Jonathan A Epstein

List of Publications by Year in Descending Order

200 papers	18,502 citations	75 h-index	132 g-index
222 ext. papers	20,997 ext. citations	12.9 avg, IF	6.49 L-index

#	Paper	IF	Citations
200	CAR T cells produced in vivo to treat cardiac injury.. *Science*, **2022**, 375, 91-96	33.3	44
199	CAR-based therapies: opportunities for immuno-medicine beyond cancer.. *Nature Metabolism*, **2022**, 4, 163-169	14.6	0
198	Hydroxybutyrate suppresses colorectal cancer.. *Nature*, **2022**,	50.4	5
197	Landscape of Hopx expression in cells of the immune system. *Heliyon*, **2021**, 7, e08311	3.6	1
196	What's Important: Reopening Lessons from the Big Leagues' Experiences with COVID-19. *Journal of Bone and Joint Surgery - Series A*, **2021**, 103, 1-3	5.6	1
195	Not all stress is bad for your heart. *Science*, **2021**, 374, 264-265	33.3	0
194	SARS-CoV-2 spike protein binding selectively accelerates substrate-specific catalytic activity of ACE2. *Journal of Biochemistry*, **2021**, 170, 299-306	3.1	3
193	Immune Cells and Immunotherapy for Cardiac Injury and Repair. *Circulation Research*, **2021**, 128, 1766-1779	15.7	17
192	The nuclear periphery is a scaffold for tissue-specific enhancers. *Nucleic Acids Research*, **2021**, 49, 6181-6195	19.1	15
191	Effect of Opt-In vs Opt-Out Framing on Enrollment in a COVID-19 Surveillance Testing Program: The COVID SAFE Randomized Clinical Trial. *JAMA Network Open*, **2021**, 4, e2112434	10.4	1
190	Global chromatin relabeling accompanies spatial inversion of chromatin in rod photoreceptors. *Science Advances*, **2021**, 7, eabj3035	14.3	3
189	An Engineered Mouse to Identify Proliferating Cells and Their Derivatives. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 388	5.7	1
188	Teasing the Immune System to Repair the Heart. *New England Journal of Medicine*, **2020**, 382, 1660-1662	59.2	5
187	Histone methyltransferase activity programs nuclear peripheral genome positioning. *Developmental Biology*, **2020**, 466, 90-98	3.1	9
186	Targeting cardiac fibrosis with engineered T cells. *Nature*, **2019**, 573, 430-433	50.4	185
185	Lineage-specific reorganization of nuclear peripheral heterochromatin and H3K9me2 domains. *Development (Cambridge)*, **2019**, 146,	6.6	13
184	A Common Embryonic Origin of Stem Cells Drives Developmental and Adult Neurogenesis. *Cell*, **2019**, 177, 654-668.e15	56.2	89

