

# Richard P Harvey

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7157725/richard-p-harvey-publications-by-citations.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

214  
papers

18,198  
citations

68  
h-index

131  
g-index

234  
ext. papers

20,509  
ext. citations

10.7  
avg, IF

6.3  
L-index

#	Paper	IF	Citations
214	Neuregulin 1 and susceptibility to schizophrenia. <i>American Journal of Human Genetics</i> , <b>2002</b> , 71, 877-92	11	1371
213	Myogenic and morphogenetic defects in the heart tubes of murine embryos lacking the homeo box gene Nkx2-5. <i>Genes and Development</i> , <b>1995</b> , 9, 1654-66	12.6	909
212	NK-2 homeobox genes and heart development. <i>Developmental Biology</i> , <b>1996</b> , 178, 203-16	3.1	510
211	Absence of yolk sac hematopoiesis from mice with a targeted disruption of the scl gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1995</b> , 92, 7075-9	11.5	490
210	Disrupted cardiac development but normal hematopoiesis in mice deficient in the second CXCL12/SDF-1 receptor, CXCR7. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 14759-64	11.5	466
209	Identification and cloning of localized maternal RNAs from Xenopus eggs. <i>Cell</i> , <b>1985</b> , 42, 769-77	56.2	443
208	An Nkx2-5/Bmp2/Smad1 negative feedback loop controls heart progenitor specification and proliferation. <i>Cell</i> , <b>2007</b> , 128, 947-59	56.2	418
207	Chamber formation and morphogenesis in the developing mammalian heart. <i>Developmental Biology</i> , <b>2000</b> , 223, 266-78	3.1	399
206	Skeletal muscle hypertrophy is mediated by a Ca <sup>2+</sup> -dependent calcineurin signalling pathway. <i>Nature</i> , <b>1999</b> , 400, 576-81	50.4	389
205	ERBB2 triggers mammalian heart regeneration by promoting cardiomyocyte dedifferentiation and proliferation. <i>Nature Cell Biology</i> , <b>2015</b> , 17, 627-38	23.4	370
204	Patterning the vertebrate heart. <i>Nature Reviews Genetics</i> , <b>2002</b> , 3, 544-56	30.1	338
203	Adult cardiac-resident MSC-like stem cells with a proepicardial origin. <i>Cell Stem Cell</i> , <b>2011</b> , 9, 527-40	18	313
202	Pitx2c and Nkx2-5 are required for the formation and identity of the pulmonary myocardium. <i>Circulation Research</i> , <b>2007</b> , 101, 902-9	15.7	289
201	Molecular pathway for the localized formation of the sinoatrial node. <i>Circulation Research</i> , <b>2007</b> , 100, 354-62	15.7	284
200	Cardiac septal and valvular dysmorphogenesis in mice heterozygous for mutations in the homeobox gene Nkx2-5. <i>Circulation Research</i> , <b>2000</b> , 87, 888-95	15.7	282
199	Mutations in cardiac T-box factor gene TBX20 are associated with diverse cardiac pathologies, including defects of septation and valvulogenesis and cardiomyopathy. <i>American Journal of Human Genetics</i> , <b>2007</b> , 81, 280-91	11	261
198	Homeodomain factor Nkx2-5 controls left/right asymmetric expression of bHLH gene eHand during murine heart development. <i>Genes and Development</i> , <b>1997</b> , 11, 1357-69	12.6	259

197	Formation of the venous pole of the heart from an Nkx2-5-negative precursor population requires Tbx18. <i>Circulation Research</i> , <b>2006</b> , 98, 1555-63	15.7	243
196	Cardiac T-box factor Tbx20 directly interacts with Nkx2-5, GATA4, and GATA5 in regulation of gene expression in the developing heart. <i>Developmental Biology</i> , <b>2003</b> , 262, 206-24	3.1	232
195	Hop is an unusual homeobox gene that modulates cardiac development. <i>Cell</i> , <b>2002</b> , 110, 713-23	56.2	228
194	Fibroblast growth factor-mediated proliferation of central nervous system precursors depends on endogenous production of insulin-like growth factor I. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1991</b> , 88, 2199-203	11.5	219
193	Peripheral nervous system defects in erbB2 mutants following genetic rescue of heart development. <i>Genes and Development</i> , <b>1999</b> , 13, 2538-48	12.6	202
192	XNkx-2.5, a <i>Xenopus</i> gene related to Nkx-2.5 and tinman: evidence for a conserved role in cardiac development. <i>Developmental Biology</i> , <b>1994</b> , 162, 325-8	3.1	202
191	Cardiac homeobox gene NKX2-5 mutations and congenital heart disease: associations with atrial septal defect and hypoplastic left heart syndrome. <i>Journal of the American College of Cardiology</i> , <b>2003</b> , 41, 2072-6	15.1	201
190	Efficient Cre-mediated deletion in cardiac progenitor cells conferred by a 35JTR-ires-Cre allele of the homeobox gene Nkx2-5. <i>International Journal of Developmental Biology</i> , <b>2002</b> , 46, 431-9	1.9	194
189	Phenotypic characterization of spatial cognition and social behavior in mice with $\Delta$ knockoutSof the schizophrenia risk gene neuregulin 1. <i>Neuroscience</i> , <b>2007</b> , 147, 18-27	3.9	193
188	Single-cell expression profiling reveals dynamic flux of cardiac stromal, vascular and immune cells in health and injury. <i>ELife</i> , <b>2019</b> , 8,	8.9	191
187	Endothelial to Mesenchymal Transition in Cardiovascular Disease: JACC State-of-the-Art Review. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 73, 190-209	15.1	189
186	Murine T-box transcription factor Tbx20 acts as a repressor during heart development, and is essential for adult heart integrity, function and adaptation. <i>Development (Cambridge)</i> , <b>2005</b> , 132, 2451-62	6.6	181
185	Long noncoding RNAs in cardiac development and pathophysiology. <i>Circulation Research</i> , <b>2012</b> , 111, 1349-62	15.7	178
184	The nu gene acts cell-autonomously and is required for differentiation of thymic epithelial progenitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1996</b> , 93, 5742-6	11.5	167
183	Murine cerberus homologue mCer-1: a candidate anterior patterning molecule. <i>Developmental Biology</i> , <b>1998</b> , 194, 135-51	3.1	163
182	Nkx2-5 transactivates the Ets-related protein 71 gene and specifies an endothelial/endocardial fate in the developing embryo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 814-9	11.5	160
181	Foxh1 is essential for development of the anterior heart field. <i>Developmental Cell</i> , <b>2004</b> , 7, 331-45	10.2	160
180	Transient tissue priming via ROCK inhibition uncouples pancreatic cancer progression, sensitivity to chemotherapy, and metastasis. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	159

