Richard P Harvey

List of Publications by Year
in descending order

217 papers	22,084 citations	9264 74 h-index	9589 142 g-index
234 all docs	234 docs citations	234 times ranked	21662 citing authors

#	Article	IF	Citations
1	Neuregulin 1 and Susceptibility to Schizophrenia. American Journal of Human Genetics, 2002, 71, 877-892.	6.2	1,550
2	Myogenic and morphogenetic defects in the heart tubes of murine embryos lacking the homeo box gene Nkx2-5.. Genes and Development, 1995, 9, 1654-1666.	5.9	1,018
3	NK-2Homeobox Genes and Heart Development. Developmental Biology, 1996, 178, 203-216.	2.0	544
4	Disrupted cardiac development but normal hematopoiesis in mice deficient in the second CXCL12/SDF-1 receptor, CXCR7. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14759-14764.	7.1	541
5	ERBB2 triggers mammalian heart regeneration byÂpromoting cardiomyocyte dedifferentiation andÂproliferation. Nature Cell Biology, 2015, 17, 627-638.	10.3	541
6	Absence of yolk sac hematopoiesis from mice with a targeted disruption of the scl gene.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 7075-7079.	7.1	528
7	Identification and cloning of localized maternal RNAs from xenopus eggs. Cell, 1985, 42, 769-777.	28.9	475
8	An Nkx2-5/Bmp2/Smad1 Negative Feedback Loop Controls Heart Progenitor Specification and Proliferation. Cell, 2007, 128, 947-959.	28.9	470
9	Chamber Formation and Morphogenesis in the Developing Mammalian Heart. Developmental Biology, 2000, 223, 266-278.	2.0	447
10	Skeletal muscle hypertrophy is mediated by a Ca2+-dependent calcineurin signalling pathway. Nature, 1999, 400, 576-581.	27.8	418
11	Patterning the vertebrate heart. Nature Reviews Genetics, 2002, 3, 544-556.	16.3	396
12	Single-cell expression profiling reveals dynamic flux of cardiac stromal, vascular and immune cells in health and injury. ELife, 2019, 8, .	6.0	379
13	Pitx2c and Nkx2-5 Are Required for the Formation and Identity of the Pulmonary Myocardium. Circulation Research, 2007, 101, 902-909.	4.5	370
14	Adult Cardiac-Resident MSC-like Stem Cells with a Proepicardial Origin. Cell Stem Cell, 2011, 9, 527-540.	11.1	358
15	Endothelial to Mesenchymal Transition inÂCardiovascular Disease. Journal of the American College of Cardiology, 2019, 73, 190-209.	2.8	357
16	Molecular Pathway for the Localized Formation of the Sinoatrial Node. Circulation Research, 2007, 100, 354-362.	4.5	331
17	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
18	Mutations in Cardiac T-Box Factor Gene TBX20 Are Associated with Diverse Cardiac Pathologies, Including Defects of Septation and Valvulogenesis and Cardiomyopathy. American Journal of Human Genetics, 2007, 81, 280-291.	6.2	317

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19	Homeodomain factor Nkx2-5 controls left/right asymmetric expression of bHLH gene eHand during murine heart development.. Genes and Development, 1997, 11, 1357-1369.	5.9	291
20	Formation of the Venous Pole of the Heart From an Nkx2â€“5 â€“Negative Precursor Population Requires Tbx18. Circulation Research, 2006, 98, 1555-1563.	4.5	263
21	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
22	Hop Is an Unusual Homeobox Gene that Modulates Cardiac Development. Cell, 2002, 110, 713-723.	28.9	256
23	Fibroblast growth factor-mediated proliferation of central nervous system precursors depends on endogenous production of insulin-like growth factor I.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 2199-2203.	7.1	234
24	Cardiac homeobox gene NKX2-5mutations and congenital heart disease. Journal of the American College of Cardiology, 2003, 41, 2072-2076.	2.8	231
25	Efficient Cre-mediated deletion in cardiac progenitor cells conferred by a 3'UTR-ires-Cre allele of the homeobox gene Nkx2-5. International Journal of Developmental Biology, 2002, 46, 431-9.	0.6	223