183	Semaphorin 3E/PlexinD1 signaling is required for cardiac ventricular compaction. *JCI Insight*, **2019**, 4,	9.9	16
182	H3K9me2 orchestrates inheritance of spatial positioning of peripheral heterochromatin through mitosis. *ELife*, **2019**, 8,	8.9	38
181	A Time to Press Reset and Regenerate Cardiac Stem Cell Biology. *JAMA Cardiology*, **2019**, 4, 95-96	16.2	27
180	Competent for commitment: you?ve got to have heart!. *Genes and Development*, **2018**, 32, 4-13	12.6	9
179	Endocardial Hippo signaling regulates myocardial growth and cardiogenesis. *Developmental Biology* , **2018**, 440, 22-30	3.1	17
178	Beating the odds: programming proliferation in the mammalian heart. *Genome Medicine*, **2018**, 10, 36	14.4	0
177	Zinc transporter Slc39a8 is essential for cardiac ventricular compaction. *Journal of Clinical Investigation*, **2018**, 128, 826-833	15.9	27
176	CELL FATE DETERMINATION IN 3D: REGULATION OF GENE EXPRESSION VIA CHROMATIN INTERACTIONS WITH THE NUCLEAR MEMBRANE. *Transactions of the American Clinical and Climatological Association*, **2018**, 129, 121-131	0.9	
175	Foxa2 identifies a cardiac progenitor population with ventricular differentiation potential. *Nature Communications*, **2017**, 8, 14428	17.4	43
174	Genome-Nuclear Lamina Interactions Regulate Cardiac Stem Cell Lineage Restriction. *Cell*, **2017**, 171, 573-587.e14	56.2	102
173	A radial axis defined by semaphorin-to-neuropilin signaling controls pancreatic islet morphogenesis. *Development (Cambridge)*, **2017**, 144, 3744-3754	6.6	17
172	Chromatin and Transcriptional Analysis of Mesoderm Progenitor Cells Identifies HOPX as a Regulator of Primitive Hematopoiesis. *Cell Reports*, **2017**, 20, 1597-1608	10.6	21
171	Intestinal Enteroendocrine Lineage Cells Possess Homeostatic and Injury-Inducible Stem Cell Activity. *Cell Stem Cell*, **2017**, 21, 78-90.e6	18	203
170	Epicardial YAP/TAZ orchestrate an immunosuppressive response following myocardial infarction. *Journal of Clinical Investigation*, **2017**, 127, 899-911	15.9	85
169	Mapping the Pairwise Choices Leading from Pluripotency to Human Bone, Heart, and Other Mesoderm Cell Types. *Cell*, **2016**, 166, 451-467	56.2	242
168	Coronary vasculature patterning requires a novel endothelial ErbB2 holoreceptor. *Nature Communications*, **2016**, 7, 12038	17.4	29
167	Hippo Signaling Mediators Yap and Taz Are Required in the Epicardium for Coronary Vasculature Development. *Cell Reports*, **2016**, 15, 1384-1393	10.6	80
166	Synergy between loss of NF1 and overexpression of MYCN in neuroblastoma is mediated by the GAP-related domain. *ELife*, **2016**, 5,	8.9	23

165	Circadian control of bile acid synthesis by a KLF15-Fgf15 axis. *Nature Communications*, **2015**, 6, 7231	17.4	51
164	The Genetic Landscape of Hematopoietic Stem Cell Frequency in Mice. *Stem Cell Reports*, **2015**, 5, 125-38	8	18
163	Peripherally Induced Tolerance Depends on Peripheral Regulatory T Cells That Require Hopx To Inhibit Intrinsic IL-2 Expression. *Journal of Immunology*, **2015**, 195, 1489-97	5.3	29
162	HEART DEVELOPMENT. Integration of Bmp and Wnt signaling by Hopx specifies commitment of cardiomyoblasts. *Science*, **2015**, 348, aaa6071	33.3	89
161	Plexin D1 determines body fat distribution by regulating the type V collagen microenvironment in visceral adipose tissue. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 4363-8	11.5	44
160	Plasticity of Hopx(+) type I alveolar cells to regenerate type II cells in the lung. *Nature Communications*, **2015**, 6, 6727	17.4	173
159	Hopx distinguishes hippocampal from lateral ventricle neural stem cells. *Stem Cell Research*, **2015**, 15, 522-529	1.6	28
158	Hippo signaling is required for Notch-dependent smooth muscle differentiation of neural crest. *Development (Cambridge)*, **2015**, 142, 2962-71	6.6	66
157	A multidisciplinary approach in neurofibromatosis 1--authorsPreply. *Lancet Neurology, The*, **2015**, 14, 30-1	24.1	1
156	Loss of neurofibromin Ras-GAP activity enhances the formation of cardiac blood islands in murine embryos. *ELife*, **2015**, 4, e07780	8.9	11
155	Strategic transformation of population studies: recommendations of the working group on epidemiology and population sciences from the National Heart, Lung, and Blood Advisory Council and Board of External Experts. *American Journal of Epidemiology*, **2015**, 181, 363-8	3.8	27
154	De novo mutations in PLXND1 and REV3L cause MÖbius syndrome. *Nature Communications*, **2015**, 6, 7199	17.4	50
153	Roger et al. respond to "future of population studies". *American Journal of Epidemiology*, **2015**, 181, 372-38	3	1
152	Semaphorin signaling in cardiovascular development. *Cell Metabolism*, **2015**, 21, 163-173	24.6	68
151	The Notch1 transcriptional activation domain is required for development and reveals a novel role for Notch1 signaling in fetal hematopoietic stem cells. *Genes and Development*, **2014**, 28, 576-93	12.6	43
150	Ecatenin regulates Pax3 and Cdx2 for caudal neural tube closure and elongation. *Development (Cambridge)*, **2014**, 141, 148-57	6.6	48
149	The sinus venosus contributes to coronary vasculature through VEGFC-stimulated angiogenesis. *Development (Cambridge)*, **2014**, 141, 4500-12	6.6	127
148	Repair and regeneration of the respiratory system: complexity, plasticity, and mechanisms of lung stem cell function. *Cell Stem Cell*, **2014**, 15, 123-38	18	526