179	The combinatorial activities of Nkx2.5 and dHAND are essential for cardiac ventricle formation. <i>Developmental Biology</i> , <b>2001</b> , 239, 190-203	3.1	158
178	Congenital heart disease: current knowledge about causes and inheritance. <i>Medical Journal of Australia</i> , <b>2012</b> , 197, 155-9	4	155
177	Cardiogenic genes expressed in cardiac fibroblasts contribute to heart development and repair. <i>Circulation Research</i> , <b>2014</b> , 114, 1422-34	15.7	152
176	Chromatin remodelling complex dosage modulates transcription factor function in heart development. <i>Nature Communications</i> , <b>2011</b> , 2, 187	17.4	151
175	Hlx homeo box gene is essential for an inductive tissue interaction that drives expansion of embryonic liver and gut. <i>Genes and Development</i> , <b>1996</b> , 10, 70-9	12.6	142
174	Altered motor activity, exploration and anxiety in heterozygous neuregulin 1 mutant mice: implications for understanding schizophrenia. <i>Genes, Brain and Behavior</i> , <b>2007</b> , 6, 677-87	3.6	140
173	Independently evolving chicken histone H2B genes: identification of a ubiquitous H2B-specific 5S element. <i>Nucleic Acids Research</i> , <b>1982</b> , 10, 7851-63	20.1	134
172	Compensatory growth of healthy cardiac cells in the presence of diseased cells restores tissue homeostasis during heart development. <i>Developmental Cell</i> , <b>2008</b> , 15, 521-33	10.2	133
171	T-box transcription factors and their roles in regulatory hierarchies in the developing heart. <i>Development (Cambridge)</i> , <b>2005</b> , 132, 4897-910	6.6	130
170	Defining the earliest step of cardiovascular progenitor specification during embryonic stem cell differentiation. <i>Journal of Cell Biology</i> , <b>2011</b> , 192, 751-65	7.3	105
169	Alpha-cardiac myosin heavy chain (MYH6) mutations affecting myofibril formation are associated with congenital heart defects. <i>Human Molecular Genetics</i> , <b>2010</b> , 19, 4007-16	5.6	104
168	Links in the left/right axial pathway. <i>Cell</i> , <b>1998</b> , 94, 273-6	56.2	103
167	Microinjection of synthetic Xhox-1A homeobox mRNA disrupts somite formation in developing <i>Xenopus</i> embryos. <i>Cell</i> , <b>1988</b> , 53, 687-97	56.2	101
166	Comprehensive transcriptome and immunophenotype analysis of renal and cardiac MSC-like populations supports strong congruence with bone marrow MSC despite maintenance of distinct identities. <i>Stem Cell Research</i> , <b>2012</b> , 8, 58-73	1.6	99
165	epicardin: A novel basic helix-loop-helix transcription factor gene expressed in epicardium, branchial arch myoblasts, and mesenchyme of developing lung, gut, kidney, and gonads. <i>Developmental Dynamics</i> , <b>1998</b> , 213, 105-13	2.9	95
164	Comparative regenerative mechanisms across different mammalian tissues. <i>Npj Regenerative Medicine</i> , <b>2018</b> , 3, 6	15.8	94
163	Haemogenic endocardium contributes to transient definitive haematopoiesis. <i>Nature Communications</i> , <b>2013</b> , 4, 1564	17.4	94
162	Novel murine homeo box gene on chromosome 1 expressed in specific hematopoietic lineages and during embryogenesis. <i>Genes and Development</i> , <b>1991</b> , 5, 509-20	12.6	93

