David A Elliott

List of Publications by Year
in descending order

69	6,252	35	66
papers	citations	h-index	g-index
		109321	102487

74	74	74	8379
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Differentiation of Human Embryonic Stem Cells and Induced Pluripotent Stem Cells to Cardiomyocytes. Circulation Research, 2012, 111, 344-358.	4.5	641
2	SIRPA is a specific cell-surface marker for isolating cardiomyocytes derived from human pluripotent stem cells. Nature Biotechnology, 2011, 29, 1011-1018.	17.5	500
3	NKX2-5eGFP/w hESCs for isolation of human cardiac progenitors and cardiomyocytes. Nature Methods, 2011, 8, 1037-1040.	19.0	384
4	Functional screening in human cardiac organoids reveals a metabolic mechanism for cardiomyocyte cell cycle arrest. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8372-E8381.	7.1	361
5	Cardiac Septal and Valvular Dysmorphogenesis in Mice Heterozygous for Mutations in the Homeobox Gene <i>Nkx2-5</i>. Circulation Research, 2000, 87, 888-895.	4.5	325
6	Atrialâ€like cardiomyocytes from human pluripotent stem cells are a robust preclinical model for assessing atrialâ€selective pharmacology. EMBO Molecular Medicine, 2015, 7, 394-410.	6.9	310
7	Cardiac T-box factor Tbx20 directly interacts with Nkx2-5, GATA4, and GATA5 in regulation of gene expression in the developing heart. Developmental Biology, 2003, 262, 206-224.	2.0	260
8	Cardiac homeobox gene NKX2-5mutations and congenital heart disease. Journal of the American College of Cardiology, 2003, 41, 2072-2076.	2.8	231
9	Independent Regulation of Synaptic Size and Activity by the Anaphase-Promoting Complex. Cell, 2004, 119, 707-718.	28.9	214
10	Drug Screening in Human PSC-Cardiac Organoids Identifies Pro-proliferative Compounds Acting via the Mevalonate Pathway. Cell Stem Cell, 2019, 24, 895-907.e6.	11.1	199
11	Controlling Expansion and Cardiomyogenic Differentiation of Human Pluripotent Stem Cells in Scalable Suspension Culture. Stem Cell Reports, 2014, 3, 1132-1146.	4.8	189
12	Isogenic human pluripotent stem cell pairs reveal the role of a KCNH2 mutation in long-QT syndrome. EMBO Journal, 2013, 32, 3161-3175.	7.8	174
13	Differentiation of human embryonic stem cells to HOXA+ hemogenic vasculature that resembles the aorta-gonad-mesonephros. Nature Biotechnology, 2016, 34, 1168-1179.	17.5	150
14	The use of agarose microwells for scalable embryoid body formation and cardiac differentiation of human and murine pluripotent stem cells. Biomaterials, 2013, 34, 2463-2471.	11.4	131
15	BET inhibition blocks inflammation-induced cardiac dysfunction and SARS-CoV-2 infection. Cell, 2021, 184, 2167-2182.e22.	28.9	131
16	Development of a human cardiac organoid injury model reveals innate regenerative potential. Development (Cambridge), 2017, 144, 1118-1127.	2.5	127
17	The GAL4 System. Methods in Molecular Biology, 2008, 420, 79-95.	0.9	120
18	INS GFP/w human embryonic stem cells facilitate isolation of in vitro derived insulin-producing cells. Diabetologia, 2012, 55, 694-706.	6.3	113

