Christine L Mummery

List of Publications by Citations

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	A promoter-level mammalian expression atlas. *Nature*, **2014**, 507, 462-70	50.4	1301
291	Differentiation of human embryonic stem cells to cardiomyocytes: role of coculture with visceral endoderm-like cells. *Circulation*, **2003**, 107, 2733-40	16.7	1012
290	Characterization of human embryonic stem cell lines by the International Stem Cell Initiative. *Nature Biotechnology*, **2007**, 25, 803-16	44.5	857
289	MicroRNAs in the human heart: a clue to fetal gene reprogramming in heart failure. *Circulation*, **2007**, 116, 258-67	16.7	752
288	Activin receptor-like kinase (ALK)1 is an antagonistic mediator of lateral TGFbeta/ALK5 signaling. *Molecular Cell*, **2003**, 12, 817-28	17.6	561
287	Endoglin promotes endothelial cell proliferation and TGF-beta/ALK1 signal transduction. *EMBO Journal*, **2004**, 23, 4018-28	13	525
286	Differentiation of human embryonic stem cells and induced pluripotent stem cells to cardiomyocytes: a methods overview. *Circulation Research*, **2012**, 111, 344-58	15.7	486
285	Stem-cell-based therapy and lessons from the heart. *Nature*, **2008**, 453, 322-9	50.4	465
284	Autotaxin, a secreted lysophospholipase D, is essential for blood vessel formation during development. *Molecular and Cellular Biology*, **2006**, 26, 5015-22	4.8	432
283	Screening ethnically diverse human embryonic stem cells identifies a chromosome 20 minimal amplicon conferring growth advantage. *Nature Biotechnology*, **2011**, 29, 1132-44	44.5	406
282	Regulation of human embryonic stem cell differentiation by BMP-2 and its antagonist noggin. *Journal of Cell Science*, **2004**, 117, 1269-80	5.3	405
281	Human embryonic stem cell-derived cardiomyocytes survive and mature in the mouse heart and transiently improve function after myocardial infarction. *Stem Cell Research*, **2007**, 1, 9-24	1.6	338
280	Recombinant vitronectin is a functionally defined substrate that supports human embryonic stem cell self-renewal via alphavbeta5 integrin. *Stem Cells*, **2008**, 26, 2257-65	5.8	335
279	Induced pluripotent stem cells: the new patient?. *Nature Reviews Molecular Cell Biology*, **2012**, 13, 713-26	48.7	323
278	NKX2-5(eGFP/w) hESCs for isolation of human cardiac progenitors and cardiomyocytes. *Nature Methods*, **2011**, 8, 1037-40	21.6	321
277	Prediction of drug-induced cardiotoxicity using human embryonic stem cell-derived cardiomyocytes. *Stem Cell Research*, **2010**, 4, 107-16	1.6	297
276	Increased cardiomyocyte differentiation from human embryonic stem cells in serum-free cultures. *Stem Cells*, **2005**, 23, 772-80	5.8	291

275	Phosphorylation dynamics during early differentiation of human embryonic stem cells. *Cell Stem Cell*, **2009**, 5, 214-26	18	271
274	Thalidomide stimulates vessel maturation and reduces epistaxis in individuals with hereditary hemorrhagic telangiectasia. *Nature Medicine*, **2010**, 16, 420-8	50.5	248
273	Generation, expansion and functional analysis of endothelial cells and pericytes derived from human pluripotent stem cells. *Nature Protocols*, **2014**, 9, 1514-31	18.8	213
272	Atrial-like cardiomyocytes from human pluripotent stem cells are a robust preclinical model for assessing atrial-selective pharmacology. *EMBO Molecular Medicine*, **2015**, 7, 394-410	12	212
271	Small molecule absorption by PDMS in the context of drug response bioassays. *Biochemical and Biophysical Research Communications*, **2017**, 482, 323-328	3.4	209
270	Adult neurogenesis requires Smad4-mediated bone morphogenic protein signaling in stem cells. *Journal of Neuroscience*, **2008**, 28, 434-46	6.6	209
269	Enhanced cardiomyogenesis of human embryonic stem cells by a small molecular inhibitor of p38 MAPK. *Differentiation*, **2008**, 76, 357-70	3.5	206
268	Human embryonic stem cell-derived cardiomyocytes and cardiac repair in rodents. *Circulation Research*, **2008**, 102, 1008-10	15.7	204
267	Cardiomyocytes derived from pluripotent stem cells recapitulate electrophysiological characteristics of an overlap syndrome of cardiac sodium channel disease. *Circulation*, **2012**, 125, 3079-91	16.7	200
266	Organs-on-chips: into the next decade. *Nature Reviews Drug Discovery*, **2021**, 20, 345-361	64.1	193
265	TGF-beta1 induces efficient differentiation of human cardiomyocyte progenitor cells into functional cardiomyocytes in vitro. *Stem Cell Research*, **2007**, 1, 138-49	1.6	192
264	Isl1Cre reveals a common Bmp pathway in heart and limb development. *Development (Cambridge)*, **2006**, 133, 1575-85	6.6	189
263	Human embryonic stem cells: research, ethics and policy. *Human Reproduction*, **2003**, 18, 672-82	5.7	188
262	Immaturity of human stem-cell-derived cardiomyocytes in culture: fatal flaw or soluble problem?. *Stem Cells and Development*, **2015**, 24, 1035-52	4.4	182
261	Stalk cell phenotype depends on integration of Notch and Smad1/5 signaling cascades. *Developmental Cell*, **2012**, 22, 501-14	10.2	166
260	Chemically defined medium supporting cardiomyocyte differentiation of human embryonic stem cells. *Differentiation*, **2008**, 76, 958-70	3.5	166
259	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. *European Heart Journal*, **2016**, 37, 1789-98	9.5	163
258	Origins and fates of cardiovascular progenitor cells. *Cell*, **2008**, 132, 537-43	56.2	160