161	A gain-of-function TBX20 mutation causes congenital atrial septal defects, patent foramen ovale and cardiac valve defects. <i>Journal of Medical Genetics</i> , <b>2010</b> , 47, 230-5	5.8	90
160	Fibroblast growth factor 10 gene regulation in the second heart field by Tbx1, Nkx2-5, and Islet1 reveals a genetic switch for down-regulation in the myocardium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 18273-80	11.5	90
159	Normothermic ex vivo perfusion provides superior organ preservation and enables viability assessment of hearts from DCD donors. <i>American Journal of Transplantation</i> , <b>2015</b> , 15, 371-80	8.7	89
158	Control of cardiac jelly dynamics by NOTCH1 and NRG1 defines the building plan for trabeculation. <i>Nature</i> , <b>2018</b> , 557, 439-445	50.4	88
157	A Universal and Robust Integrated Platform for the Scalable Production of Human Cardiomyocytes From Pluripotent Stem Cells. <i>Stem Cells Translational Medicine</i> , <b>2015</b> , 4, 1482-94	6.9	86
156	Association of the PHACTR1/EDN1 Genetic Locus With Spontaneous Coronary Artery Dissection. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 73, 58-66	15.1	86
155	Disruption to social dyadic interactions but not emotional/anxiety-related behaviour in mice with heterozygous $\Delta$ knockoutSof the schizophrenia risk gene neuregulin-1. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2008</b> , 32, 462-6	5.5	81
154	DAN is a secreted glycoprotein related to Xenopus cerberus. <i>Mechanisms of Development</i> , <b>1998</b> , 77, 173-84		80
153	Increasing the tolerance of DCD hearts to warm ischemia by pharmacological postconditioning. <i>American Journal of Transplantation</i> , <b>2014</b> , 14, 1744-52	8.7	77
152	Advances in the Genetics of Congenital Heart Disease: A Clinician's Guide. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 69, 859-870	15.1	76
151	Antisense-mediated exon skipping: a therapeutic strategy for titin-based dilated cardiomyopathy. <i>EMBO Molecular Medicine</i> , <b>2015</b> , 7, 562-76	12	74
150	The small muscle-specific protein Csl modifies cell shape and promotes myocyte fusion in an insulin-like growth factor 1-dependent manner. <i>Journal of Cell Biology</i> , <b>2001</b> , 153, 985-98	7.3	73
149	H2A.F: an extremely variant histone H2A sequence expressed in the chicken embryo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1983</b> , 80, 2819-23	11.5	72
148	Sexually dimorphic changes in the exploratory and habituation profiles of heterozygous neuregulin-1 knockout mice. <i>NeuroReport</i> , <b>2006</b> , 17, 79-83	1.7	71
147	Phenotypic effects of repeated psychosocial stress during adolescence in mice mutant for the schizophrenia risk gene neuregulin-1: a putative model of gene $\times$ environment interaction. <i>Brain, Behavior, and Immunity</i> , <b>2012</b> , 26, 660-71	16.6	68
146	Nkx2-5(+)/islet1(+) mesenchymal precursors generate distinct spleen stromal cell subsets and participate in restoring stromal network integrity. <i>Immunity</i> , <b>2013</b> , 38, 782-91	32.3	67
145	Molecular pathways in myocardial development: a stem cell perspective. <i>Cardiovascular Research</i> , <b>2003</b> , 58, 264-77	9.9	67
144	Schizophrenia-related endophenotypes in heterozygous neuregulin-1 $\Delta$ knockoutSmice. <i>European Journal of Neuroscience</i> , <b>2010</b> , 31, 349-58	3.5	66