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19	3D aggregate culture improves metabolic maturation of human pluripotent stem cell derived cardiomyocytes. Biotechnology and Bioengineering, 2018, 115, 630-644.	3.3	108
20	A Targeted <i>NKX2.1</i> Human Embryonic Stem Cell Reporter Line Enables Identification of Human Basal Forebrain Derivatives. Stem Cells, 2011, 29, 462-473.	3.2	99
21	Transcriptional regulation of the murine promoter by cardiac factors Nkx2-5, GATA4 and Tbx5. Cardiovascular Research, 2004, 64, 402-411.	3.8	91
22	Multipotent Caudal Neural Progenitors Derived from Human Pluripotent Stem Cells That Give Rise to Lineages of the Central and Peripheral Nervous System. Stem Cells, 2015, 33, 1759-1770.	3.2	80
23	NKX2-5 regulates human cardiomyogenesis via a HEY2 dependent transcriptional network. Nature Communications, 2018, 9, 1373.	12.8	77
24	Congenital Asplenia in Mice and Humans with Mutations in a Pbx/Nkx2-5/p15 Module. Developmental Cell, 2012, 22, 913-926.	7.0	70
25	Homeodomain Factor Nkx2-5 in Heart Development and Disease. Cold Spring Harbor Symposia on Quantitative Biology, 2002, 67, 107-114.	1.1	67
26	Elastomeric nanocomposites as cell delivery vehicles and cardiac support devices. Soft Matter, 2010, 6, 4715.	2.7	65
27	Dual Reporter <i>MESP1mCherry/w-NKX2-5eGFP/w</i> hESCs Enable Studying Early Human Cardiac Differentiation. Stem Cells, 2015, 33, 56-67.	3.2	65
28	SIRPA, VCAM1 and CD34 identify discrete lineages during early human cardiovascular development. Stem Cell Research, 2014, 13, 172-179.	0.7	63
29	PGC-1Î± and Reactive Oxygen Species Regulate Human Embryonic Stem Cell-Derived Cardiomyocyte Function. Stem Cell Reports, 2013, 1, 560-574.	4.8	59
30	Cardiac Repair With a Novel Population of Mesenchymal Stem Cells Resident in the Human Heart. Stem Cells, 2015, 33, 3100-3113.	3.2	53
31	Alpha-protein kinase 3 (<i>ALPK3</i>) truncating variants are a cause of autosomal dominant hypertrophic cardiomyopathy. European Heart Journal, 2021, 42, 3063-3073.	2.2	51
32	ALPK3-deficient cardiomyocytes generated from patient-derived induced pluripotent stem cells and mutant human embryonic stem cells display abnormal calcium handling and establish that ALPK3 deficiency underlies familial cardiomyopathy. European Heart Journal, 2016, 37, 2586-2590.	2.2	49
33	Differentiation of Human Pluripotent Stem Cells to Cardiomyocytes Under Defined Conditions. Methods in Molecular Biology, 2014, 1353, 163-180.	0.9	48
34	FOXN1GFP/w Reporter hESCs Enable Identification of Integrin-Î²4, HLA-DR, and EpCAM as Markers of Human PSC-Derived FOXN1+ Thymic Epithelial Progenitors. Stem Cell Reports, 2014, 2, 925-937.	4.8	42
35	Sex-Specific Control of Human Heart Maturation by the Progesterone Receptor. Circulation, 2021, 143, 1614-1628.	1.6	42
36	Developmental paradigms in heart disease: insights from tinman. Annals of Medicine, 2002, 34, 148-156.	3.8	39

