# David A Elliott

## List of Publications by Year in descending order



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|---|---|---|---|
| 69 papers | 6,252 citations | 109321 35 h-index | 102487 66 g-index |
| 74 all docs | 74 docs citations | 74 times ranked | 8379 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | 3D-cardiomics: A spatial transcriptional atlas of the mammalian heart. Journal of Molecular and Cellular Cardiology, 2022, 163, 20-32. | 1.9 | 16 |
| 3 | Effect and application of cryopreserved threeâ€dimensional microcardiac spheroids in myocardial infarction therapy. Clinical and Translational Medicine, 2022, 12, e721. | 4.0 | 5 |
| 4 | 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 |
| 5 | Optimal Detection of Cardiac Sequelae. JACC: CardioOncology, 2021, 3, 154-156. | 4.0 | 0 |
| 6 | BET inhibition blocks inflammation-induced cardiac dysfunction and SARS-CoV-2 infection. Cell, 2021, 184, 2167-2182.e22. | 28.9 | 131 |
| 7 | Sex-Specific Control of Human Heart Maturation by the Progesterone Receptor. Circulation, 2021, 143, 1614-1628. | 1.6 | 42 |
| 8 | Modelling Mitochondrial Disease in Human Pluripotent Stem Cells: What Have We Learned?. International Journal of Molecular Sciences, 2021, 22, 7730. | 4.1 | 14 |
| 9 | Alpha-protein kinase 3 (ALPK3) truncating variants are a cause of autosomal dominant hypertrophic cardiomyopathy. European Heart Journal, 2021, 42, 3063-3073. | 2.2 | 51 |
| 10 | 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 |
| 11 | Î²-catenin drives distinct transcriptional networks in proliferative and non-proliferative cardiomyocytes. Development (Cambridge), 2020, 147, . | 2.5 | 24 |
| 12 | Evaluating anthracycline cardiotoxicity associated single nucleotide polymorphisms in a paediatric cohort with early onset cardiomyopathy. Cardio-Oncology, 2020, 6, 5. | 1.7 | 6 |
| 13 | The role of cardiac transcription factor NKX2-5 in regulating the human cardiac miRNAome. Scientific Reports, 2019, 9, 15928. | 3.3 | 3 |
| 14 | 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 |
| 15 | Pediatric Anthracyclineâ€Induced Cardiotoxicity: Mechanisms, Pharmacogenomics, and Pluripotent Stemâ€Cell Modeling. Clinical Pharmacology and Therapeutics, 2019, 105, 614-624. | 4.7 | 30 |
| 16 | Stem cell topography splits growth and homeostatic functions in the fish gill. ELife, 2019, 8, . | 6.0 | 16 |
| 17 | NKX2-5 regulates human cardiomyogenesis via a HEY2 dependent transcriptional network. Nature Communications, 2018, 9, 1373. | 12.8 | 77 |
| 18 | Systematic review of pharmacogenomics and adverse drug reactions in paediatric oncology patients. Pediatric Blood and Cancer, 2018, 65, e26937. | 1.5 | 13 |