257	Genome-wide transcriptional profiling of human embryonic stem cells differentiating to cardiomyocytes. *Stem Cells*, **2006**, 24, 1956-67	5.8	158
256	BMP signaling mediated by ALK2 in the visceral endoderm is necessary for the generation of primordial germ cells in the mouse embryo. *Genes and Development*, **2004**, 18, 1838-49	12.6	157
255	Three-dimensional cardiac microtissues composed of cardiomyocytes and endothelial cells co-differentiated from human pluripotent stem cells. *Development (Cambridge)*, **2017**, 144, 1008-1017	6.6	155
254	Human-iPSC-Derived Cardiac Stromal Cells Enhance Maturation in 3D Cardiac Microtissues and Reveal Non-cardiomyocyte Contributions to Heart Disease. *Cell Stem Cell*, **2020**, 26, 862-879.e11	18	148
253	Functionality of endothelial cells and pericytes from human pluripotent stem cells demonstrated in cultured vascular plexus and zebrafish xenografts. *Arteriosclerosis, Thrombosis, and Vascular Biology* , **2014**, 34, 177-86	9.4	147
252	Isogenic human pluripotent stem cell pairs reveal the role of a KCNH2 mutation in long-QT syndrome. *EMBO Journal*, **2013**, 32, 3161-75	13	145
251	Human cardiomyocyte progenitor cell transplantation preserves long-term function of the infarcted mouse myocardium. *Cardiovascular Research*, **2009**, 83, 527-35	9.9	145
250	Functional maturation of human pluripotent stem cell derived cardiomyocytes in vitro--correlation between contraction force and electrophysiology. *Biomaterials*, **2015**, 51, 138-150	15.6	144
249	Restriction landmark genome scanning identifies culture-induced DNA methylation instability in the human embryonic stem cell epigenome. *Human Molecular Genetics*, **2007**, 16, 1253-68	5.6	138
248	Expansion and patterning of cardiovascular progenitors derived from human pluripotent stem cells. *Nature Biotechnology*, **2015**, 33, 970-9	44.5	137
247	Induced pluripotent stem cell derived cardiomyocytes as models for cardiac arrhythmias. *Frontiers in Physiology*, **2012**, 3, 346	4.6	134
246	MUSCLEMOTION: A Versatile Open Software Tool to Quantify Cardiomyocyte and Cardiac Muscle Contraction In Vitro and In Vivo. *Circulation Research*, **2018**, 122, e5-e16	15.7	125
245	Personalised organs-on-chips: functional testing for precision medicine. *Lab on A Chip*, **2019**, 19, 198-205	7.2	122
244	Expression of TGF-beta s and their receptors during implantation and organogenesis of the mouse embryo. *Developmental Biology*, **1994**, 166, 716-28	3.1	121
243	An experimental correction for arginine-to-proline conversion artifacts in SILAC-based quantitative proteomics. *Nature Methods*, **2007**, 4, 677-8	21.6	120
242	Contractile Defect Caused by Mutation in MYBPC3 Revealed under Conditions Optimized for Human PSC-Cardiomyocyte Function. *Cell Reports*, **2015**, 13, 733-745	10.6	119
241	Recessive cardiac phenotypes in induced pluripotent stem cell models of Jervell and Lange-Nielsen syndrome: disease mechanisms and pharmacological rescue. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E5383-92	11.5	119
240	Three-dimensional co-cultures of human endothelial cells and embryonic stem cell-derived pericytes inside a microfluidic device. *Lab on A Chip*, **2013**, 13, 3562-8	7.2	117

239	Defective paracrine signalling by TGFbeta in yolk sac vasculature of endoglin mutant mice: a paradigm for hereditary haemorrhagic telangiectasia. *Development (Cambridge)*, **2004**, 131, 6237-47	6.6	115
238	Endoglin has a crucial role in blood cell-mediated vascular repair. *Circulation*, **2006**, 114, 2288-97	16.7	114
237	Expression of ALK-1, a type 1 serine/threonine kinase receptor, coincides with sites of vasculogenesis and angiogenesis in early mouse development. *Developmental Dynamics*, **1997**, 209, 418-30	2.9	111
236	A quest for human and mouse embryonic stem cell-specific proteins. *Molecular and Cellular Proteomics*, **2006**, 5, 1261-73	7.6	107
235	Transcriptome of human foetal heart compared with cardiomyocytes from pluripotent stem cells. *Development (Cambridge)*, **2015**, 142, 3231-8	6.6	102
234	Pluripotent stem cell models of cardiac disease and their implication for drug discovery and development. *Trends in Molecular Medicine*, **2011**, 17, 475-84	11.5	102
233	Expression of type I and type IB receptors for activin in midgestation mouse embryos suggests distinct functions in organogenesis. *Mechanisms of Development*, **1995**, 52, 109-23	1.7	102
232	Plasma membrane proteomics of human embryonic stem cells and human embryonal carcinoma cells. *Journal of Proteome Research*, **2008**, 7, 2936-51	5.6	100
231	Induction and enhancement of cardiac cell differentiation from mouse and human induced pluripotent stem cells with cyclosporin-A. *PLoS ONE*, **2011**, 6, e16734	3.7	100
230	Complex Tissue and Disease Modeling using hiPSCs. *Cell Stem Cell*, **2016**, 18, 309-21	18	99
229	Visceral-endoderm-like cell lines induce differentiation of murine P19 embryonal carcinoma cells. *Differentiation*, **1991**, 46, 51-60	3.5	98
228	Conversion of mature human Ecells into glucagon-producing Ecells. *Diabetes*, **2013**, 62, 2471-80	0.9	97
227	Insulin redirects differentiation from cardiogenic mesoderm and endoderm to neuroectoderm in differentiating human embryonic stem cells. *Stem Cells*, **2008**, 26, 724-33	5.8	94
226	Compensatory signalling induced in the yolk sac vasculature by deletion of TGFbeta receptors in mice. *Journal of Cell Science*, **2007**, 120, 4269-77	5.3	94
225	Differentiation is coupled to changes in the cell cycle regulatory apparatus of human embryonic stem cells. *Stem Cell Research*, **2007**, 1, 45-60	1.6	93
224	Origin and use of embryonic and adult stem cells in differentiation and tissue repair. *Cardiovascular Research*, **2003**, 58, 324-35	9.9	91
223	Cation transport and growth regulation in neuroblastoma cells. Modulations of K+ transport and electrical membrane properties during the cell cycle. *Journal of Cellular Physiology*, **1981**, 107, 75-83	7	91
222	Microarray analysis reveals expression regulation of Wnt antagonists in differentiating osteoblasts. *Bone*, **2005**, 36, 803-11	4.7	90