143	A RhoA-FRET Biosensor Mouse for Intravital Imaging in Normal Tissue Homeostasis and Disease Contexts. <i>Cell Reports</i> , <b>2017</b> , 21, 274-288	10.6	65
142	Neuregulin 1 sustains the gene regulatory network in both trabecular and nontrabecular myocardium. <i>Circulation Research</i> , <b>2010</b> , 107, 715-27	15.7	65
141	RNA toxicity in myotonic muscular dystrophy induces NKX2-5 expression. <i>Nature Genetics</i> , <b>2008</b> , 40, 61-8	6.3	65
140	A common Shox2-Nkx2-5 antagonistic mechanism primes the pacemaker cell fate in the pulmonary vein myocardium and sinoatrial node. <i>Development (Cambridge)</i> , <b>2015</b> , 142, 2521-32	6.6	63
139	Functional characterization of a novel mutation in NKX2-5 associated with congenital heart disease and adult-onset cardiomyopathy. <i>Circulation: Cardiovascular Genetics</i> , <b>2013</b> , 6, 238-47		63
138	Combined mutation screening of NKX2-5, GATA4, and TBX5 in congenital heart disease: multiple heterozygosity and novel mutations. <i>Congenital Heart Disease</i> , <b>2012</b> , 7, 151-9	3.1	62
137	Tinman/Nkx2-5 acts via miR-1 and upstream of Cdc42 to regulate heart function across species. <i>Journal of Cell Biology</i> , <b>2011</b> , 193, 1181-96	7.3	61
136	Targeted next-generation sequencing identifies pathogenic variants in familial congenital heart disease. <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 64, 2498-506	15.1	60
135	Single cell analysis of the developing mouse kidney provides deeper insight into marker gene expression and ligand-receptor crosstalk. <i>Development (Cambridge)</i> , <b>2019</b> , 146,	6.6	59
134	Congenital asplenia in mice and humans with mutations in a Pbx/Nkx2-5/p15 module. <i>Developmental Cell</i> , <b>2012</b> , 22, 913-26	10.2	59
133	Developmental origin and lineage plasticity of endogenous cardiac stem cells. <i>Development (Cambridge)</i> , <b>2016</b> , 143, 1242-58	6.6	56
132	Homeodomain factor Nkx2-5 in heart development and disease. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , <b>2002</b> , 67, 107-14	3.9	55
131	Expression of NK-2 class homeobox gene Nkx2-6 in foregut endoderm and heart. <i>Mechanisms of Development</i> , <b>1998</b> , 73, 125-7	1.7	54
130	BMP/SMAD1 signaling sets a threshold for the left/right pathway in lateral plate mesoderm and limits availability of SMAD4. <i>Genes and Development</i> , <b>2008</b> , 22, 3037-49	12.6	53
129	Homeodomain factor Nkx2-3 controls regional expression of leukocyte homing coreceptor MAdCAM-1 in specialized endothelial cells of the viscera. <i>Developmental Biology</i> , <b>2000</b> , 224, 152-67	3.1	53
128	Cardiac deletion of Smyd2 is dispensable for mouse heart development. <i>PLoS ONE</i> , <b>2010</b> , 5, e9748	3.7	52
127	Phenotypic effects of maternal immune activation and early postnatal milieu in mice mutant for the schizophrenia risk gene neuregulin-1. <i>Neuroscience</i> , <b>2014</b> , 277, 294-305	3.9	48
126	Inhibition of Notch2 by Numb/Numbl-like controls myocardial compaction in the heart. <i>Cardiovascular Research</i> , <b>2012</b> , 96, 276-85	9.9	48

125	GATA4 mutations in 357 unrelated patients with congenital heart malformation. <i>Genetic Testing and Molecular Biomarkers</i> , <b>2010</b> , 14, 797-802	1.6	47
124	Heart field origin of great vessel precursors relies on nkx2.5-mediated vasculogenesis. <i>Nature Cell Biology</i> , <b>2013</b> , 15, 1362-9	23.4	46
123	NKX2-5 regulates human cardiomyogenesis via a HEY2 dependent transcriptional network. <i>Nature Communications</i> , <b>2018</b> , 9, 1373	17.4	45
122	Transcriptional heterogeneity of fibroblasts is a hallmark of the aging heart. <i>JCI Insight</i> , <b>2019</b> , 4,	9.9	44
121	Intravital Imaging to Monitor Therapeutic Response in Moving Hypoxic Regions Resistant to PI3K Pathway Targeting in Pancreatic Cancer. <i>Cell Reports</i> , <b>2018</b> , 23, 3312-3326	10.6	43
120	Loss of Cited2 causes congenital heart disease by perturbing left-right patterning of the body axis. <i>Human Molecular Genetics</i> , <b>2011</b> , 20, 1097-110	5.6	42
119	Nkx2-5 represses Gata1 gene expression and modulates the cellular fate of cardiac progenitors during embryogenesis. <i>Circulation</i> , <b>2011</b> , 123, 1633-41	16.7	40
118	Targeted insertion of a lacZ reporter gene into the mouse Cer1 locus reveals complex and dynamic expression during embryogenesis. <i>Genesis</i> , <b>2000</b> , 26, 259-64	1.9	40
117	Cardiac Repair With a Novel Population of Mesenchymal Stem Cells Resident in the Human Heart. <i>Stem Cells</i> , <b>2015</b> , 33, 3100-13	5.8	39
116	Zac1 is an essential transcription factor for cardiac morphogenesis. <i>Circulation Research</i> , <b>2010</b> , 106, 1083-91	11.7	38
115	Architectural defects in the spleens of Nkx2-3-deficient mice are intrinsic and associated with defects in both B cell maturation and T cell-dependent immune responses. <i>Journal of Immunology</i> , <b>2003</b> , 170, 4002-10	5.3	37
114	Developmental origins and lineage descendants of endogenous adult cardiac progenitor cells. <i>Stem Cell Research</i> , <b>2014</b> , 13, 592-614	1.6	36
113	musculin: a murine basic helix-loop-helix transcription factor gene expressed in embryonic skeletal muscle. <i>Mechanisms of Development</i> , <b>1998</b> , 76, 197-201	1.7	36
112	Widespread expression of MyoD genes in Xenopus embryos is amplified in presumptive muscle as a delayed response to mesoderm induction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1991</b> , 88, 9198-202	11.5	36
111	Single cell sequencing reveals endothelial plasticity with transient mesenchymal activation after myocardial infarction. <i>Nature Communications</i> , <b>2021</b> , 12, 681	17.4	36
110	Rotary ATPases: models, machine elements and technical specifications. <i>Bioarchitecture</i> , <b>2013</b> , 3, 2-12		35
109	Developmental paradigms in heart disease: insights from tinman. <i>Annals of Medicine</i> , <b>2002</b> , 34, 148-156	1.5	35
108	Cardiac looping--an uneasy deal with laterality. <i>Seminars in Cell and Developmental Biology</i> , <b>1998</b> , 9, 101-8	9.5	35