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|---|---|---|---|
| 19 | 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 |
| 20 | 3D aggregate culture improves metabolic maturation of human pluripotent stem cell derived cardiomyocytes. Biotechnology and Bioengineering, 2018, 115, 630-644. | 3.3 | 108 |
| 21 | 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 |
| 22 | Development of a human cardiac organoid injury model reveals innate regenerative potential. Development (Cambridge), 2017, 144, 1118-1127. | 2.5 | 127 |
| 23 | Genetic determinants of anthracycline cardiotoxicity â€“ ready for the clinic?. British Journal of Clinical Pharmacology, 2017, 83, 1141-1142. | 2.4 | 10 |
| 24 | Chemotherapyâ€related cardiotoxicity: are Australian practitioners missing the point?. Internal Medicine Journal, 2017, 47, 1166-1172. | 0.8 | 6 |
| 25 | Biomarkers of Human Pluripotent Stem Cell-Derived Cardiac Lineages. Trends in Molecular Medicine, 2017, 23, 651-668. | 6.7 | 21 |
| 26 | 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 |
| 27 | 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 |
| 28 | GAPTrap: A Simple Expression System for Pluripotent Stem Cells and Their Derivatives. Stem Cell Reports, 2016, 7, 518-526. | 4.8 | 27 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | Cardiac Repair With a Novel Population of Mesenchymal Stem Cells Resident in the Human Heart. Stem Cells, 2015, 33, 3100-3113. | 3.2 | 53 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|---|---|---|---|
| 37 | Dual Reporter MESP1mCherry/w-NKX2-5eGFP/w hESCs Enable Studying Early Human Cardiac Differentiation. Stem Cells, 2015, 33, 56-67. | 3.2 | 65 |
| 38 | Differentiation of Human Pluripotent Stem Cells to Cardiomyocytes Under Defined Conditions. Methods in Molecular Biology, 2014, 1353, 163-180. | 0.9 | 48 |
| 39 | Controlling Expansion and Cardiomyogenic Differentiation of Human Pluripotent Stem Cells in Scalable Suspension Culture. Stem Cell Reports, 2014, 3, 1132-1146. | 4.8 | 189 |
| 40 | SIRPA, VCAM1 and CD34 identify discrete lineages during early human cardiovascular development. Stem Cell Research, 2014, 13, 172-179. | 0.7 | 63 |
| 41 | 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 |
| 42 | 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 |
| 43 | Cellular Reprogramming. Circulation: Heart Failure, 2013, 6, 1102-1107. | 3.9 | 2 |
| 44 | 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 |
| 45 | PGC-1Î± and Reactive Oxygen Species Regulate Human Embryonic Stem Cell-Derived Cardiomyocyte Function. Stem Cell Reports, 2013, 1, 560-574. | 4.8 | 59 |
| 46 | 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 |
| 47 | Human Embryonic Stem Cell Derived Mesenchymal Progenitors Express Cardiac Markers but Do Not Form Contractile Cardiomyocytes. PLoS ONE, 2013, 8, e54524. | 2.5 | 26 |
| 48 | Congenital Asplenia in Mice and Humans with Mutations in a Pbx/Nkx2-5/p15 Module. Developmental Cell, 2012, 22, 913-926. | 7.0 | 70 |
| 49 | Differentiation of Human Embryonic Stem Cells and Induced Pluripotent Stem Cells to Cardiomyocytes. Circulation Research, 2012, 111, 344-358. | 4.5 | 641 |
| 50 | INS GFP/w human embryonic stem cells facilitate isolation of in vitro derived insulin-producing cells. Diabetologia, 2012, 55, 694-706. | 6.3 | 113 |
| 51 | Analysis of Mitochondrial Function and Localisation during Human Embryonic Stem Cell Differentiation In Vitro. PLoS ONE, 2012, 7, e52214. | 2.5 | 37 |
| 52 | NKX2-5eGFP/w hESCs for isolation of human cardiac progenitors and cardiomyocytes. Nature Methods, 2011, 8, 1037-1040. | 19.0 | 384 |
| 53 | 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 |
| 54 | A Targeted NKX2.1 Human Embryonic Stem Cell Reporter Line Enables Identification of Human Basal Forebrain Derivatives. Stem Cells, 2011, 29, 462-473. | 3.2 | 99 |

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|---|---|---|---|
| 55 | NK-2 Class Homeodomain Proteins. , 2010, , 569-597. | | 10 |
| 56 | Elastomeric nanocomposites as cell delivery vehicles and cardiac support devices. Soft Matter, 2010, 6, 4715. | 2.7 | 65 |
| 57 | The GAL4 System. Methods in Molecular Biology, 2008, 420, 79-95. | 0.9 | 120 |
| 58 | The GAL4 System: A Versatile Toolkit for Gene Expression in Drosophila. Cold Spring Harbor Protocols, 2008, 2008, pdb.top49. | 0.3 | 22 |
| 59 | Time to mend a broken heart. Stem Cell Research, 2007, 1, 4-6. | 0.7 | 2 |
| 60 | 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 |
| 61 | Transcriptional regulation of the murine promoter by cardiac factors Nkx2-5, GATA4 and Tbx5. Cardiovascular Research, 2004, 64, 402-411. | 3.8 | 91 |
| 62 | Independent Regulation of Synaptic Size and Activity by the Anaphase-Promoting Complex. Cell, 2004, 119, 707-718. | 28.9 | 214 |
| 63 | Cardiac homeobox gene NKX2-5mutations and congenital heart disease. Journal of the American College of Cardiology, 2003, 41, 2072-2076. | 2.8 | 231 |
| 64 | 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 |
| 65 | Developmental paradigms in heart disease: insights from tinman. Annals of Medicine, 2002, 34, 148-156. | 3.8 | 39 |
| 66 | Developmental paradigms in heart disease: insights from tinman. Annals of Medicine, 2002, 34, 148-156. | 3.8 | 21 |
| 67 | Homeodomain Factor Nkx2-5 in Heart Development and Disease. Cold Spring Harbor Symposia on Quantitative Biology, 2002, 67, 107-114. | 1.1 | 67 |
| 68 | Cardiac Septal and Valvular Dysmorphogenesis in Mice Heterozygous for Mutations in the Homeobox Gene Nkx2-5. Circulation Research, 2000, 87, 888-895. | 4.5 | 325 |
| 69 | Transcriptional Control and Pattern Formation in the Developing Vertebrate Heart. , 1999, , 111-129. | | 16 |