

Christine L Mummary

List of Publications by Year in Descending Order

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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.

292
papers

23,328
citations

80
h-index

146
g-index

330
ext. papers

26,618
ext. citations

9.6
avg, IF

6.84
L-index

#	Paper	IF	Citations
292	Microphysiological stem cell models of the human heart.. <i>Materials Today Bio</i> , 2022 , 14, 100259	9.9	
291	New guidelines for embryo and stem cell research. <i>Nature Reviews Molecular Cell Biology</i> , 2021 , 22, 773-784	17.4	0
290	Generation and genetic repair of two human induced pluripotent cell lines from patients with Epidermolysis Bullosa simplex and dilated cardiomyopathy associated with a heterozygous mutation in the translation initiation codon of KLHL24. <i>Stem Cell Research</i> , 2021 , 57, 102582	1.6	0
289	Generation, functional analysis and applications of isogenic three-dimensional self-aggregating cardiac microtissues from human pluripotent stem cells. <i>Nature Protocols</i> , 2021 , 16, 2213-2256	18.8	13
288	Generation of three human induced pluripotent stem cell lines, LUMCi024-A, LUMCi025-A, and LUMCi026-A, from two patients with combined oxidative phosphorylation deficiency 8 and a related control. <i>Stem Cell Research</i> , 2021 , 53, 102374	1.6	1
287	Heart defects recapitulated in human cardioids. <i>Cell Research</i> , 2021 , 31, 947-948	24.7	1
286	Targeting the K11.1 (hERG) channel with allosteric modulators. Synthesis and biological evaluation of three novel series of LUF7346 derivatives. <i>European Journal of Medicinal Chemistry</i> , 2021 , 212, 113033	6.8	3
285	Using Cardiovascular Cells from Human Pluripotent Stem Cells for COVID-19 Research: Why the Heart Fails. <i>Stem Cell Reports</i> , 2021 , 16, 385-397	8	13
284	Organs-on-chips: into the next decade. <i>Nature Reviews Drug Discovery</i> , 2021 , 20, 345-361	64.1	193
283	Mentorship in Science: Response to AlShebli et al., Nature Communications 2020. <i>Stem Cell Reports</i> , 2021 , 16, 1-2	8	2
282	CRISPR/Cas9-Mediated Introduction of Specific Heterozygous Mutations in Human Induced Pluripotent Stem Cells. <i>Methods in Molecular Biology</i> , 2021 , 1	1.4	0
281	Cardiac Tissues From Stem Cells: New Routes to Maturation and Cardiac Regeneration. <i>Circulation Research</i> , 2021 , 128, 775-801	15.7	9
280	Cartilage from human-induced pluripotent stem cells: comparison with neo-cartilage from chondrocytes and bone marrow mesenchymal stromal cells. <i>Cell and Tissue Research</i> , 2021 , 386, 309-320	4.2	2
279	Thresholds of Endoglin Expression in Endothelial Cells Explains Vascular Etiology in Hereditary Hemorrhagic Telangiectasia Type 1. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
278	Engineered 3D vessel-on-chip using hiPSC-derived endothelial- and vascular smooth muscle cells. <i>Stem Cell Reports</i> , 2021 , 16, 2159-2168	8	10
277	Engineered models of the human heart: Directions and challenges. <i>Stem Cell Reports</i> , 2021 , 16, 2049-2057	5.7	13
276	Rapid Prototyping of Organ-on-a-Chip Devices Using Maskless Photolithography.. <i>Micromachines</i> , 2021 , 13,	3.3	4