107	Non-tandem arrangement and divergent transcription of chicken histone genes. <i>Nature</i> , <b>1981</b> , 294, 49-53	50.4	34
106	Vertebrate histone genes: nucleotide sequence of a chicken H2A gene and regulatory flanking sequences. <i>Nucleic Acids Research</i> , <b>1981</b> , 9, 3119-28	20.1	34
105	NKX2-5 mutations causative for congenital heart disease retain functionality and are directed to hundreds of targets. <i>ELife</i> , <b>2015</b> , 4,	8.9	34
104	Pathophysiological Trends During Withdrawal of Life Support: Implications for Organ Donation After Circulatory Death. <i>Transplantation</i> , <b>2016</b> , 100, 2621-2629	1.8	32
103	Responsiveness of naive CD4 T cells to polarizing cytokine determines the ratio of Th1 and Th2 cell differentiation. <i>Journal of Immunology</i> , <b>2006</b> , 176, 1553-60	5.3	31
102	Cardiac outflow tract development relies on the complex function of Sox4 and Sox11 in multiple cell types. <i>Cellular and Molecular Life Sciences</i> , <b>2014</b> , 71, 2931-45	10.3	30
101	Seeking a regulatory roadmap for heart morphogenesis. <i>Seminars in Cell and Developmental Biology</i> , <b>1999</b> , 10, 99-107	7.5	30
100	Complex SUMO-1 regulation of cardiac transcription factor Nkx2-5. <i>PLoS ONE</i> , <b>2011</b> , 6, e24812	3.7	29
99	Expression of Slit and Robo genes in the developing mouse heart. <i>Developmental Dynamics</i> , <b>2010</b> , 239, 3303-11	2.9	29
98	Differential binding of an SRF/NK-2/MEF2 transcription factor complex in normal versus neoplastic smooth muscle tissues. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 34637-50	5.4	29
97	Transcription from the intron-containing chicken histone H2A.F gene is not S-phase regulated. <i>Nucleic Acids Research</i> , <b>1989</b> , 17, 1745-56	20.1	29
96	Precardiac deletion of Numb and Numbl like reveals renewal of cardiac progenitors. <i>ELife</i> , <b>2014</b> , 3, e02164	8.9	29
95	Gene-environment interaction impacts on heart development and embryo survival. <i>Development (Cambridge)</i> , <b>2019</b> , 146,	6.6	29
94	Platelet-derived growth factor (PDGF) signaling directs cardiomyocyte movement toward the midline during heart tube assembly. <i>ELife</i> , <b>2017</b> , 6,	8.9	28
93	Genetic networks governing heart development. <i>Cold Spring Harbor Perspectives in Medicine</i> , <b>2014</b> , 4, a013839	5.4	28
92	Somatic mutations in NKX2B, GATA4, and HAND1 are not a common cause of tetralogy of Fallot or hypoplastic left heart. <i>American Journal of Medical Genetics, Part A</i> , <b>2011</b> , 155A, 2416-21	2.5	28
91	Histone genes are clustered with a 15-kilobase repeat in the chicken genome. <i>Nature</i> , <b>1979</b> , 279, 132-6	50.4	28
90	CompGO: an R package for comparing and visualizing Gene Ontology enrichment differences between DNA binding experiments. <i>BMC Bioinformatics</i> , <b>2015</b> , 16, 275	3.6	27