26	Long Noncoding RNAs in Cardiac Development and Pathophysiology. Circulation Research, 2012, 111, 1349-1362.	4.5	220
27	Murine T-box transcription factor Tbx20 acts as a repressor during heart development, and is essential for adult heart integrity, function and adaptation. Development (Cambridge), 2005, 132, 2451-2462.	2.5	218
28	Peripheral nervous system defects in erbB2 mutants following genetic rescue of heart development. Genes and Development, 1999, 13, 2538-2548.	5.9	217
29	Phenotypic characterization of spatial cognition and social behavior in mice with â€˜knockoutâ€™ of the schizophrenia risk gene neuregulin 1. Neuroscience, 2007, 147, 18-27.	2.3	213
30	Congenital heart disease: current knowledge about causes and inheritance. Medical Journal of Australia, 2012, 197, 155-159.	1.7	209
31	Transient tissue priming via ROCK inhibition uncouples pancreatic cancer progression, sensitivity to chemotherapy, and metastasis. Science Translational Medicine, 2017, 9, .	12.4	208
32	XNkx-2.5, a Xenopus Gene Related to Nkx-2.5 and tinman: Evidence for a Conserved Role in Cardiac Development. Developmental Biology, 1994, 162, 325-328.	2.0	205
33	The nu gene acts cell-autonomously and is required for differentiation of thymic epithelial progenitors.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5742-5746.	7.1	199
34	Nkx2â€“5 transactivates the Ets-related protein 71 gene and specifies an endothelial/endocardial fate in the developing embryo. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 814-819.	7.1	195
35	Cardiogenic Genes Expressed in Cardiac Fibroblasts Contribute to Heart Development and Repair. Circulation Research, 2014, 114, 1422-1434.	4.5	188
36	Chromatin remodelling complex dosage modulates transcription factor function in heart development. Nature Communications, 2011, 2, 187.	12.8	175

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37	Foxh1 Is Essential for Development of the Anterior Heart Field. Developmental Cell, 2004, 7, 331-345.	7.0	173
38	Murine Cerberus Homologue mCer-1: A Candidate Anterior Patterning Molecule. Developmental Biology, 1998, 194, 135-151.	2.0	171
39	The Combinatorial Activities of Nkx2.5 and dHAND Are Essential for Cardiac Ventricle Formation. Developmental Biology, 2001, 239, 190-203.	2.0	168
40	Hlx homeo box gene is essential for an inductive tissue interaction that drives expansion of embryonic liver and gut.. Genes and Development, 1996, 10, 70-79.	5.9	161
41	Compensatory Growth of Healthy Cardiac Cells in the Presence of Diseased Cells Restores Tissue Homeostasis during Heart Development. Developmental Cell, 2008, 15, 521-533.	7.0	159
42	Single cell sequencing reveals endothelial plasticity with transient mesenchymal activation after myocardial infarction. Nature Communications, 2021, 12, 681.	12.8	158
43	Altered motor activity, exploration and anxiety in heterozygous neuregulin 1 mutant mice: implications for understanding schizophrenia. Genes, Brain and Behavior, 2007, 6, 677-687.	2.2	157
44	Comparative regenerative mechanisms across different mammalian tissues. Npj Regenerative Medicine, 2018, 3, 6.	5.2	157
45	Association of the PHACTR1/EDN1 Genetic Locus With Spontaneous Coronary Artery Dissection. Journal of the American College of Cardiology, 2019, 73, 58-66.	2.8	147
46	Control of cardiac jelly dynamics by NOTCH1 and NRG1 defines the building plan for trabeculation. Nature, 2018, 557, 439-445.	27.8	144
47	T-box transcription factors and their roles in regulatory hierarchies in the developing heart. Development (Cambridge), 2005, 132, 4897-4910.	2.5	142
48	Independently evolving chicken histone H2B genes: identification of a ubiquitous H2B-specific 5â€² element. Nucleic Acids Research, 1982, 10, 7851-7863.	14.5	141