221	Variants of the alpha 6 beta 1 laminin receptor in early murine development: distribution, molecular cloning and chromosomal localization of the mouse integrin alpha 6 subunit. *Cell Adhesion and Communication*, **1993**, 1, 33-53		90
220	Ethics. The ISSCR guidelines for human embryonic stem cell research. *Science*, **2007**, 315, 603-4	33.3	89
219	FANTOM5 CAGE profiles of human and mouse samples. *Scientific Data*, **2017**, 4, 170112	8.2	88
218	Improved genetic manipulation of human embryonic stem cells. *Nature Methods*, **2008**, 5, 389-92	21.6	87
217	Identification of cell surface proteins for antibody-based selection of human embryonic stem cell-derived cardiomyocytes. *Journal of Proteome Research*, **2010**, 9, 1610-8	5.6	84
216	Integrating cardiomyocytes from human pluripotent stem cells in safety pharmacology: has the time come?. *British Journal of Pharmacology*, **2017**, 174, 3749-3765	8.6	82
215	Gene-specific vulnerability to imprinting variability in human embryonic stem cell lines. *Genome Research*, **2007**, 17, 1731-42	9.7	82
214	Transplantation of cells for cardiac repair. *Journal of the American College of Cardiology*, **2003**, 41, 711-7	15.1	81
213	Myocardial tissue engineering: in vitro models. *Cold Spring Harbor Perspectives in Medicine*, **2014**, 4,	5.4	80
212	Challenges in using stem cells for cardiac repair. *Science Translational Medicine*, **2010**, 2, 27ps17	17.5	80
211	Connective tissue growth factor expression and Smad signaling during mouse heart development and myocardial infarction. *Developmental Dynamics*, **2004**, 231, 542-50	2.9	80
210	Advanced in vitro models of vascular biology: Human induced pluripotent stem cells and organ-on-chip technology. *Advanced Drug Delivery Reviews*, **2019**, 140, 68-77	18.5	79
209	Hereditary hemorrhagic telangiectasia: an update on transforming growth factor beta signaling in vasculogenesis and angiogenesis. *Cardiovascular Research*, **2003**, 58, 20-31	9.9	79
208	KeyGenes, a Tool to Probe Tissue Differentiation Using a Human Fetal Transcriptional Atlas. *Stem Cell Reports*, **2015**, 4, 1112-24	8	78
207	Spatio-temporal activation of Smad1 and Smad5 in vivo: monitoring transcriptional activity of Smad proteins. *Journal of Cell Science*, **2004**, 117, 4653-63	5.3	77
206	Comprehensive microarray analysis of bone morphogenetic protein 2-induced osteoblast differentiation resulting in the identification of novel markers for bone development. *Journal of Bone and Mineral Research*, **2002**, 17, 2106-18	6.3	77
205	Prospects for pluripotent stem cell-derived cardiomyocytes in cardiac cell therapy and as disease models. *Journal of Cellular Biochemistry*, **2009**, 107, 592-9	4.7	76
204	Identification of novel regulators associated with early-phase osteoblast differentiation. *Journal of Bone and Mineral Research*, **2004**, 19, 947-58	6.3	73

203	Regulation of stem cell therapies under attack in Europe: for whom the bell tolls. *EMBO Journal*, **2013**, 32, 1489-95	13	72
202	Monitoring of cell therapy and assessment of cardiac function using magnetic resonance imaging in a mouse model of myocardial infarction. *Nature Protocols*, **2007**, 2, 2551-67	18.8	69
201	TECRL, a new life-threatening inherited arrhythmia gene associated with overlapping clinical features of both LQTS and CPVT. *EMBO Molecular Medicine*, **2016**, 8, 1390-1408	12	68
200	Feeder-free culture of human embryonic stem cells in conditioned medium for efficient genetic modification. *Nature Protocols*, **2008**, 3, 1435-43	18.8	67
199	Cardiomyocytes from human pluripotent stem cells in regenerative medicine and drug discovery. *Trends in Pharmacological Sciences*, **2009**, 30, 536-45	13.2	66
198	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. *EMBO Molecular Medicine*, **2016**, 8, 1065-81	12	66
197	Improvement of mouse cardiac function by hESC-derived cardiomyocytes correlates with vascularity but not graft size. *Stem Cell Research*, **2009**, 3, 106-12	1.6	63
196	Real time monitoring of BMP Smads transcriptional activity during mouse development. *Genesis*, **2008**, 46, 335-46	1.9	62
195	Pluripotent stem cell models of human heart disease. *Cold Spring Harbor Perspectives in Medicine*, **2013**, 3,	5.4	61
194	Cardiomyocyte differentiation of pluripotent stem cells and their use as cardiac disease models. *Biochemical Journal*, **2011**, 434, 25-35	3.8	59
193	Heart repair and stem cells. *Journal of Physiology*, **2006**, 577, 467-78	3.9	59
192	Aggregation and cell cycle dependent retinoic acid receptor mRNA expression in P19 embryonal carcinoma cells. *Mechanisms of Development*, **1992**, 36, 165-72	1.7	59
191	BMP4 promotes EMT and mesodermal commitment in human embryonic stem cells via SLUG and MSX2. *Stem Cells*, **2014**, 32, 636-48	5.8	58
190	Human embryonic and fetal mesenchymal stem cells differentiate toward three different cardiac lineages in contrast to their adult counterparts. *PLoS ONE*, **2011**, 6, e24164	3.7	58
189	Endoglin-mediated vascular remodeling: mechanisms underlying hereditary hemorrhagic telangiectasia. *Trends in Cardiovascular Medicine*, **2008**, 18, 25-32	6.9	57
188	Modelling sarcomeric cardiomyopathies in the dish: from human heart samples to iPSC cardiomyocytes. *Cardiovascular Research*, **2015**, 105, 424-38	9.9	56
187	Patterning the heart, a template for human cardiomyocyte development. *Developmental Dynamics*, **2006**, 235, 1994-2002	2.9	56
186	PGC-1 and reactive oxygen species regulate human embryonic stem cell-derived cardiomyocyte function. *Stem Cell Reports*, **2013**, 1, 560-74	8	55