275	The Linkage Phase of the Polymorphism KCNH2-K897T Influences the Electrophysiological Phenotype in hiPSC Models of LQT2.. <i>Frontiers in Physiology</i> , 2021 , 12, 755642	4.6	0
274	Human-iPSC-Derived Cardiac Stromal Cells Enhance Maturation in 3D Cardiac Microtissues and Reveal Non-cardiomyocyte Contributions to Heart Disease. <i>Cell Stem Cell</i> , 2020 , 26, 862-879.e11	18	148
273	Blinded, Multicenter Evaluation of Drug-induced Changes in Contractility Using Human-induced Pluripotent Stem Cell-derived Cardiomyocytes. <i>Toxicological Sciences</i> , 2020 , 176, 103-123	4.4	24
272	Uncoupling DNA damage from chromatin damage to detoxify doxorubicin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 15182-15192	11.5	37
271	Generation and genetic repair of 2 iPSC clones from a patient bearing a heterozygous c.1120del18 mutation in the ACVRL1 gene leading to Hereditary Hemorrhagic Telangiectasia (HHT) type 2. <i>Stem Cell Research</i> , 2020 , 46, 101786	1.6	0
270	Generation and Functional Characterization of Monocytes and Macrophages Derived from Human Induced Pluripotent Stem Cells. <i>Current Protocols in Stem Cell Biology</i> , 2020 , 52, e108	2.8	13
269	A cardiomyocyte show of force: A fluorescent alpha-actinin reporter line sheds light on human cardiomyocyte contractility versus substrate stiffness. <i>Journal of Molecular and Cellular Cardiology</i> , 2020 , 141, 54-64	5.8	16
268	Cryopreservation of human pluripotent stem cell-derived cardiomyocytes is not detrimental to their molecular and functional properties. <i>Stem Cell Research</i> , 2020 , 43, 101698	1.6	17
267	Generation of two human induced pluripotent stem cell lines, LUMCi020-A and LUMCi021-A, from two patients with Catecholaminergic Polymorphic Ventricular Tachycardia carrying heterozygous mutations in the RYR2 gene. <i>Stem Cell Research</i> , 2020 , 45, 101764	1.6	1
266	In vitro modelling of alveolar repair at the air-liquid interface using alveolar epithelial cells derived from human induced pluripotent stem cells. <i>Scientific Reports</i> , 2020 , 10, 5499	4.9	16
265	Inherited cardiac diseases, pluripotent stem cells, and genome editing combined-the past, present, and future. <i>Stem Cells</i> , 2020 , 38, 174-186	5.8	15
264	Vascular Tumor Recapitulated in Endothelial Cells from hiPSCs Engineered to Express the Translocation. <i>Cell Reports Medicine</i> , 2020 , 1, 100153	18	1
263	Human Organs-on-Chips for Virology. <i>Trends in Microbiology</i> , 2020 , 28, 934-946	12.4	50
262	Isogenic Sets of hiPSC-CMs Harboring Distinct KCNH2 Mutations Differ Functionally and in Susceptibility to Drug-Induced Arrhythmias. <i>Stem Cell Reports</i> , 2020 , 15, 1127-1139	8	9
261	Reprogramming Urine-Derived Cells using Commercially Available Self-Replicative RNA and a Single Electroporation. <i>Current Protocols in Stem Cell Biology</i> , 2020 , 55, e124	2.8	5
260	. <i>Journal of Microelectromechanical Systems</i> , 2020 , 29, 881-887	2.5	14
259	Unlocking Personalized Biomedicine and Drug Discovery with Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes: Fit for Purpose or Forever Elusive?. <i>Annual Review of Pharmacology and Toxicology</i> , 2020 , 60, 529-551	17.9	16
258	Expandable human cardiovascular progenitors from stem cells for regenerating mouse heart after myocardial infarction. <i>Cardiovascular Research</i> , 2020 , 116, 545-553	9.9	7