49	Î±-Cardiac myosin heavy chain (MYH6) mutations affecting myofibril formation are associated with congenital heart defects. Human Molecular Genetics, 2010, 19, 4007-4016.	2.9	131
50	Single cell analysis of the developing mouse kidney provides deeper insight into marker gene expression and ligand-receptor crosstalk. Development (Cambridge), 2019, 146, .	2.5	123
51	Links in the Left/Right Axial Pathway. Cell, 1998, 94, 273-276.	28.9	122
52	Haemogenic endocardium contributes to transient definitive haematopoiesis. Nature Communications, 2013, 4, 1564.	12.8	119
53	Microinjection of synthetic Xhox-1A homeobox mRNA disrupts somite formation in developing Xenopus embryos. Cell, 1988, 53, 687-697.	28.9	115
54	Advances in the Genetics of Congenital HeartÂDisease. Journal of the American College of Cardiology, 2017, 69, 859-870.	2.8	115

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55	Defining the earliest step of cardiovascular progenitor specification during embryonic stem cell differentiation. Journal of Cell Biology, 2011, 192, 751-765.	5.2	114
56	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. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18273-18280.	7.1	109
57	A gain-of-function TBX20 mutation causes congenital atrial septal defects, patent foramen ovale and cardiac valve defects. Journal of Medical Genetics, 2010, 47, 230-235.	3.2	108
58	Normothermic Ex Vivo Perfusion Provides Superior Organ Preservation and Enables Viability Assessment of Hearts From DCD Donors. American Journal of Transplantation, 2015, 15, 371-380.	4.7	108
59	Comprehensive transcriptome and immunophenotype analysis of renal and cardiac MSC-like populations supports strong congruence with bone marrow MSC despite maintenance of distinct identities. Stem Cell Research, 2012, 8, 58-73.	0.7	107
60	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. Developmental Dynamics, 1998, 213, 105-113.	1.8	105
61	Increasing the Tolerance of DCD Hearts to Warm Ischemia by Pharmacological Postconditioning. American Journal of Transplantation, 2014, 14, 1744-1752.	4.7	105
62	A common Shox2-Nkx2-5 antagonistic mechanism primes the pacemaking cell fate in the pulmonary vein myocardium and sinoatrial node. Development (Cambridge), 2015, 142, 2521-32.	2.5	105
63	Novel murine homeo box gene on chromosome 1 expressed in specific hematopoietic lineages and during embryogenesis.. Genes and Development, 1991, 5, 509-520.	5.9	104
64	A Universal and Robust Integrated Platform for the Scalable Production of Human Cardiomyocytes From Pluripotent Stem Cells. Stem Cells Translational Medicine, 2015, 4, 1482-1494.	3.3	104
65	Transcriptional heterogeneity of fibroblasts is a hallmark of the aging heart. JCI Insight, 2019, 4, .	5.0	101
66	Antisenseâ€mediated exon skipping: a therapeutic strategy for titinâ€based dilated cardiomyopathy. EMBO Molecular Medicine, 2015, 7, 562-576.	6.9	94
67	Disruption to social dyadic interactions but not emotional/anxiety-related behaviour in mice with heterozygous â€˜knockoutâ€™ of the schizophrenia risk gene neuregulin-1. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2008, 32, 462-466.	4.8	87
68	Targeted Next-Generation Sequencing Identifies Pathogenic Variants in Familial Congenital Heart Disease. Journal of the American College of Cardiology, 2014, 64, 2498-2506.	2.8	85
69	DAN is a secreted glycoprotein related to Xenopus cerberus. Mechanisms of Development, 1998, 77, 173-184.	1.7	84
70	The Small Muscle-Specific Protein Csl Modifies Cell Shape and Promotes Myocyte Fusion in an Insulin-like Growth Factor 1â€“Dependent Manner. Journal of Cell Biology, 2001, 153, 985-998.	5.2	83
71	A RhoA-FRET Biosensor Mouse for Intravital Imaging in Normal Tissue Homeostasis and Disease Contexts. Cell Reports, 2017, 21, 274-288.	6.4	83