185	Endoglin promotes TGF-β/Smad1 signaling in scleroderma fibroblasts. *Journal of Cellular Physiology*, **2011**, 226, 3340-8	7	55
184	Functions of the TGFbeta superfamily in human embryonic stem cells. *Apmis*, **2005**, 113, 773-89	3.4	55
183	Concise Review: Measuring Physiological Responses of Human Pluripotent Stem Cell Derived Cardiomyocytes to Drugs and Disease. *Stem Cells*, **2016**, 34, 2008-15	5.8	54
182	Dual reporter MESP1 mCherry/w-NKX2-5 eGFP/w hESCs enable studying early human cardiac differentiation. *Stem Cells*, **2015**, 33, 56-67	5.8	53
181	Nitric oxide signaling in oxytocin-mediated cardiomyogenesis. *Stem Cells*, **2007**, 25, 679-88	5.8	53
180	Human pluripotent stem cell models of cardiac disease: from mechanisms to therapies. *DMM Disease Models and Mechanisms*, **2017**, 10, 1039-1059	4.1	52
179	Extracellular matrix formation after transplantation of human embryonic stem cell-derived cardiomyocytes. *Cellular and Molecular Life Sciences*, **2010**, 67, 277-90	10.3	51
178	What if stem cells turn into embryos in a dish?. *Nature Methods*, **2015**, 12, 917-9	21.6	50
177	Human Organs-on-Chips for Virology. *Trends in Microbiology*, **2020**, 28, 934-946	12.4	50
176	Subtype-specific promoter-driven action potential imaging for precise disease modelling and drug testing in hiPSC-derived cardiomyocytes. *European Heart Journal*, **2017**, 38, 292-301	9.5	49
175	Induced Pluripotent Stem Cells to Model Human Fibrodysplasia Ossificans Progressiva. *Stem Cell Reports*, **2015**, 5, 963-970	8	49
174	Altered primordial germ cell migration in the absence of transforming growth factor beta signaling via ALK5. *Developmental Biology*, **2005**, 284, 194-203	3.1	49
173	BMP signalling differentially regulates distinct haematopoietic stem cell types. *Nature Communications*, **2015**, 6, 8040	17.4	48
172	SIRPA, VCAM1 and CD34 identify discrete lineages during early human cardiovascular development. *Stem Cell Research*, **2014**, 13, 172-9	1.6	48
171	Induced pluripotent stem cells--a cautionary note. *New England Journal of Medicine*, **2011**, 364, 2160-2	59.2	48
170	Human embryonic stem cells: genetic manipulation on the way to cardiac cell therapies. *Reproductive Toxicology*, **2005**, 20, 377-91	3.4	48
169	Modulation of functional and optimal (Na+-K+)ATPase activity during the cell cycle of neuroblastoma cells. *Journal of Cellular Physiology*, **1981**, 107, 1-9	7	48
168	Two novel type II receptors mediate BMP signalling and are required to establish left-right asymmetry in zebrafish. *Developmental Biology*, **2008**, 315, 55-71	3.1	47

167	Cardiomyocyte differentiation from embryonic and adult stem cells. *Current Opinion in Biotechnology*, **2005**, 16, 498-502	11.4	47
166	Expression patterns of laminin receptor splice variants alpha 6A beta 1 and alpha 6B beta 1 suggest different roles in mouse development. *Developmental Dynamics*, **1995**, 204, 240-58	2.9	47
165	Cell cycle analysis during retinoic acid induced differentiation of a human embryonal carcinoma-derived cell line. *Cell Differentiation*, **1987**, 20, 153-60		47
164	ENDOGLIN is dispensable for vasculogenesis, but required for vascular endothelial growth factor-induced angiogenesis. *PLoS ONE*, **2014**, 9, e86273	3.7	47
163	NKX2-5 regulates human cardiomyogenesis via a HEY2 dependent transcriptional network. *Nature Communications*, **2018**, 9, 1373	17.4	45
162	Serum supplemented culture medium masks hypertrophic phenotypes in human pluripotent stem cell derived cardiomyocytes. *Journal of Cellular and Molecular Medicine*, **2014**, 18, 1509-18	5.6	45
161	Preferential expression of cellular retinoic acid binding protein in a subpopulation of neural cells in the developing mouse embryo. *Differentiation*, **1989**, 40, 99-105	3.5	45
160	CHAP is a newly identified Z-disc protein essential for heart and skeletal muscle function. *Journal of Cell Science*, **2010**, 123, 1141-50	5.3	44
159	A practical guide for the identification of membrane and plasma membrane proteins in human embryonic stem cells and human embryonal carcinoma cells. *Proteomics*, **2008**, 8, 4036-53	4.8	44
158	Interpretation of field potentials measured on a multi electrode array in pharmacological toxicity screening on primary and human pluripotent stem cell-derived cardiomyocytes. *Biochemical and Biophysical Research Communications*, **2018**, 497, 1135-1141	3.4	43
157	Two receptor classes for epidermal growth factor on pheochromocytoma cells, distinguishable by temperature, lectins, and tumor promoters. *Journal of Cellular Physiology*, **1985**, 123, 347-52	7	43
156	Activation of the canonical bone morphogenetic protein (BMP) pathway during lung morphogenesis and adult lung tissue repair. *PLoS ONE*, **2012**, 7, e41460	3.7	41
155	Differentiation and Functional Comparison of Monocytes and Macrophages from hiPSCs with Peripheral Blood Derivatives. *Stem Cell Reports*, **2019**, 12, 1282-1297	8	40
154	Inflammatory Responses and Barrier Function of Endothelial Cells Derived from Human Induced Pluripotent Stem Cells. *Stem Cell Reports*, **2018**, 10, 1642-1656	8	39
153	Human Pluripotent Stem Cell Differentiation into Functional Epicardial Progenitor Cells. *Stem Cell Reports*, **2017**, 9, 1754-1764	8	39
152	Generation of induced pluripotent stem cells from human foetal fibroblasts using the Sleeping Beauty transposon gene delivery system. *Differentiation*, **2013**, 86, 30-7	3.5	38
151	Differentiation of Human Pluripotent Stem Cells to Cardiomyocytes Under Defined Conditions. *Methods in Molecular Biology*, **2016**, 1353, 163-80	1.4	38
150	A P19Cl6 GFP reporter line to quantify cardiomyocyte differentiation of stem cells. *International Journal of Developmental Biology*, **2004**, 48, 47-55	1.9	38