257	Simultaneous measurement of excitation-contraction coupling parameters identifies mechanisms underlying contractile responses of hiPSC-derived cardiomyocytes. <i>Nature Communications</i> , 2019 , 10, 4325	17.4	26
256	Personalised organs-on-chips: functional testing for precision medicine. <i>Lab on A Chip</i> , 2019 , 19, 198-205	7.2	122
255	Scalable microphysiological system to model three-dimensional blood vessels. <i>APL Bioengineering</i> , 2019 , 3, 026105	6.6	31
254	Differentiation and Functional Comparison of Monocytes and Macrophages from hiPSCs with Peripheral Blood Derivatives. <i>Stem Cell Reports</i> , 2019 , 12, 1282-1297	8	40
253	Quantitative Analysis of Intracellular Ca Release and Contraction in hiPSC-Derived Vascular Smooth Muscle Cells. <i>Stem Cell Reports</i> , 2019 , 12, 647-656	8	11
252	Quantifying Ca signaling and contraction in vascular pericytes and smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 513, 112-118	3.4	5
251	Advanced in vitro models of vascular biology: Human induced pluripotent stem cells and organ-on-chip technology. <i>Advanced Drug Delivery Reviews</i> , 2019 , 140, 68-77	18.5	79
250	Closing the Mitochondrial Permeability Transition Pore in hiPSC-Derived Endothelial Cells Induces Glycocalyx Formation and Functional Maturation. <i>Stem Cell Reports</i> , 2019 , 13, 803-816	8	10
249	Building blocks for a European Organ-on-Chip roadmap. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2019 , 36, 481-492	4.3	23
248	Lymphoblast-derived hiPS cell lines generated from four individuals of a family of genetically unrelated parents and their female monozygotic twins. <i>Stem Cell Research</i> , 2019 , 41, 101654	1.6	1
247	Activation of both transforming growth factor- β and bone morphogenetic protein signalling pathways upon traumatic brain injury restrains pro-inflammatory and boosts tissue reparatory responses of reactive astrocytes and microglia. <i>Brain Communications</i> , 2019 , 1, fcz028	4.5	12
246	Inflammatory Responses and Barrier Function of Endothelial Cells Derived from Human Induced Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2018 , 10, 1642-1656	8	39
245	NKX2-5 regulates human cardiomyogenesis via a HEY2 dependent transcriptional network. <i>Nature Communications</i> , 2018 , 9, 1373	17.4	45
244	MUSCLEMOTION: A Versatile Open Software Tool to Quantify Cardiomyocyte and Cardiac Muscle Contraction In Vitro and In Vivo. <i>Circulation Research</i> , 2018 , 122, e5-e16	15.7	125
243	Squaramide-Based Supramolecular Materials for Three-Dimensional Cell Culture of Human Induced Pluripotent Stem Cells and Their Derivatives. <i>Biomacromolecules</i> , 2018 , 19, 1091-1099	6.9	24
242	Interpretation of field potentials measured on a multi electrode array in pharmacological toxicity screening on primary and human pluripotent stem cell-derived cardiomyocytes. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 497, 1135-1141	3.4	43
241	Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes in the Evaluation of Cardiotoxic Potential of Drugs 2018 , 173-194		1
240	The MicroRNA-371 Family as Plasma Biomarkers for Monitoring Undifferentiated and Potentially Malignant Human Pluripotent Stem Cells in Teratoma Assays. <i>Stem Cell Reports</i> , 2018 , 11, 1493-1505	8	17

239	Perspectives on the Use of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes in Biomedical Research. <i>Stem Cell Reports</i> , 2018 , 11, 1306-1311	8	34
238	Microfluidic Assay for the Assessment of Leukocyte Adhesion to Human Induced Pluripotent Stem Cell-derived Endothelial Cells (hiPSC-ECs). <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	4
237	Decreased Expression of Vascular Endothelial Growth Factor Receptor 1 Contributes to the Pathogenesis of Hereditary Hemorrhagic Telangiectasia Type 2. <i>Circulation</i> , 2018 , 138, 2698-2712	16.7	18
236	Quantification of Muscle Contraction In Vitro and In Vivo Using MUSCLEMOTION Software: From Stem Cell-Derived Cardiomyocytes to Zebrafish and Human Hearts. <i>Current Protocols in Human Genetics</i> , 2018 , 99, e67	3.2	5
235	Three-dimensional cardiac microtissues composed of cardiomyocytes and endothelial cells co-differentiated from human pluripotent stem cells. <i>Development (Cambridge)</i> , 2017 , 144, 1008-1017	6.6	155
234	Differentiation-Defective Human Induced Pluripotent Stem Cells Reveal Strengths and Limitations of the Teratoma Assay and In Vitro Pluripotency Assays. <i>Stem Cell Reports</i> , 2017 , 8, 1340-1353	8	22
233	DNA methylation and transcriptional trajectories during human development and reprogramming of isogenic pluripotent stem cells. <i>Nature Communications</i> , 2017 , 8, 908	17.4	37
232	Co-Differentiation of Human Pluripotent Stem Cells-Derived Cardiomyocytes and Endothelial Cells from Cardiac Mesoderm Provides a Three-Dimensional Model of Cardiac Microtissue. <i>Current Protocols in Human Genetics</i> , 2017 , 95, 21.9.1-21.9.22	3.2	14
231	Subtype-specific promoter-driven action potential imaging for precise disease modelling and drug testing in hiPSC-derived cardiomyocytes. <i>European Heart Journal</i> , 2017 , 38, 292-301	9.5	49
230	FANTOM5 CAGE profiles of human and mouse samples. <i>Scientific Data</i> , 2017 , 4, 170112	8.2	88
229	Human pluripotent stem cell models of cardiac disease: from mechanisms to therapies. <i>DMM Disease Models and Mechanisms</i> , 2017 , 10, 1039-1059	4.1	52
228	Electrophysiological Analysis of human Pluripotent Stem Cell-derived Cardiomyocytes (hPSC-CMs) Using Multi-electrode Arrays (MEAs). <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	20
227	Regenerative medicine funding policies in Europe and The Netherlands. <i>Npj Regenerative Medicine</i> , 2017 , 2, 1	15.8	13
226	A COUP-TFII Human Embryonic Stem Cell Reporter Line to Identify and Select Atrial Cardiomyocytes. <i>Stem Cell Reports</i> , 2017 , 9, 1765-1779	8	30
225	Human Pluripotent Stem Cell Differentiation into Functional Epicardial Progenitor Cells. <i>Stem Cell Reports</i> , 2017 , 9, 1754-1764	8	39
224	CCN2 reduction mediates protective effects of BMP7 treatment in obstructive nephropathy. <i>Journal of Cell Communication and Signaling</i> , 2017 , 11, 39-48	5.2	5
223	Integrating cardiomyocytes from human pluripotent stem cells in safety pharmacology: has the time come?. <i>British Journal of Pharmacology</i> , 2017 , 174, 3749-3765	8.6	82
222	Small molecule absorption by PDMS in the context of drug response bioassays. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 482, 323-328	3.4	209