89	c-Kit function is necessary for in vitro myogenic differentiation of bone marrow hematopoietic cells. <i>Stem Cells</i> , <b>2009</b> , 27, 1911-20	5.8	27
88	The cardiac expression of striated muscle LIM protein 1 (SLIM1) is restricted to the outflow tract of the developing heart. <i>Journal of Molecular and Cellular Cardiology</i> , <b>1999</b> , 31, 837-43	5.8	27
87	Characterization of Pitx2c expression in the mouse heart using a reporter transgene. <i>Developmental Dynamics</i> , <b>2011</b> , 240, 195-203	2.9	26
86	Identification of clinically actionable variants from genome sequencing of families with congenital heart disease. <i>Genetics in Medicine</i> , <b>2019</b> , 21, 1111-1120	8.1	25
85	A tyrosine-rich domain within homeodomain transcription factor Nkx2-5 is an essential element in the early cardiac transcriptional regulatory machinery. <i>Development (Cambridge)</i> , <b>2006</b> , 133, 1311-22	6.6	24
84	Arrhythmia induced by spatiotemporal overexpression of calreticulin in the heart. <i>Molecular Genetics and Metabolism</i> , <b>2007</b> , 91, 285-93	3.7	24
83	MyoD protein expression in <i>Xenopus</i> embryos closely follows a mesoderm induction-dependent amplification of MyoD transcription and is synchronous across the future somite axis. <i>Mechanisms of Development</i> , <b>1992</b> , 37, 141-9	1.7	23
82	Platelet-derived growth factor-AB improves scar mechanics and vascularity after myocardial infarction. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	23
81	Tissue-Resident PDGFR $\beta$ Progenitor Cells Contribute to Fibrosis versus Healing in a Context- and Spatiotemporally Dependent Manner. <i>Cell Reports</i> , <b>2020</b> , 30, 555-570.e7	10.6	22
80	Deletion of Nkx2-5 in trabecular myocardium reveals the developmental origins of pathological heterogeneity associated with ventricular non-compaction cardiomyopathy. <i>PLoS Genetics</i> , <b>2018</b> , 14, e1007502	6	22
79	Conformational stability and DNA binding specificity of the cardiac T-box transcription factor Tbx20. <i>Journal of Molecular Biology</i> , <b>2009</b> , 389, 606-18	6.5	22
78	Sierra: discovery of differential transcript usage from polyA-captured single-cell RNA-seq data. <i>Genome Biology</i> , <b>2020</b> , 21, 167	18.3	21
77	Disruption of thermal nociceptive behaviour in mice mutant for the schizophrenia-associated genes NRG1, COMT and DISC1. <i>Brain Research</i> , <b>2010</b> , 1348, 114-9	3.7	21
76	Quantitative trait loci modifying cardiac atrial septal morphology and risk of patent foramen ovale in the mouse. <i>Circulation Research</i> , <b>2006</b> , 98, 651-8	15.7	21
75	The Hlx homeobox transcription factor is required early in enteric nervous system development. <i>BMC Developmental Biology</i> , <b>2006</b> , 6, 33	3.1	21
74	Nkx2-5 mediates differential cardiac differentiation through interaction with Hoxa10. <i>Stem Cells and Development</i> , <b>2013</b> , 22, 2211-20	4.4	20
73	Uncontrolled angiogenic precursor expansion causes coronary artery anomalies in mice lacking Pofut1. <i>Nature Communications</i> , <b>2017</b> , 8, 578	17.4	20
72	Muscle costameric protein, Chisel/Smpx, associates with focal adhesion complexes and modulates cell spreading in vitro via a Rac1/p38 pathway. <i>Experimental Cell Research</i> , <b>2005</b> , 307, 367-80	4.2	20

71	Hypoplastic left heart syndrome: new genetic insights. <i>Journal of the American College of Cardiology</i> , <b>2009</b> , 53, 1072-4	15.1	19
70	Generation of conditional Cited2 null alleles. <i>Genesis</i> , <b>2006</b> , 44, 579-83	1.9	19
69	Developmental paradigms in heart disease: insights from tinman		19
68	Localized maternal mRNAs in <i>Xenopus laevis</i> eggs. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , <b>1985</b> , 50, 21-30	3.9	19
67	Selective inhibition of human group IIA-secreted phospholipase A2 (hGIIA) signaling reveals arachidonic acid metabolism is associated with colocalization of hGIIA to vimentin in rheumatoid synoviocytes. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 15269-79	5.4	18
66	Update on the use of stem cells for cardiac disease. <i>Internal Medicine Journal</i> , <b>2005</b> , 35, 348-56	1.6	18
65	Nkx2.5 marks angioblasts that contribute to hemogenic endothelium of the endocardium and dorsal aorta. <i>ELife</i> , <b>2017</b> , 6,	8.9	17
64	A novel conditional mouse model for Nkx2-5 reveals transcriptional regulation of cardiac ion channels. <i>Differentiation</i> , <b>2016</b> , 91, 29-41	3.5	17
63	Irreversible triggers for hypertrophic cardiomyopathy are established in the early postnatal period. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 65, 560-9	15.1	17
62	Conserved linkage of NK-2 homeobox gene pairs Nkx2-2/2-4 and Nkx2-1/2-9 in mammals. <i>Mammalian Genome</i> , <b>2000</b> , 11, 466-8	3.2	17
61	Isolation of a genomic clone containing chicken histone genes. <i>Nucleic Acids Research</i> , <b>1979</b> , 7, 1787-98	20.1	16
60	Genetic burden and associations with adverse neurodevelopment in neonates with congenital heart disease. <i>American Heart Journal</i> , <b>2018</b> , 201, 33-39	4.9	15
59	An endothelial contribution to coronary vessels. <i>Cell</i> , <b>2012</b> , 151, 932-4	56.2	15
58	Molecular analysis of PRKAG2, LAMP2, and NKX2-5 genes in a cohort of 125 patients with accessory atrioventricular connection. <i>American Journal of Medical Genetics, Part A</i> , <b>2009</b> , 149A, 1574-7	2.5	15
57	Point mutations in murine phenocopy human congenital heart disease and induce pathogenic Wnt signaling. <i>JCI Insight</i> , <b>2017</b> , 2, e88271	9.9	15
56	Epicardial Origin of Resident Mesenchymal Stem Cells in the Adult Mammalian Heart. <i>Journal of Developmental Biology</i> , <b>2014</b> , 2, 117-137	3.5	14
55	Essential role for the lymphostromal plasma membrane Ly-6 superfamily molecule thymic shared antigen 1 in development of the embryonic adrenal gland. <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 946-52	4.8	14
54	Basic Biology of Extracellular Matrix in the Cardiovascular System, Part 1/4: JACC Focus Seminar. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 75, 2169-2188	15.1	13