147	Semaphorin 3d and semaphorin 3e direct endothelial motility through distinct molecular signaling pathways. *Journal of Biological Chemistry*, **2014**, 289, 17971-9	5.4	48
146	Genetic dissection of plexin signaling in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 2194-9	11.5	43
145	Pax3 and hippo signaling coordinate melanocyte gene expression in neural crest. *Cell Reports*, **2014**, 9, 1885-1895	10.6	39
144	Single-cell analysis of proxy reporter allele-marked epithelial cells establishes intestinal stem cell hierarchy. *Stem Cell Reports*, **2014**, 3, 876-91	8	76
143	Modulation of cAMP and ras signaling pathways improves distinct behavioral deficits in a zebrafish model of neurofibromatosis type 1. *Cell Reports*, **2014**, 8, 1265-70	10.6	47
142	Inhibition of TGF signaling increases direct conversion of fibroblasts to induced cardiomyocytes. *PLoS ONE*, **2014**, 9, e89678	3.7	139
141	Induced regeneration--the progress and promise of direct reprogramming for heart repair. *Nature Medicine*, **2013**, 19, 829-36	50.5	75
140	Optimization of direct fibroblast reprogramming to cardiomyocytes using calcium activity as a functional measure of success. *Journal of Molecular and Cellular Cardiology*, **2013**, 60, 97-106	5.8	170
139	Semaphorin 3d signaling defects are associated with anomalous pulmonary venous connections. *Nature Medicine*, **2013**, 19, 760-5	50.5	56
138	Murine craniofacial development requires Hdac3-mediated repression of Msx gene expression. *Developmental Biology*, **2013**, 377, 333-44	3.1	33
137	Molecular determinants of lung development. *Annals of the American Thoracic Society*, **2013**, 10, S12-6	4.7	56
136	An epigenetic roadmap for cardiomyocyte differentiation. *Circulation Research*, **2013**, 112, 881-3	15.7	4
135	Hopx expression defines a subset of multipotent hair follicle stem cells and a progenitor population primed to give rise to K6+ niche cells. *Development (Cambridge)*, **2013**, 140, 1655-64	6.6	59
134	Plxnd1 expression in thymocytes regulates their intrathymic migration while that in thymic endothelium impacts medullary topology. *Frontiers in Immunology*, **2013**, 4, 392	8.4	12
133	Resolution of defective dorsal aortae patterning in Sema3E-deficient mice occurs via angiogenic remodeling. *Developmental Dynamics*, **2013**, 242, 580-90	2.9	24
132	Lgr5 Identifies Progenitor Cells Capable of Taste Bud Regeneration after Injury. *PLoS ONE*, **2013**, 8, e66314	3.7	44
131	Epicardial Lineages and Cardiac Repair. *Journal of Developmental Biology*, **2013**, 1, 141-158	3.5	2
130	New approaches under development: cardiovascular embryology applied to heart disease. *Journal of Clinical Investigation*, **2013**, 123, 71-4	15.9	10