221	Integrating cardiomyocytes from human pluripotent stem cells in safety pharmacology: has the time come? 2017 , 174, 3749		1
220	Z-disc protein CHAPb induces cardiomyopathy and contractile dysfunction in the postnatal heart. <i>PLoS ONE</i> , 2017 , 12, e0189139	3.7	7
219	Concise Review: Measuring Physiological Responses of Human Pluripotent Stem Cell Derived Cardiomyocytes to Drugs and Disease. <i>Stem Cells</i> , 2016 , 34, 2008-15	5.8	54
218	Inherited heart disease - what can we expect from the second decade of human iPS cell research?. <i>FEBS Letters</i> , 2016 , 590, 2482-93	3.8	28
217	A comprehensive gene expression analysis at sequential stages of in vitro cardiac differentiation from isolated MESP1-expressing-mesoderm progenitors. <i>Scientific Reports</i> , 2016 , 6, 19386	4.9	36
216	Readthrough-Promoting Drugs Gentamicin and PTC124 Fail to Rescue Nav1.5 Function of Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes Carrying Nonsense Mutations in the Sodium Channel Gene SCN5A. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016 , 9,	6.4	20
215	Fabrication and Characterization of an Upside-Down Carbon Nanotube Microelectrode Array. <i>IEEE Sensors Journal</i> , 2016 , 16, 8685-8691	4	6
214	BMP and Hedgehog Regulate Distinct AGM Hematopoietic Stem Cells Ex Vivo. <i>Stem Cell Reports</i> , 2016 , 6, 383-95	8	25
213	The composition and differentiation potential of the duodenal intraepithelial innate lymphocyte compartment is altered in coeliac disease. <i>Gut</i> , 2016 , 65, 1269-78	19.2	25
212	Interaction Between ALK1 Signaling and Connexin40 in the Development of Arteriovenous Malformations. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 707-17	9.4	19
211	The avian embryo to study development of the cardiac conduction system. <i>Differentiation</i> , 2016 , 91, 90-103	3.5	5
210	Voices of biotech. <i>Nature Biotechnology</i> , 2016 , 34, 270-5	44.5	3
209	BMP-SMAD Signaling Regulates Lineage Priming, but Is Dispensable for Self-Renewal in Mouse Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2016 , 6, 85-94	8	20
208	Differentiation of Human Pluripotent Stem Cells to Cardiomyocytes Under Defined Conditions. <i>Methods in Molecular Biology</i> , 2016 , 1353, 163-80	1.4	38
207	Cytostretch, an Organ-on-Chip Platform. <i>Micromachines</i> , 2016 , 7,	3.3	25
206	TECRL, a new life-threatening inherited arrhythmia gene associated with overlapping clinical features of both LQTS and CPVT. <i>EMBO Molecular Medicine</i> , 2016 , 8, 1390-1408	12	68
205	A new hERG allosteric modulator rescues genetic and drug-induced long-QT syndrome phenotypes in cardiomyocytes from isogenic pairs of patient induced pluripotent stem cells. <i>EMBO Molecular Medicine</i> , 2016 , 8, 1065-81	12	66
204	Stem cells: The cancer's gone, but did chemotherapy damage your heart?. <i>Nature Reviews Cardiology</i> , 2016 , 13, 383-4	14.8	11