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37	Analysis of Mitochondrial Function and Localisation during Human Embryonic Stem Cell Differentiation In Vitro. PLoS ONE, 2012, 7, e52214.	2.5	37
38	CD13 and ROR2 Permit Isolation of Highly Enriched Cardiac Mesoderm from Differentiating Human Embryonic Stem Cells. Stem Cell Reports, 2016, 6, 95-108.	4.8	30
39	Pediatric Anthracyclineâ€Induced Cardiotoxicity: Mechanisms, Pharmacogenomics, and Pluripotent Stemâ€Cell Modeling. Clinical Pharmacology and Therapeutics, 2019, 105, 614-624.	4.7	30
40	Coculturing with endothelial cells promotes in vitro maturation and electrical coupling of human embryonic stem cellâ€"derived cardiomyocytes. Journal of Heart and Lung Transplantation, 2017, 36, 684-693.	0.6	29
41	A tyrosine-rich domain within homeodomain transcription factor Nkx2-5 is an essential element in the early cardiac transcriptional regulatory machinery. Development (Cambridge), 2006, 133, 1311-1322.	2.5	28
42	GAPTrap: A Simple Expression System for Pluripotent Stem Cells and Their Derivatives. Stem Cell Reports, 2016, 7, 518-526.	4.8	27
43	Human Embryonic Stem Cell Derived Mesenchymal Progenitors Express Cardiac Markers but Do Not Form Contractile Cardiomyocytes. PLoS ONE, 2013, 8, e54524.	2.5	26
44	Î²-catenin drives distinct transcriptional networks in proliferative and non-proliferative cardiomyocytes. Development (Cambridge), 2020, 147, .	2.5	24
45	Magnetic Resonance Imaging of Iron Oxide-Labeled Human Embryonic Stem Cell-Derived Cardiac Progenitors. Stem Cells Translational Medicine, 2016, 5, 67-74.	3.3	23
46	The GAL4 System: A Versatile Toolkit for Gene Expression in <i>Drosophila</i>. Cold Spring Harbor Protocols, 2008, 2008, pdb.top49.	0.3	22
47	Exercise cardiovascular magnetic resonance reveals reduced cardiac reserve in pediatric cancer survivors with impaired cardiopulmonary fitness. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 64.	3.3	22
48	Biomarkers of Human Pluripotent Stem Cell-Derived Cardiac Lineages. Trends in Molecular Medicine, 2017, 23, 651-668.	6.7	21
49	Developmental paradigms in heart disease: insights from tinman. Annals of Medicine, 2002, 34, 148-156.	3.8	21
50	Cardiomyocyte differentiation of pluripotent stem cells with SB203580 analogues correlates with Wnt pathway CK1 inhibition independent of p38 MAPK signaling. Journal of Molecular and Cellular Cardiology, 2015, 80, 56-70.	1.9	18
51	Transcriptional Control and Pattern Formation in the Developing Vertebrate Heart. , 1999, , 111-129.		16
52	Stem cell topography splits growth and homeostatic functions in the fish gill. ELife, 2019, 8, .	6.0	16
53	3D-cardiomics: A spatial transcriptional atlas of the mammalian heart. Journal of Molecular and Cellular Cardiology, 2022, 163, 20-32.	1.9	16
54	Isolation and characterization of human embryonic stem cell-derived heart field-specific cardiomyocytes unravels new insights into their transcriptional and electrophysiological profiles. Cardiovascular Research, 2022, 118, 828-843.	3.8	14

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55	Modelling Mitochondrial Disease in Human Pluripotent Stem Cells: What Have We Learned?. International Journal of Molecular Sciences, 2021, 22, 7730.	4.1	14
56	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.	2.6	13
57	Systematic review of pharmacogenomics and adverse drug reactions in paediatric oncology patients. Pediatric Blood and Cancer, 2018, 65, e26937.	1.5	13
58	NK-2 Class Homeodomain Proteins. , 2010, , 569-597.		10
59	Genetic determinants of anthracycline cardiotoxicity â€“ ready for the clinic?. British Journal of Clinical Pharmacology, 2017, 83, 1141-1142.	2.4	10
60	Isolation and characterization of ventricular-like cells derived from NKX2-5 and MLC2v double knock-in human pluripotent stem cells. Biochemical and Biophysical Research Communications, 2018, 495, 1278-1284.	2.1	9
61	Chemotherapyâ€related cardiotoxicity: are Australian practitioners missing the point?. Internal Medicine Journal, 2017, 47, 1166-1172.	0.8	6
62	Evaluating anthracycline cardiotoxicity associated single nucleotide polymorphisms in a paediatric cohort with early onset cardiomyopathy. Cardio-Oncology, 2020, 6, 5.	1.7	6
63	The Australia and New Zealand Cardioâ€Oncology Registry: evaluation of chemotherapyâ€related cardiotoxicity in a national cohort of paediatric cancer patients. Internal Medicine Journal, 2021, 51, 229-234.	0.8	6
64	Effect and application of cryopreserved threeâ€dimensional microcardiac spheroids in myocardial infarction therapy. Clinical and Translational Medicine, 2022, 12, e721.	4.0	5
65	The role of cardiac transcription factor NKX2-5 in regulating the human cardiac miRNAome. Scientific Reports, 2019, 9, 15928.	3.3	3
66	Time to mend a broken heart. Stem Cell Research, 2007, 1, 4-6.	0.7	2
67	Cellular Reprogramming. Circulation: Heart Failure, 2013, 6, 1102-1107.	3.9	2
68	Comparing mouse and human pluripotent stem cell derived cardiac cells: Both systems have advantages for pharmacological and toxicological screening. Journal of Pharmacological and Toxicological Methods, 2015, 74, 17-25.	0.7	2
69	Optimal Detection of Cardiac Sequelae. JACC: CardioOncology, 2021, 3, 154-156.	4.0	0