149	DNA methylation and transcriptional trajectories during human development and reprogramming of isogenic pluripotent stem cells. *Nature Communications*, **2017**, 8, 908	17.4	37
148	Uncoupling DNA damage from chromatin damage to detoxify doxorubicin. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 15182-15192	11.5	37
147	Generation of a floxed allele of the mouse Endoglin gene. *Genesis*, **2007**, 45, 391-5	1.9	37
146	Isolation and characterization of permanent cell lines from inner cell mass cells of bovine blastocysts. *Molecular Reproduction and Development*, **1995**, 40, 444-54	2.6	37
145	A comprehensive gene expression analysis at sequential stages of in vitro cardiac differentiation from isolated MESP1-expressing-mesoderm progenitors. *Scientific Reports*, **2016**, 6, 19386	4.9	36
144	Pluripotent stem cell derived cardiovascular progenitors--a developmental perspective. *Developmental Biology*, **2015**, 400, 169-79	3.1	36
143	SOST expression is restricted to the great arteries during embryonic and neonatal cardiovascular development. *Developmental Dynamics*, **2007**, 236, 606-12	2.9	36
142	Epidermal growth factor receptor expression during morphological differentiation of pheochromocytoma cells, induced by nerve growth factor or dibutyryl cyclic AMP. *Journal of Cellular Physiology*, **1987**, 131, 409-17	7	35
141	Embryonic stem cell proteomics. *Expert Review of Proteomics*, **2006**, 3, 427-37	4.2	34
140	Perspectives on the Use of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes in Biomedical Research. *Stem Cell Reports*, **2018**, 11, 1306-1311	8	34
139	Impaired recruitment of HHT-1 mononuclear cells to the ischaemic heart is due to an altered CXCR4/CD26 balance. *Cardiovascular Research*, **2010**, 85, 494-502	9.9	33
138	Distribution of phosphorylated Smad2 identifies target tissues of TGF beta ligands in mouse development. *Gene Expression Patterns*, **2003**, 3, 355-60	1.5	33
137	Stage-specific appearance of the mouse antigen TEC-3 in normal and nuclear transfer bovine embryos: re-expression after nuclear transfer. *Molecular Reproduction and Development*, **1994**, 37, 27-33	2.6	33
136	Modulations of Na+ transport during the cell cycle of neuroblastoma cells. *Journal of Cellular Physiology*, **1982**, 112, 27-34	7	33
135	Scalable microphysiological system to model three-dimensional blood vessels. *APL Bioengineering*, **2019**, 3, 026105	6.6	31
134	A COUP-TFII Human Embryonic Stem Cell Reporter Line to Identify and Select Atrial Cardiomyocytes. *Stem Cell Reports*, **2017**, 9, 1765-1779	8	30
133	Cardiomyocytes derived from stem cells. *Annals of Medicine*, **2005**, 37, 499-512	1.5	30
132	Identification and characterization of polypeptide growth factors secreted by murine embryonal carcinoma cells. *Developmental Biology*, **1989**, 133, 272-83	3.1	30

131	Inhibition of ROCK improves survival of human embryonic stem cell-derived cardiomyocytes after dissociation. *Annals of the New York Academy of Sciences*, **2010**, 1188, 52-7	6.5	29
130	Inherited heart disease - what can we expect from the second decade of human iPS cell research?. *FEBS Letters*, **2016**, 590, 2482-93	3.8	28
129	Sox2 transduction enhances cardiovascular repair capacity of blood-derived mesoangioblasts. *Circulation Research*, **2010**, 106, 1290-302	15.7	28
128	Proteomics and human embryonic stem cells. *Stem Cell Research*, **2008**, 1, 169-82	1.6	28
127	Progenitor cells for cardiac repair. *Seminars in Cell and Developmental Biology*, **2007**, 18, 153-60	7.5	28
126	Cardiac safety pharmacology: from human ether-a-gogo related gene channel block towards induced pluripotent stem cell based disease models. *Expert Opinion on Drug Safety*, **2012**, 11, 285-98	4.1	27
125	Simultaneous measurement of excitation-contraction coupling parameters identifies mechanisms underlying contractile responses of hiPSC-derived cardiomyocytes. *Nature Communications*, **2019**, 10, 4325	17.4	26
124	Knock-in of integrin beta 1D affects primary but not secondary myogenesis in mice. *Development (Cambridge)*, **2003**, 130, 1659-71	6.6	26
123	The role of TGF-beta production in growth inhibition of breast-tumor cells by progestins. *International Journal of Cancer*, **1995**, 61, 80-6	7.5	26
122	BMP and Hedgehog Regulate Distinct AGM Hematopoietic Stem Cells Ex Vivo. *Stem Cell Reports*, **2016**, 6, 383-95	8	25
121	The composition and differentiation potential of the duodenal intraepithelial innate lymphocyte compartment is altered in coeliac disease. *Gut*, **2016**, 65, 1269-78	19.2	25
120	Mouse embryonic stem cells with aberrant transforming growth factor beta signalling exhibit impaired differentiation in vitro and in vivo. *Differentiation*, **1998**, 63, 101-13	3.5	25
119	Feeder-free monolayer cultures of human embryonic stem cells express an epithelial plasma membrane protein profile. *Stem Cells*, **2008**, 26, 2777-81	5.8	25
118	Cytostretch, an Organ-on-Chip Platform. *Micromachines*, **2016**, 7,	3.3	25
117	Blinded, Multicenter Evaluation of Drug-induced Changes in Contractility Using Human-induced Pluripotent Stem Cell-derived Cardiomyocytes. *Toxicological Sciences*, **2020**, 176, 103-123	4.4	24
116	Squaramide-Based Supramolecular Materials for Three-Dimensional Cell Culture of Human Induced Pluripotent Stem Cells and Their Derivatives. *Biomacromolecules*, **2018**, 19, 1091-1099	6.9	24
115	Building blocks for a European Organ-on-Chip roadmap. *ALTEX: Alternatives To Animal Experimentation*, **2019**, 36, 481-492	4.3	23
114	Differentiation-Defective Human Induced Pluripotent Stem Cells Reveal Strengths and Limitations of the Teratoma Assay and In Vitro Pluripotency Assays. *Stem Cell Reports*, **2017**, 8, 1340-1353	8	22