203	Complex Tissue and Disease Modeling using hiPSCs. <i>Cell Stem Cell</i> , 2016 , 18, 309-21	18	99
202	SnapShot: Key Advances in hiPSC Disease Modeling. <i>Cell Stem Cell</i> , 2016 , 18, 422	18	5
201	Position Paper of the European Society of Cardiology Working Group Cellular Biology of the Heart: cell-based therapies for myocardial repair and regeneration in ischemic heart disease and heart failure. <i>European Heart Journal</i> , 2016 , 37, 1789-98	9.5	163
200	What Endothelial Cells from Patient iPSCs Can Tell Us about Aortic Valve Disease. <i>Cell Stem Cell</i> , 2015 , 16, 455-7	18	2
199	Expansion and patterning of cardiovascular progenitors derived from human pluripotent stem cells. <i>Nature Biotechnology</i> , 2015 , 33, 970-9	44.5	137
198	Modelling sarcomeric cardiomyopathies in the dish: from human heart samples to iPSC cardiomyocytes. <i>Cardiovascular Research</i> , 2015 , 105, 424-38	9.9	56
197	What if stem cells turn into embryos in a dish?. <i>Nature Methods</i> , 2015 , 12, 917-9	21.6	50
196	Contractile Defect Caused by Mutation in MYBPC3 Revealed under Conditions Optimized for Human PSC-Cardiomyocyte Function. <i>Cell Reports</i> , 2015 , 13, 733-745	10.6	119
195	Transcriptome of human foetal heart compared with cardiomyocytes from pluripotent stem cells. <i>Development (Cambridge)</i> , 2015 , 142, 3231-8	6.6	102
194	Reply to Christ et al.: LQT1 and JLNS phenotypes in hiPSC-derived cardiomyocytes are due to KCNQ1 mutations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E1969	11.5	4
193	BMP signalling differentially regulates distinct haematopoietic stem cell types. <i>Nature Communications</i> , 2015 , 6, 8040	17.4	48
192	Dual reporter MESP1 mCherry/w-NKX2-5 eGFP/w hESCs enable studying early human cardiac differentiation. <i>Stem Cells</i> , 2015 , 33, 56-67	5.8	53
191	Advantages of the avian model for human ovarian cancer. <i>Molecular and Clinical Oncology</i> , 2015 , 3, 1191-1198	16.98	4
190	Atrial-like cardiomyocytes from human pluripotent stem cells are a robust preclinical model for assessing atrial-selective pharmacology. <i>EMBO Molecular Medicine</i> , 2015 , 7, 394-410	12	212
189	Altered calcium handling and increased contraction force in human embryonic stem cell derived cardiomyocytes following short term dexamethasone exposure. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 467, 998-1005	3.4	20
188	Induced Pluripotent Stem Cells to Model Human Fibrodysplasia Ossificans Progressiva. <i>Stem Cell Reports</i> , 2015 , 5, 963-970	8	49
187	KeyGenes, a Tool to Probe Tissue Differentiation Using a Human Fetal Transcriptional Atlas. <i>Stem Cell Reports</i> , 2015 , 4, 1112-24	8	78
186	The Promise and Potential of Organs-on-Chips as Preclinical Models. <i>Applied in Vitro Toxicology</i> , 2015 , 1, 235-242	1.3	5