72	Nkx2-5+Islet1+ Mesenchymal Precursors Generate Distinct Spleen Stromal Cell Subsets and Participate in Restoring Stromal Network Integrity. Immunity, 2013, 38, 782-791.	14.3	82

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73	Neuregulin 1 Sustains the Gene Regulatory Network in Both Trabecular and Nontrabecular Myocardium. Circulation Research, 2010, 107, 715-727.	4.5	81
74	Molecular pathways in myocardial development: a stem cell perspective. Cardiovascular Research, 2003, 58, 264-277.	3.8	78
75	H2A.F: an extremely variant histone H2A sequence expressed in the chicken embryo.. Proceedings of the National Academy of Sciences of the United States of America, 1983, 80, 2819-2823.	7.1	77
76	Functional Characterization of a Novel Mutation in NKX2-5 Associated With Congenital Heart Disease and Adult-Onset Cardiomyopathy. Circulation: Cardiovascular Genetics, 2013, 6, 238-247.	5.1	77
77	NKX2-5 regulates human cardiomyogenesis via a HEY2 dependent transcriptional network. Nature Communications, 2018, 9, 1373.	12.8	77
78	Phenotypic effects of repeated psychosocial stress during adolescence in mice mutant for the schizophrenia risk gene neuregulin-1: A putative model of gene Ã— environment interaction. Brain, Behavior, and Immunity, 2012, 26, 660-671.	4.1	76
79	RNA toxicity in myotonic muscular dystrophy induces NKX2-5 expression. Nature Genetics, 2008, 40, 61-68.	21.4	75
80	Sexually dimorphic changes in the exploratory and habituation profiles of heterozygous neuregulin-1 knockout mice. NeuroReport, 2006, 17, 79-83.	1.2	74
81	Tinman/Nkx2-5 acts via miR-1 and upstream of Cdc42 to regulate heart function across species. Journal of Cell Biology, 2011, 193, 1181-1196.	5.2	74
82	Combined Mutation Screening of NKX2-5, GATA4, and TBX5 in Congenital Heart Disease: Multiple Heterozygosity and Novel Mutations. Congenital Heart Disease, 2012, 7, 151-159.	0.2	73
83	Hif-1a suppresses ROS-induced proliferation of cardiac fibroblasts following myocardial infarction. Cell Stem Cell, 2022, 29, 281-297.e12.	11.1	71
84	Congenital Asplenia in Mice and Humans with Mutations in a Pbx/Nkx2-5/p15 Module. Developmental Cell, 2012, 22, 913-926.	7.0	70
85	Schizophreniaâ€related endophenotypes in heterozygous neuregulinâ€1 â€˜knockoutâ€™ mice. European Journal of Neuroscience, 2010, 31, 349-358.	2.6	68
86	Homeodomain Factor Nkx2-5 in Heart Development and Disease. Cold Spring Harbor Symposia on Quantitative Biology, 2002, 67, 107-114.	1.1	67
87	Developmental origin and lineage plasticity of endogenous cardiac stem cells. Development (Cambridge), 2016, 143, 1242-1258.	2.5	65
88	BMP/SMAD1 signaling sets a threshold for the left/right pathway in lateral plate mesoderm and limits availability of SMAD4. Genes and Development, 2008, 22, 3037-3049.	5.9	63
89	Inhibition of Notch2 by Numb/Numblike controls myocardial compaction in the heart. Cardiovascular Research, 2012, 96, 276-285.	3.8	63
90	Heart field origin of great vessel precursors relies on nkx2.5-mediated vasculogenesis. Nature Cell Biology, 2013, 15, 1362-1369.	10.3	63

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91	Cardiac Deletion of Smyd2 Is Dispensable for Mouse Heart Development. PLoS ONE, 2010, 5, e9748.	2.5	63
92	Homeodomain Factor Nkx2-3 Controls Regional Expression of Leukocyte Homing Coreceptor MAdCAM-1 in Specialized Endothelial Cells of the Viscera. Developmental Biology, 2000, 224, 152-167.	2.0	62
93	Intravital Imaging to Monitor Therapeutic Response in Moving Hypoxic Regions Resistant to PI3K Pathway Targeting in Pancreatic Cancer. Cell Reports, 2018, 23, 3312-3326.	6.4	61
94	Sierra: discovery of differential transcript usage from polyA-captured single-cell RNA-seq data. Genome Biology, 2020, 21, 167.	8.8	59