113	Model systems for cardiovascular regenerative biology. *Cold Spring Harbor Perspectives in Medicine*, **2013**, 3, a014019	5.4	22
112	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. *Circulation: Arrhythmia and Electrophysiology*, **2016**, 9,	6.4	20
111	BMP-SMAD Signaling Regulates Lineage Priming, but Is Dispensable for Self-Renewal in Mouse Embryonic Stem Cells. *Stem Cell Reports*, **2016**, 6, 85-94	8	20
110	Electrophysiological Analysis of human Pluripotent Stem Cell-derived Cardiomyocytes (hPSC-CMs) Using Multi-electrode Arrays (MEAs). *Journal of Visualized Experiments*, **2017**,	1.6	20
109	Altered calcium handling and increased contraction force in human embryonic stem cell derived cardiomyocytes following short term dexamethasone exposure. *Biochemical and Biophysical Research Communications*, **2015**, 467, 998-1005	3.4	20
108	Interaction Between ALK1 Signaling and Connexin40 in the Development of Arteriovenous Malformations. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2016**, 36, 707-17	9.4	19
107	Direct cardiomyocyte reprogramming: a new direction for cardiovascular regenerative medicine. *Cold Spring Harbor Perspectives in Medicine*, **2013**, 3, a014050	5.4	19
106	Proteomic analysis of stem cell differentiation and early development. *Cold Spring Harbor Perspectives in Biology*, **2012**, 4,	10.2	19
105	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. *Journal of Pathology*, **2011**, 224, 121-32	9.4	19
104	Differentially regulated production of platelet-derived growth factor and of transforming growth factor beta by a human teratocarcinoma cell line. *Differentiation*, **1988**, 38, 203-10	3.5	18
103	Genetically Engineered Mesenchymal Stem Cells Influence Gene Expression in Donor Cardiomyocytes and the Recipient Heart. *Journal of Stem Cell Research & Therapy*, **2012**, S1,	1	18
102	Decreased Expression of Vascular Endothelial Growth Factor Receptor 1 Contributes to the Pathogenesis of Hereditary Hemorrhagic Telangiectasia Type 2. *Circulation*, **2018**, 138, 2698-2712	16.7	18
101	Cryopreservation of human pluripotent stem cell-derived cardiomyocytes is not detrimental to their molecular and functional properties. *Stem Cell Research*, **2020**, 43, 101698	1.6	17
100	Poor vessel formation in embryos from knock-in mice expressing ALK5 with L45 loop mutation defective in Smad activation. *Laboratory Investigation*, **2009**, 89, 800-10	5.9	17
99	The time is right: proteome biology of stem cells. *Cell Stem Cell*, **2008**, 2, 215-7	18	17
98	Human embryonic stem cells: towards therapies for cardiac disease. Derivation of a Dutch human embryonic stem cell line. *Reproductive BioMedicine Online*, **2005**, 11, 476-85	4	17
97	Identification of the type-B receptor for platelet-derived growth factor in human embryonal carcinoma cells. *Experimental Cell Research*, **1990**, 186, 324-31	4.2	17
96	Characterization of 42K+ and 86Rb+ transport and electrical membrane properties in exponentially growing neuroblastoma cells. *Biochimica Et Biophysica Acta - Biomembranes*, **1981**, 643, 89-100	3.8	17

95	Expression of the ßA integrin splice variant in developing mouse embryonic stem cell aggregates and correlation with cardiac muscle differentiation. *Differentiation*, **1999**, 64, 173	3.5	17
94	The MicroRNA-371 Family as Plasma Biomarkers for Monitoring Undifferentiated and Potentially Malignant Human Pluripotent Stem Cells in Teratoma Assays. *Stem Cell Reports*, **2018**, 11, 1493-1505	8	17
93	A cardiomyocyte show of force: A fluorescent alpha-actinin reporter line sheds light on human cardiomyocyte contractility versus substrate stiffness. *Journal of Molecular and Cellular Cardiology*, **2020**, 141, 54-64	5.8	16
92	In vitro modelling of alveolar repair at the air-liquid interface using alveolar epithelial cells derived from human induced pluripotent stem cells. *Scientific Reports*, **2020**, 10, 5499	4.9	16
91	Visceral endoderm induces specification of cardiomyocytes in mice. *Stem Cell Research*, **2009**, 3, 170-8	1.6	16
90	Unlocking Personalized Biomedicine and Drug Discovery with Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes: Fit for Purpose or Forever Elusive?. *Annual Review of Pharmacology and Toxicology*, **2020**, 60, 529-551	17.9	16
89	Inherited cardiac diseases, pluripotent stem cells, and genome editing combined-the past, present, and future. *Stem Cells*, **2020**, 38, 174-186	5.8	15
88	Co-Differentiation of Human Pluripotent Stem Cells-Derived Cardiomyocytes and Endothelial Cells from Cardiac Mesoderm Provides a Three-Dimensional Model of Cardiac Microtissue. *Current Protocols in Human Genetics*, **2017**, 95, 21.9.1-21.9.22	3.2	14
87	Is heart regeneration on the right track?. *Nature Medicine*, **2013**, 19, 412-3	50.5	14
86	From stealing fire to cellular reprogramming: a scientific history leading to the 2012 Nobel Prize. *Stem Cell Reports*, **2013**, 1, 5-17	8	14
85	Getting to the heart of the matter: direct reprogramming to cardiomyocytes. *Cell Stem Cell*, **2010**, 7, 139-41	18	14
84	. *Journal of Microelectromechanical Systems*, **2020**, 29, 881-887	2.5	14
83	Generation and Functional Characterization of Monocytes and Macrophages Derived from Human Induced Pluripotent Stem Cells. *Current Protocols in Stem Cell Biology*, **2020**, 52, e108	2.8	13
82	Regenerative medicine funding policies in Europe and The Netherlands. *Npj Regenerative Medicine*, **2017**, 2, 1	15.8	13
81	Proteome biology of stem cells. *Stem Cell Research*, **2007**, 1, 7-8	1.6	13
80	Organization of non-muscle myosin during early murine embryonic differentiation. *Differentiation*, **1992**, 50, 47-56	3.5	13
79	Generation, functional analysis and applications of isogenic three-dimensional self-aggregating cardiac microtissues from human pluripotent stem cells. *Nature Protocols*, **2021**, 16, 2213-2256	18.8	13
78	Using Cardiovascular Cells from Human Pluripotent Stem Cells for COVID-19 Research: Why the Heart Fails. *Stem Cell Reports*, **2021**, 16, 385-397	8	13