185	Functional maturation of human pluripotent stem cell derived cardiomyocytes in vitro--correlation between contraction force and electrophysiology. <i>Biomaterials</i> , 2015 , 51, 138-150	15.6	144
184	Pluripotent stem cell derived cardiovascular progenitors--a developmental perspective. <i>Developmental Biology</i> , 2015 , 400, 169-79	3.1	36
183	Immaturity of human stem-cell-derived cardiomyocytes in culture: fatal flaw or soluble problem?. <i>Stem Cells and Development</i> , 2015 , 24, 1035-52	4.4	182
182	A promoter-level mammalian expression atlas. <i>Nature</i> , 2014 , 507, 462-70	50.4	1301
181	Functionality of endothelial cells and pericytes from human pluripotent stem cells demonstrated in cultured vascular plexus and zebrafish xenografts. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 177-86	9.4	147
180	Cell replacement therapies: is it time to reprogram?. <i>Human Gene Therapy</i> , 2014 , 25, 866-74	4.8	5
179	BMP4 promotes EMT and mesodermal commitment in human embryonic stem cells via SLUG and MSX2. <i>Stem Cells</i> , 2014 , 32, 636-48	5.8	58
178	Strategies for rapidly mapping proviral integration sites and assessing cardiogenic potential of nascent human induced pluripotent stem cell clones. <i>Experimental Cell Research</i> , 2014 , 327, 297-306	4.2	11
177	Generation, expansion and functional analysis of endothelial cells and pericytes derived from human pluripotent stem cells. <i>Nature Protocols</i> , 2014 , 9, 1514-31	18.8	213
176	Differentiation in Early Development 2014 , 121-139		2
175	A case for crowd sourcing in stem cell research. <i>Stem Cells Translational Medicine</i> , 2014 , 3, 1259-61	6.9	1
174	Serum supplemented culture medium masks hypertrophic phenotypes in human pluripotent stem cell derived cardiomyocytes. <i>Journal of Cellular and Molecular Medicine</i> , 2014 , 18, 1509-18	5.6	45
173	Recessive cardiac phenotypes in induced pluripotent stem cell models of Jervell and Lange-Nielsen syndrome: disease mechanisms and pharmacological rescue. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E5383-92	11.5	119
172	Lymphangiogenesis and angiogenesis during human fetal pancreas development. <i>Vascular Cell</i> , 2014 , 6, 22	1	12
171	Myocardial tissue engineering: in vitro models. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2014 , 4,	5.4	80
170	SIRPA, VCAM1 and CD34 identify discrete lineages during early human cardiovascular development. <i>Stem Cell Research</i> , 2014 , 13, 172-9	1.6	48
169	ENDOGLIN is dispensable for vasculogenesis, but required for vascular endothelial growth factor-induced angiogenesis. <i>PLoS ONE</i> , 2014 , 9, e86273	3.7	47
168	Assessment of functional competence of endothelial cells from human pluripotent stem cells in zebrafish embryos. <i>Methods in Molecular Biology</i> , 2014 , 1213, 107-19	1.4	1

167	Conversion of mature human β cells into glucagon-producing β cells. <i>Diabetes</i> , 2013 , 62, 2471-80	0.9	97
166	Regulation of stem cell therapies under attack in Europe: for whom the bell tolls. <i>EMBO Journal</i> , 2013 , 32, 1489-95	13	72
165	Isogenic human pluripotent stem cell pairs reveal the role of a KCNH2 mutation in long-QT syndrome. <i>EMBO Journal</i> , 2013 , 32, 3161-75	13	145
164	Model systems for cardiovascular regenerative biology. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2013 , 3, a014019	5.4	22
163	Direct cardiomyocyte reprogramming: a new direction for cardiovascular regenerative medicine. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2013 , 3, a014050	5.4	19
162	Pluripotent stem cell models of human heart disease. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2013 , 3,	5.4	61
161	PGC-1 α and reactive oxygen species regulate human embryonic stem cell-derived cardiomyocyte function. <i>Stem Cell Reports</i> , 2013 , 1, 560-74	8	55
160	Generation of induced pluripotent stem cells from human foetal fibroblasts using the Sleeping Beauty transposon gene delivery system. <i>Differentiation</i> , 2013 , 86, 30-7	3.5	38
159	Differentiation in Early Development 2013 , 139-154		1
158	Is heart regeneration on the right track?. <i>Nature Medicine</i> , 2013 , 19, 412-3	50.5	14
157	Three-dimensional co-cultures of human endothelial cells and embryonic stem cell-derived pericytes inside a microfluidic device. <i>Lab on A Chip</i> , 2013 , 13, 3562-8	7.2	117
156	From stealing fire to cellular reprogramming: a scientific history leading to the 2012 Nobel Prize. <i>Stem Cell Reports</i> , 2013 , 1, 5-17	8	14
155	Proteomic analysis of stem cell differentiation and early development. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012 , 4,	10.2	19
154	Induced pluripotent stem cells: the new patient?. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 713-26	18.7	323
153	Stalk cell phenotype depends on integration of Notch and Smad1/5 signaling cascades. <i>Developmental Cell</i> , 2012 , 22, 501-14	10.2	166
152	Tbx6 is a determinant of cardiac and neural cell fate decisions in multipotent P19CL6 cells. <i>Differentiation</i> , 2012 , 84, 176-84	3.5	6
151	Cardiomyocyte Differentiation of Human Pluripotent Stem Cells 2012 , 413-431		1
150	Induced pluripotent stem cell derived cardiomyocytes as models for cardiac arrhythmias. <i>Frontiers in Physiology</i> , 2012 , 3, 346	4.6	134