95	Expression of NK-2 class homeobox gene Nkx2â€“6 in foregut endoderm and heart. Mechanisms of Development, 1998, 73, 125-127.	1.7	58
96	Phenotypic effects of maternal immune activation and early postnatal milieu in mice mutant for the schizophrenia risk gene neuregulin-1. Neuroscience, 2014, 277, 294-305.	2.3	56
97	Loss of Cited2 causes congenital heart disease by perturbing leftâ€“right patterning of the body axis. Human Molecular Genetics, 2011, 20, 1097-1110.	2.9	54
98	Identification of clinically actionable variants from genome sequencing of families with congenital heart disease. Genetics in Medicine, 2019, 21, 1111-1120.	2.4	54
99	NKX2-5 mutations causative for congenital heart disease retain functionality and are directed to hundreds of targets. ELife, 2015, 4, .	6.0	54
100	Cardiac Repair With a Novel Population of Mesenchymal Stem Cells Resident in the Human Heart. Stem Cells, 2015, 33, 3100-3113.	3.2	53
101	Basic Biology of Extracellular Matrix in the Cardiovascular System, Part 1/4. Journal of the American College of Cardiology, 2020, 75, 2169-2188.	2.8	51
102	GATA4 Mutations in 357 Unrelated Patients with Congenital Heart Malformation. Genetic Testing and Molecular Biomarkers, 2010, 14, 797-802.	0.7	50
103	Nkx2-5 Represses Gata1 Gene Expression and Modulates the Cellular Fate of Cardiac Progenitors During Embryogenesis. Circulation, 2011, 123, 1633-1641.	1.6	48
104	Zac1 Is an Essential Transcription Factor for Cardiac Morphogenesis. Circulation Research, 2010, 106, 1083-1091.	4.5	46
105	Genetic Networks Governing Heart Development. Cold Spring Harbor Perspectives in Medicine, 2014, 4, a013839-a013839.	6.2	46
106	Pathophysiological Trends During Withdrawal of Life Support. Transplantation, 2016, 100, 2621-2629.	1.0	45
107	Targeted insertion of alacZ reporter gene into the mouseCer1 locus reveals complex and dynamic expression during embryogenesis. Genesis, 2000, 26, 259-264.	1.6	44
108	CompGO: an R package for comparing and visualizing Gene Ontology enrichment differences between DNA binding experiments. BMC Bioinformatics, 2015, 16, 275.	2.6	44

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109	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. Journal of Immunology, 2003, 170, 4002-4010.	0.8	43
110	Gene-environment interaction impacts on heart development and embryo survival. Development (Cambridge), 2019, 146, .	2.5	43
111	Tissue-Resident PDGFRÎ±+ Progenitor Cells Contribute to Fibrosis versus Healing in a Context- and Spatiotemporally Dependent Manner. Cell Reports, 2020, 30, 555-570.e7.	6.4	43
112	Cardiac looping â€" an uneasy deal with laterality. Seminars in Cell and Developmental Biology, 1998, 9, 101-108.	5.0	42
113	Rotary ATPases. Bioarchitecture, 2013, 3, 2-12.	1.5	42
114	Cardiac outflow tract development relies on the complex function of Sox4 and Sox11 in multiple cell types. Cellular and Molecular Life Sciences, 2014, 71, 2931-2945.	5.4	42
115	musculin: a murine basic helix-loop-helix transcription factor gene expressed in embryonic skeletal muscle. Mechanisms of Development, 1998, 76, 197-201.	1.7	41
116	Developmental paradigms in heart disease: insights from tinman. Annals of Medicine, 2002, 34, 148-156.	3.8	39
117	Developmental origins and lineage descendants of endogenous adult cardiac progenitor cells. Stem Cell Research, 2014, 13, 592-614.	0.7	39
118	Expression of Slit and Robo genes in the developing mouse heart. Developmental Dynamics, 2010, 239, 3303-3311.	1.8	38
119	Platelet-derived growth factor (PDGF) signaling directs cardiomyocyte movement toward the midline during heart tube assembly. ELife, 2017, 6, .	6.0	38
120	Widespread expression of MyoD genes in Xenopus embryos is amplified in presumptive muscle as a delayed response to mesoderm induction.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 9198-9202.	7.1	37