77	Engineered models of the human heart: Directions and challenges. *Stem Cell Reports*, **2021**, 16, 2049-2057	7	13
76	Lymphangiogenesis and angiogenesis during human fetal pancreas development. *Vascular Cell*, **2014**, 6, 22	1	12
75	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. *Brain Communications*, **2019**, 1, fcz028	4.5	12
74	Quantitative Analysis of Intracellular Ca Release and Contraction in hiPSC-Derived Vascular Smooth Muscle Cells. *Stem Cell Reports*, **2019**, 12, 647-656	8	11
73	Strategies for rapidly mapping proviral integration sites and assessing cardiogenic potential of nascent human induced pluripotent stem cell clones. *Experimental Cell Research*, **2014**, 327, 297-306	4.2	11
72	Stem cells: The cancer's gone, but did chemotherapy damage your heart?. *Nature Reviews Cardiology*, **2016**, 13, 383-4	14.8	11
71	Closing the Mitochondrial Permeability Transition Pore in hiPSC-Derived Endothelial Cells Induces Glycocalyx Formation and Functional Maturation. *Stem Cell Reports*, **2019**, 13, 803-816	8	10
70	Proteome biology of stem cells: a new joint HUPO and ISSCR initiative. *Molecular and Cellular Proteomics*, **2008**, 7, 204-5	7.6	10
69	Cardiomyocytes from human embryonic stem cells: more than heart repair alone. *BioEssays*, **2007**, 29, 572-9	4.1	10
68	Human teratocarcinoma cells express functional insulin-like growth factor I receptors. *Experimental Cell Research*, **1989**, 184, 427-39	4.2	10
67	Engineered 3D vessel-on-chip using hiPSC-derived endothelial- and vascular smooth muscle cells. *Stem Cell Reports*, **2021**, 16, 2159-2168	8	10
66	Survey of neuropeptide gene expression in tumor cell lines. *Pathobiology*, **1992**, 60, 127-35	3.6	9
65	Isogenic Sets of hiPSC-CMs Harboring Distinct KCNH2 Mutations Differ Functionally and in Susceptibility to Drug-Induced Arrhythmias. *Stem Cell Reports*, **2020**, 15, 1127-1139	8	9
64	Cardiac Tissues From Stem Cells: New Routes to Maturation and Cardiac Regeneration. *Circulation Research*, **2021**, 128, 775-801	15.7	9
63	Transforming growth factor-beta and its receptor are differentially regulated in human embryonal carcinoma cells. *Differentiation*, **1989**, 41, 245-53	3.5	8
62	Cytoskeletal heart-enriched actin-associated protein (CHAP) is expressed in striated and smooth muscle cells in chick and mouse during embryonic and adult stages. *International Journal of Developmental Biology*, **2011**, 55, 649-55	1.9	7
61	Z-disc protein CHAPb induces cardiomyopathy and contractile dysfunction in the postnatal heart. *PLoS ONE*, **2017**, 12, e0189139	3.7	7
60	Genetic manipulation of human embryonic stem cells in serum and feeder-free media. *Methods in Molecular Biology*, **2010**, 584, 413-23	1.4	7

59	Expandable human cardiovascular progenitors from stem cells for regenerating mouse heart after myocardial infarction. *Cardiovascular Research*, **2020**, 116, 545-553	9.9	7
58	Fabrication and Characterization of an Upside-Down Carbon Nanotube Microelectrode Array. *IEEE Sensors Journal*, **2016**, 16, 8685-8691	4	6
57	Tbx6 is a determinant of cardiac and neural cell fate decisions in multipotent P19CL6 cells. *Differentiation*, **2012**, 84, 176-84	3.5	6
56	Regulation of intracellular pH during the G1/S-phase transition of the neuroblastoma cell cycle. *Experimental Cell Research*, **1988**, 174, 521-4	4.2	6
55	Quantifying Ca signaling and contraction in vascular pericytes and smooth muscle cells. *Biochemical and Biophysical Research Communications*, **2019**, 513, 112-118	3.4	5
54	The avian embryo to study development of the cardiac conduction system. *Differentiation*, **2016**, 91, 90-103	3.5	5
53	Cell replacement therapies: is it time to reprogram?. *Human Gene Therapy*, **2014**, 25, 866-74	4.8	5
52	CCN2 reduction mediates protective effects of BMP7 treatment in obstructive nephropathy. *Journal of Cell Communication and Signaling*, **2017**, 11, 39-48	5.2	5
51	The Promise and Potential of Organs-on-Chips as Preclinical Models. *Applied in Vitro Toxicology*, **2015**, 1, 235-242	1.3	5
50	Shedding new light on the mechanism underlying stem cell therapy for the heart. *Molecular Therapy*, **2011**, 19, 1186-8	11.7	5
49	New perspectives on regeneration of the heart. *Circulation Research*, **2011**, 109, 828-9	15.7	5
48	Regulation of growth and differentiation in early development: of mice and models. *Reproductive Toxicology*, **1993**, 7 Suppl 1, 145-54	3.4	5
47	Reprogramming Urine-Derived Cells using Commercially Available Self-Replicative RNA and a Single Electroporation. *Current Protocols in Stem Cell Biology*, **2020**, 55, e124	2.8	5
46	SnapShot: Key Advances in hiPSC Disease Modeling. *Cell Stem Cell*, **2016**, 18, 422	18	5
45	Quantification of Muscle Contraction In Vitro and In Vivo Using MUSCLEMOTION Software: From Stem Cell-Derived Cardiomyocytes to Zebrafish and Human Hearts. *Current Protocols in Human Genetics*, **2018**, 99, e67	3.2	5
44	Reply to Christ et al.: LQT1 and JLNS phenotypes in hiPSC-derived cardiomyocytes are due to KCNQ1 mutations. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E1969	11.5	4
43	Advantages of the avian model for human ovarian cancer. *Molecular and Clinical Oncology*, **2015**, 3, 1191-1198	1.6	4
42	Human stem cells shape the future of cardiac regeneration research. *International Journal of Cardiology*, **2004**, 95 Suppl 1, S20-2	3.2	4

