transcription factor hierarchies using integrated single-cell heterogeneity analysis. Nature Communications, 2018, 9, 4906.	5.8	147
166	From the BCVS Chair. Circulation Research, 2018, 123, 942-943.	2.0	0
167	240Mesenchymal stem cells transfected with minicircle-HIF-1a decreases LV adverse remodelling via release of cardioprotective miRNAs and pro-angiogenic factors. Cardiovascular Research, 2018, 114, S62-S62.	1.8	0
168	Universal intracellular biomolecule delivery with precise dosage control. Science Advances, 2018, 4, eaat8131.	4.7	95
169	Cytokines profile of reverse cardiac remodeling following transcatheter aortic valve replacement. International Journal of Cardiology, 2018, 270, 83-88.	0.8	12
170	Strategies for Improving the Maturity of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Circulation Research, 2018, 123, 512-514.	2.0	88
171	Telomere shortening is a hallmark of genetic cardiomyopathies. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9276-9281.	3.3	51
172	Disruption of mesoderm formation during cardiac differentiation due to developmental exposure to 13-cis-retinoic acid. Scientific Reports, 2018, 8, 12960.	1.6	19
173	Genome Editing of Induced PluripotentÂStem Cells to Decipher CardiacÂChannelopathy Variant. Journal of the American College of Cardiology, 2018, 72, 62-75.	1.2	94
174	Disease modelling and drug discovery for hypertrophic cardiomyopathy using pluripotent stem cells: how far have we come?. European Heart Journal, 2018, 39, 3893-3895.	1.0	13
175	Human Induced Pluripotent Stem Cellâ€“Derived Cardiomyocytes as Models for Cardiac Channelopathies. Circulation Research, 2018, 123, 224-243.	2.0	74
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