149	Activation of the canonical bone morphogenetic protein (BMP) pathway during lung morphogenesis and adult lung tissue repair. <i>PLoS ONE</i> , 2012 , 7, e41460	3.7	41
148	Differentiation of human embryonic stem cells and induced pluripotent stem cells to cardiomyocytes: a methods overview. <i>Circulation Research</i> , 2012 , 111, 344-58	15.7	486
147	Cardiomyocytes derived from pluripotent stem cells recapitulate electrophysiological characteristics of an overlap syndrome of cardiac sodium channel disease. <i>Circulation</i> , 2012 , 125, 3079-91	16.7	200
146	Cardiac safety pharmacology: from human ether-a-gogo related gene channel block towards induced pluripotent stem cell based disease models. <i>Expert Opinion on Drug Safety</i> , 2012 , 11, 285-98	4.1	27
145	Genetically Engineered Mesenchymal Stem Cells Influence Gene Expression in Donor Cardiomyocytes and the Recipient Heart. <i>Journal of Stem Cell Research & Therapy</i> , 2012 , S1,	1	18
144	NKX2-5(eGFP/w) hESCs for isolation of human cardiac progenitors and cardiomyocytes. <i>Nature Methods</i> , 2011 , 8, 1037-40	21.6	321
143	Induced pluripotent stem cells--a cautionary note. <i>New England Journal of Medicine</i> , 2011 , 364, 2160-2	59.2	48
142	Pluripotent stem cell models of cardiac disease and their implication for drug discovery and development. <i>Trends in Molecular Medicine</i> , 2011 , 17, 475-84	11.5	102
141	Cytoskeletal heart-enriched actin-associated protein (CHAP) is expressed in striated and smooth muscle cells in chick and mouse during embryonic and adult stages. <i>International Journal of Developmental Biology</i> , 2011 , 55, 649-55	1.9	7
140	Human embryonic and fetal mesenchymal stem cells differentiate toward three different cardiac lineages in contrast to their adult counterparts. <i>PLoS ONE</i> , 2011 , 6, e24164	3.7	58
139	Direct visualization of Smad1/5/8-mediated transcriptional activity identifies podocytes and collecting ducts as major targets of BMP signalling in healthy and diseased kidneys. <i>Journal of Pathology</i> , 2011 , 224, 121-32	9.4	19
138	Current controversies in prenatal diagnosis 1: is stem cell therapy ready for human fetuses?. <i>Prenatal Diagnosis</i> , 2011 , 31, 228-30	3.2	
137	Endoglin promotes TGF- β /Smad1 signaling in scleroderma fibroblasts. <i>Journal of Cellular Physiology</i> , 2011 , 226, 3340-8	7	55
136	Screening ethnically diverse human embryonic stem cells identifies a chromosome 20 minimal amplicon conferring growth advantage. <i>Nature Biotechnology</i> , 2011 , 29, 1132-44	44.5	406
135	Cardiomyocyte differentiation of pluripotent stem cells and their use as cardiac disease models. <i>Biochemical Journal</i> , 2011 , 434, 25-35	3.8	59
134	Shedding new light on the mechanism underlying stem cell therapy for the heart. <i>Molecular Therapy</i> , 2011 , 19, 1186-8	11.7	5
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