53	Pressure Overload by Transverse Aortic Constriction Induces Maladaptive Hypertrophy in a Titin-Truncated Mouse Model. <i>BioMed Research International</i> , <b>2015</b> , 2015, 163564	3	13
52	Epithelial to mesenchymal transition as a portal to stem cell characters embedded in gene networks. <i>BioEssays</i> , <b>2013</b> , 35, 191-200	4.1	13
51	Conditional (loxP-flanked) allele for the gene encoding the retinoic acid-synthesizing enzyme retinaldehyde dehydrogenase 2 (RALDH2). <i>Genesis</i> , <b>2006</b> , 44, 155-8	1.9	13
50	Developmental paradigms in heart disease: insights from tinman. <i>Annals of Medicine</i> , <b>2002</b> , 34, 148-56	1.5	13
49	Cardiomyocytes Replicate and their Numbers Increase in Young Hearts. <i>Cell</i> , <b>2015</b> , 163, 783-4	56.2	12
48	Large-Scale Production of Cardiomyocytes from Human Pluripotent Stem Cells Using a Highly Reproducible Small Molecule-Based Differentiation Protocol. <i>Journal of Visualized Experiments</i> , <b>2016</b> ,	1.6	12
47	Gene-environment interaction demonstrates the vulnerability of the embryonic heart. <i>Developmental Biology</i> , <b>2014</b> , 391, 99-110	3.1	12
46	Landmarks and lineages in the developing heart. <i>Circulation Research</i> , <b>2009</b> , 104, 1235-7	15.7	12
45	High-resolution genetic analysis of a deletion on mouse chromosome 17 extending over the fused, tufted, and homeobox Nkx2-5 loci. <i>Mammalian Genome</i> , <b>1994</b> , 5, 814-6	3.2	12
44	Transcriptional Control and Pattern Formation in the Developing Vertebrate Heart <b>1999</b> , 111-129		12
43	Bioengineered FSTL1 Patches Restore Cardiac Function Following Myocardial Infarction. <i>Trends in Molecular Medicine</i> , <b>2015</b> , 21, 731-733	11.5	11
42	Hif-1a suppresses ROS-induced proliferation of cardiac fibroblasts following myocardial infarction. <i>Cell Stem Cell</i> , <b>2021</b> ,	18	11
41	Epistatic and Independent Effects on Schizophrenia-Related Phenotypes Following Co-disruption of the Risk Factors Neuregulin-1 $\beta$ and DISC1. <i>Schizophrenia Bulletin</i> , <b>2017</b> , 43, 214-225	1.3	10
40	Author response: Single-cell expression profiling reveals dynamic flux of cardiac stromal, vascular and immune cells in health and injury <b>2019</b> ,		10
39	A rapid co-culture stamping device for studying intercellular communication. <i>Scientific Reports</i> , <b>2016</b> , 6, 35618	4.9	9
38	PDGFR $\beta$ signaling in cardiac fibroblasts modulates quiescence, metabolism and self-renewal, and promotes anatomical and functional repair		9
37	The promises and challenges of exome sequencing in familial, non-syndromic congenital heart disease. <i>International Journal of Cardiology</i> , <b>2017</b> , 230, 155-163	3.2	8
36	NK-2 Class Homeodomain Proteins <b>2010</b> , 569-597		8