121	Deletion of Nkx2-5 in trabecular myocardium reveals the developmental origins of pathological heterogeneity associated with ventricular non-compaction cardiomyopathy. PLoS Genetics, 2018, 14, e1007502.	3.5	37
122	Platelet-derived growth factor-AB improves scar mechanics and vascularity after myocardial infarction. Science Translational Medicine, 2020, 12, .	12.4	37
123	Responsiveness of Naive CD4 T Cells to Polarizing Cytokine Determines the Ratio of Th1 and Th2 Cell Differentiation. Journal of Immunology, 2006, 176, 1553-1560.	0.8	36
124	Precardiac deletion of Numb and Numblike reveals renewal of cardiac progenitors. ELife, 2014, 3, e02164.	6.0	36
125	Non-tandem arrangement and divergent transcription of chicken histone genes. Nature, 1981, 294, 49-53.	27.8	35
126	Vertebrate histone genes: nucleotide sequence of a chicken H2A gene and regulatory flanking sequences. Nucleic Acids Research, 1981, 9, 3119-3128.	14.5	35

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127	Complex SUMO-1 Regulation of Cardiac Transcription Factor Nkx2-5. PLoS ONE, 2011, 6, e24812.	2.5	34
128	Somatic mutations in NKX2â€“5, GATA4, and HAND1 are not a common cause of tetralogy of Fallot or hypoplastic left heart. American Journal of Medical Genetics, Part A, 2011, 155, 2416-2421.	1.2	34
129	Seeking a regulatory roadmap for heart morphogenesis. Seminars in Cell and Developmental Biology, 1999, 10, 99-107.	5.0	33
130	Differential Binding of an SRF/NK-2/MEF2 Transcription Factor Complex in Normal Versus Neoplastic Smooth Muscle Tissues. Journal of Biological Chemistry, 2001, 276, 34637-34650.	3.4	32
131	Characterization of Pitx2c expression in the mouse heart using a reporter transgene. Developmental Dynamics, 2011, 240, 195-203.	1.8	32
132	Uncontrolled angiogenic precursor expansion causes coronary artery anomalies in mice lacking Pofut1. Nature Communications, 2017, 8, 578.	12.8	32
133	Nkx2-5 Mediates Differential Cardiac Differentiation Through Interaction with Hoxa10. Stem Cells and Development, 2013, 22, 2211-2220.	2.1	31
134	Transcription from the intron-containing chicken histone H2A.Fgene is not S-phase regulated. Nucleic Acids Research, 1989, 17, 1745-1756.	14.5	30
135	Histone genes are clustered with a 15-kilobase repeat in the chicken genome. Nature, 1979, 279, 132-136.	27.8	29
136	The Cardiac Expression of Striated Muscle LIM Protein 1 (SLIM1) is Restricted to the Outflow Tract of the Developing Heart. Journal of Molecular and Cellular Cardiology, 1999, 31, 837-843.	1.9	29
137	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
138	c-Kit Function Is Necessary for In Vitro Myogenic Differentiation of Bone Marrow Hematopoietic Cells. Stem Cells, 2009, 27, 1911-1920.	3.2	28
139	Nkx2.5 marks angioblasts that contribute to hemogenic endothelium of the endocardium and dorsal aorta. ELife, 2017, 6, .	6.0	27
140	Quantitative Trait Loci Modifying Cardiac Atrial Septal Morphology and Risk of Patent Foramen Ovale in the Mouse. Circulation Research, 2006, 98, 651-658.	4.5	26
141	Arrhythmia induced by spatiotemporal overexpression of calreticulin in the heart. Molecular Genetics and Metabolism, 2007, 91, 285-293.	1.1	26
142	MyoD protein expression in Xenopus embryos closely follows a mesoderm induction-dependent amplification of MyoD transcription and is synchronous across the future somite axis. Mechanisms of Development, 1992, 37, 141-149.	1.7	25
143	A novel conditional mouse model for Nkx2-5 reveals transcriptional regulation of cardiac ion channels. Differentiation, 2016, 91, 29-41.	1.9	25
144	The Hlx homeobox transcription factor is required early in enteric nervous system development. BMC Developmental Biology, 2006, 6, 33.	2.1	24