41	Bone morphogenetic proteins and retinoic acid induce human endogenous retrovirus HERV-K expression in NT2D1 human embryonal carcinoma cells. *Development Growth and Differentiation*, **2000**, 42, 407-11	3	4
40	Microfluidic Assay for the Assessment of Leukocyte Adhesion to Human Induced Pluripotent Stem Cell-derived Endothelial Cells (hiPSC-ECs). *Journal of Visualized Experiments*, **2018**,	1.6	4
39	Rapid Prototyping of Organ-on-a-Chip Devices Using Maskless Photolithography.. *Micromachines*, **2021**, 13,	3.3	4
38	Voices of biotech. *Nature Biotechnology*, **2016**, 34, 270-5	44.5	3
37	Real time monitoring of BMP Smads transcriptional activity during mouse development. *Genesis*, **2008**, 46, spcone-spcone	1.9	3
36	Genetic selection of cardiomyocytes from human embryonic stem cells. *Molecular Therapy*, **2007**, 15, 1908-9	11.7	3
35	Targeting the K11.1 (hERG) channel with allosteric modulators. Synthesis and biological evaluation of three novel series of LUF7346 derivatives. *European Journal of Medicinal Chemistry*, **2021**, 212, 113033	6.8	3
34	What Endothelial Cells from Patient iPSCs Can Tell Us about Aortic Valve Disease. *Cell Stem Cell*, **2015**, 16, 455-7	18	2
33	Differentiation in Early Development **2014**, 121-139		2
32	Mentorship in Science: Response to AlShebli et al., Nature Communications 2020. *Stem Cell Reports*, **2021**, 16, 1-2	8	2
31	Cartilage from human-induced pluripotent stem cells: comparison with neo-cartilage from chondrocytes and bone marrow mesenchymal stromal cells. *Cell and Tissue Research*, **2021**, 386, 309-320	4.2	2
30	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. *Stem Cell Research*, **2020**, 45, 101764	1.6	1
29	Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes in the Evaluation of Cardiotoxic Potential of Drugs **2018**, 173-194		1
28	Differentiation in Early Development **2013**, 139-154		1
27	A case for crowd sourcing in stem cell research. *Stem Cells Translational Medicine*, **2014**, 3, 1259-61	6.9	1
26	Cardiomyocyte Differentiation of Human Pluripotent Stem Cells **2012**, 413-431		1
25	On the streets of San Francisco: highlights from the ISSCR Annual Meeting 2010. *Cell Stem Cell*, **2010**, 7, 443-50	18	1
24	Differentiation in Early Development **2009**, 117-129		1

23	Differentiation of Human Embryonic Stem Cells to Cardiomyocytes **2005**, 301-324		1
22	Integrating cardiomyocytes from human pluripotent stem cells in safety pharmacology: has the time come? **2017**, 174, 3749		1
21	Assessment of functional competence of endothelial cells from human pluripotent stem cells in zebrafish embryos. *Methods in Molecular Biology*, **2014**, 1213, 107-19	1.4	1
20	Vascular Tumor Recapitulated in Endothelial Cells from hiPSCs Engineered to Express the Translocation. *Cell Reports Medicine*, **2020**, 1, 100153	18	1
19	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. *Stem Cell Research*, **2021**, 53, 102374	1.6	1
18	Heart defects recapitulated in human cardioids. *Cell Research*, **2021**, 31, 947-948	24.7	1
17	Lymphoblast-derived hiPS cell lines generated from four individuals of a family of genetically unrelated parents and their female monozygotic twins. *Stem Cell Research*, **2019**, 41, 101654	1.6	1
16	Thresholds of Endoglin Expression in Endothelial Cells Explains Vascular Etiology in Hereditary Hemorrhagic Telangiectasia Type 1. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
15	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. *Stem Cell Research*, **2020**, 46, 101786	1.6	0
14	New guidelines for embryo and stem cell research. *Nature Reviews Molecular Cell Biology*, **2021**, 22, 773-774	48.7	0
13	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. *Stem Cell Research*, **2021**, 57, 102582	1.6	0
12	CRISPR/Cas9-Mediated Introduction of Specific Heterozygous Mutations in Human Induced Pluripotent Stem Cells. *Methods in Molecular Biology*, **2021**, 1	1.4	0
11	The Linkage Phase of the Polymorphism KCNH2-K897T Influences the Electrophysiological Phenotype in hiPSC Models of LQT2.. *Frontiers in Physiology*, **2021**, 12, 755642	4.6	0
10	Current controversies in prenatal diagnosis 1: is stem cell therapy ready for human fetuses?. *Prenatal Diagnosis*, **2011**, 31, 228-30	3.2	
9	Differentiation of Human Embryonic Stem Cells to Cardiomyocytes **2010**, 87-112		
8	Part A: Directed Differentiation of Human Embryonic Stem Cells into Cardiomyocytes213-228		
7	Cardiomyocyte Differentiation in Human ES Cells93-106		
6	Stem Cells and Cardiomyocytes **2006**, 133-155		

5 Differentiation in Early Development **2004**, 143-156

4 Implantation and Placentation73-105

3 Toward Stem Cell Therapy **2002**, 107-122

2 Human Embryonic Stem Cells. *Series in Medical Physics and Biomedical Engineering*, **2011**, 1-30

1 Microphysiological stem cell models of the human heart.. *Materials Today Bio*, **2022**, 14, 100259 9.9