35	Structural and functional characterization of the mouse Hlx homeobox gene. <i>Mammalian Genome</i> , <b>2000</b> , 11, 836-42	3.2	8
34	Human cerberus related gene CER1 maps to chromosome 9. <i>Genomics</i> , <b>1999</b> , 55, 364-6	4.3	8
33	Prediction and validation of protein-protein interactors from genome-wide DNA-binding data using a knowledge-based machine-learning approach. <i>Open Biology</i> , <b>2016</b> , 6,	7	8
32	Analysis of steric effects in DamID profiling of transcription factor target genes. <i>Genomics</i> , <b>2017</b> , 109, 75-82	4.3	7
31	Phenotype of spontaneous orofacial dyskinesia in neuregulin-1 knockout mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2009</b> , 33, 330-3	5.5	7
30	The murine homeobox genes Nkx2.3 and Nkx2.6 are located on chromosomes 19 and 14, respectively. <i>Genomics</i> , <b>1994</b> , 22, 655-6	4.3	7
29	Loss of Rearranged L-Myc Fusion (RLF) results in defects in heart development in the mouse. <i>Differentiation</i> , <b>2017</b> , 94, 8-20	3.5	6
28	Two CCAAT boxes in a novel inverted repeat motif are required for Hlx homeobox gene expression. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>2001</b> , 1519, 96-105		6
27	Perinatal angiogenesis from pre-existing coronary vessels via DLL4-NOTCH1 signalling. <i>Nature Cell Biology</i> , <b>2021</b> , 23, 967-977	23.4	6
26	Analysis of cardiac stem cell self-renewal dynamics in serum-free medium by single cell lineage tracking. <i>Stem Cell Research</i> , <b>2018</b> , 28, 115-124	1.6	5
25	A critical time for stem cell research in Australia. <i>Cell Stem Cell</i> , <b>2008</b> , 2, 118-22	18	5
24	Single allele mutations at the heart of congenital disease. <i>Journal of Clinical Investigation</i> , <b>1999</b> , 104, 1483-4	15.9	5
23	Molecular Determinants of Cardiac Development and Congenital Disease <b>2002</b> , 331-370		5
22	Finding the Petroclival Carotid Artery: The Vidian-Eustachian Junction as a Reliable Landmark. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , <b>2018</b> , 79, 361-366	1.5	5
21	Regeneration of infarcted mouse hearts by cardiovascular tissue formed via the direct reprogramming of mouse fibroblasts. <i>Nature Biomedical Engineering</i> , <b>2021</b> , 5, 880-896	19	5
20	Altered cytokine profile, pain sensitivity, and stress responsivity in mice with co-disruption of the developmental genes Neuregulin-1/DISC1. <i>Behavioural Brain Research</i> , <b>2017</b> , 320, 113-118	3.4	4
19	Wnt inhibition promotes vascular specification of embryonic cardiac progenitors. <i>Development (Cambridge)</i> , <b>2018</b> , 145,	6.6	4
18	Assignment of the human helix-loop-helix transcription factor gene musculin/activated B-cell factor-1 (MSC) to chromosome 8q21 and its mouse homologue (Msc) to the proximal region of chromosome 1. <i>Genomics</i> , <b>1999</b> , 57, 318-9	4.3	4

17	Lack of genetic interaction between Tbx20 and Tbx3 in early mouse heart development. <i>PLoS ONE</i> , <b>2013</b> , 8, e70149	3.7	3
16	Sierra: discovery of differential transcript usage from polyA-captured single-cell RNA-seq data		3
15	Specialized Information Processing Deficits and Distinct Metabolomic Profiles Following TM-Domain Disruption of Nrg1. <i>Schizophrenia Bulletin</i> , <b>2017</b> , 43, 1100-1113	1.3	2
14	Bioengineering and Stem Cell Technology in the Treatment of Congenital Heart Disease. <i>Journal of Clinical Medicine</i> , <b>2015</b> , 4, 768-81	5.1	2
13	The ontogeny of cardiac regeneration. <i>Circulation Research</i> , <b>2011</b> , 108, 1304-5	15.7	2
12	Time to mend a broken heart. <i>Stem Cell Research</i> , <b>2007</b> , 1, 4-6	1.6	2
11	Investigation of association between PFO complicated by cryptogenic stroke and a common variant of the cardiac transcription factor GATA4. <i>PLoS ONE</i> , <b>2011</b> , 6, e20711	3.7	2
10	Conserved Role of the Large Conductance Calcium-Activated Potassium Channel, K1.1, in Sinus Node Function and Arrhythmia Risk. <i>Circulation Genomic and Precision Medicine</i> , <b>2021</b> , 14, e003144	5.2	2
9	Expression of cardiac muscle markers in rat myocyte cell lines. <i>Molecular and Cellular Biochemistry</i> , <b>1996</b> , 157, 87-91	4.2	1
8	Whole genome sequencing in transposition of the great arteries and associations with clinically relevant heart, brain and laterality genes. <i>American Heart Journal</i> , <b>2021</b> , 244, 1-13	4.9	1
7	Cardiomyogenic Precursor Cells in the Mammalian Embryo: Induction, Heterogeneity, and Morphogenesis <b>2004</b> , 305-315		1
6	Platelet-Derived Growth Factor Receptor Type $\alpha$ Activation Drives Pulmonary Vascular Remodeling Via Progenitor Cell Proliferation and Induces Pulmonary Hypertension.. <i>Journal of the American Heart Association</i> , <b>2022</b> , e023021	6	1
5	Quantitative 3D analysis and visualization of cardiac fibrosis by microcomputed tomography.. <i>STAR Protocols</i> , <b>2022</b> , 3, 101055	1.4	0
4	Live cell imaging and single cell tracking of mesenchymal stromal cells in vitro <b>2016</b> , 323-346		0
3	FACS Enrichment of Total Interstitial Cells and Fibroblasts from Adult Mouse Ventricles. <i>Bio-protocol</i> , <b>2021</b> , 11, e4028	0.9	0
2	Defining the earliest step of cardiovascular progenitor specification during embryonic stem cell differentiation. <i>Journal of Experimental Medicine</i> , <b>2011</b> , 208, i5-i5	16.6	
1	Tinman/Nkx2-5 acts via miR-1 and upstream of Cdc42 to regulate heart function across species. <i>Journal of Experimental Medicine</i> , <b>2011</b> , 208, i20-i20	16.6	