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145	Disruption of thermal nociceptive behaviour in mice mutant for the schizophrenia-associated genes NRG1, COMT and DISC1. Brain Research, 2010, 1348, 114-119.	2.2	24
146	Point mutations in murine Nkx2-5 phenocopy human congenital heart disease and induce pathogenic Wnt signaling. JCI Insight, 2017, 2, e88271.	5.0	24
147	Generation of conditionalCited2 null alleles. Genesis, 2006, 44, 579-583.	1.6	23
148	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. Journal of Biological Chemistry, 2013, 288, 15269-15279.	3.4	23
149	Localized Maternal mRNAs in Xenopus laevis Eggs. Cold Spring Harbor Symposia on Quantitative Biology, 1985, 50, 21-30.	1.1	23
150	Conformational Stability and DNA Binding Specificity of the Cardiac T-Box Transcription Factor Tbx20. Journal of Molecular Biology, 2009, 389, 606-618.	4.2	22
151	Irreversible Triggers for HypertrophicÂCardiomyopathy Are Established in the Early Postnatal Period. Journal of the American College of Cardiology, 2015, 65, 560-569.	2.8	22
152	Update on the use of stem cells for cardiac disease. Internal Medicine Journal, 2005, 35, 348-356.	0.8	21
153	Muscle costameric protein, Chisel/Smpx, associates with focal adhesion complexes and modulates cell spreading in vitro via a Rac1/p38 pathway. Experimental Cell Research, 2005, 307, 367-380.	2.6	21
154	Perinatal angiogenesis from pre-existing coronary vessels via DLL4â€“NOTCH1 signalling. Nature Cell Biology, 2021, 23, 967-977.	10.3	21
155	Developmental paradigms in heart disease: insights from tinman. Annals of Medicine, 2002, 34, 148-156.	3.8	21
156	Conserved linkage of NK-2 homeobox gene pairs Nkx2-2/2-4 and Nkx2-1/2-9 in mammals. Mammalian Genome, 2000, 11, 466-468.	2.2	19
157	Genetic burden and associations with adverse neurodevelopment in neonates with congenital heart disease. American Heart Journal, 2018, 201, 33-39.	2.7	19
158	Molecular analysis of PRKAG2, LAMP2, and NKX2â€5 genes in a cohort of 125 patients with accessory atrioventricular connection. American Journal of Medical Genetics, Part A, 2009, 149A, 1574-1577.	1.2	18
159	Regeneration of infarcted mouse hearts by cardiovascular tissue formed via the direct reprogramming of mouse fibroblasts. Nature Biomedical Engineering, 2021, 5, 880-896.	22.5	18
160	Essential Role for the Lymphostromal Plasma Membrane Ly-6 Superfamily Molecule Thymic Shared Antigen 1 in Development of the Embryonic Adrenal Gland. Molecular and Cellular Biology, 2002, 22, 946-952.	2.3	17
161	Isolation of a genomal clone containing chicken histone genes. Nucleic Acids Research, 1979, 7, 1787-1798.	14.5	16
162	Epithelial to mesenchymal transition as a portal to stem cell characters embedded in gene networks. BioEssays, 2013, 35, 191-200.	2.5	16

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163	Pressure Overload by Transverse Aortic Constriction Induces Maladaptive Hypertrophy in a Titin-Truncated Mouse Model. BioMed Research International, 2015, 2015, 1-6.	1.9	16
164	Transcriptional Control and Pattern Formation in the Developing Vertebrate Heart. , 1999, , 111-129.		16
165	An Endothelial Contribution to Coronary Vessels. Cell, 2012, 151, 932-934.	28.9	15
166	Epicardial Origin of Resident Mesenchymal Stem Cells in the Adult Mammalian Heart. Journal of Developmental Biology, 2014, 2, 117-137.	1.7	15
167	Epistatic and Independent Effects on Schizophrenia-Related Phenotypes Following Co-disruption of the Risk Factors Neuregulin-1 Ã— DISC1. Schizophrenia Bulletin, 2017, 43, 214-225.	4.3	15
168	Conditional (loxP-flanked) allele for the gene encoding the retinoic acid-synthesizing enzyme retinaldehyde dehydrogenase 2 (RALDH2). Genesis, 2006, 44, 155-158.	1.6	14
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