129	Lymphatic endothelial progenitors bud from the cardinal vein and intersomitic vessels in mammalian embryos. *Blood*, **2012**, 120, 2340-8	2.2	169
128	Distinct compartments of the proepicardial organ give rise to coronary vascular endothelial cells. *Developmental Cell*, **2012**, 22, 639-50	10.2	262
127	Coordinating tissue interactions: Notch signaling in cardiac development and disease. *Developmental Cell*, **2012**, 22, 244-54	10.2	194
126	Islet1 derivatives in the heart are of both neural crest and second heart field origin. *Circulation Research*, **2012**, 110, 922-6	15.7	98
125	Notch activation of Jagged1 contributes to the assembly of the arterial wall. *Circulation*, **2012**, 125, 314-23	15.7	110
124	Epicardium-derived cardiac mesenchymal stem cells: expanding the outer limit of heart repair. *Circulation Research*, **2012**, 110, 904-6	15.7	21
123	Zebrafish neurofibromatosis type 1 genes have redundant functions in tumorigenesis and embryonic development. *DMM Disease Models and Mechanisms*, **2012**, 5, 881-94	4.1	58
122	Trichostatin A abrogates airway constriction, but not inflammation, in murine and human asthma models. *American Journal of Respiratory Cell and Molecular Biology*, **2012**, 46, 132-8	5.7	57
121	Myocardial Notch signaling reprograms cardiomyocytes to a conduction-like phenotype. *Circulation*, **2012**, 126, 1058-66	16.7	68
120	Zebrafish Model for NF1 **2012**, 535-547		1
119	Semaphorin-PlexinD1 signaling limits angiogenic potential via the VEGF decoy receptor sFlt1. *Developmental Cell*, **2011**, 21, 301-14	10.2	119
118	Homeodomain only protein x is down-regulated in human heart failure. *Journal of Molecular and Cellular Cardiology*, **2011**, 50, 1056-8	5.8	16
117	Highly efficient miRNA-mediated reprogramming of mouse and human somatic cells to pluripotency. *Cell Stem Cell*, **2011**, 8, 376-88	18	981
116	Histone deacetylase 3 regulates smooth muscle differentiation in neural crest cells and development of the cardiac outflow tract. *Circulation Research*, **2011**, 109, 1240-9	15.7	49
115	MicroRNA-processing enzyme Dicer is required in epicardium for coronary vasculature development. *Journal of Biological Chemistry*, **2011**, 286, 41036-45	5.4	36
114	Interconversion between intestinal stem cell populations in distinct niches. *Science*, **2011**, 334, 1420-4	33.3	528
113	Diet-induced lethality due to deletion of the Hdac3 gene in heart and skeletal muscle. *Journal of Biological Chemistry*, **2011**, 286, 33301-9	5.4	65
112	Cardiac neural crest orchestrates remodeling and functional maturation of mouse semilunar valves. *Journal of Clinical Investigation*, **2011**, 121, 422-30	15.9	117

111	Notch signaling regulates murine atrioventricular conduction and the formation of accessory pathways. *Journal of Clinical Investigation*, **2011**, 121, 525-33	15.9	74
110	Molecular mechanisms of neural crest-related congenital heart disease. *FASEB Journal*, **2011**, 25, 302.4	0.9	
109	Neural crest and cardiac development. *FASEB Journal*, **2011**, 25, 176.4	0.9	
108	Notch and cardiac outflow tract development. *Annals of the New York Academy of Sciences*, **2010**, 1188, 184-90	6.5	37
107	Ash2l interacts with Tbx1 and is required during early embryogenesis. *Experimental Biology and Medicine*, **2010**, 235, 569-76	3.7	63
106	Foxp1/2/4-NuRD interactions regulate gene expression and epithelial injury response in the lung via regulation of interleukin-6. *Journal of Biological Chemistry*, **2010**, 285, 13304-13	5.4	44
105	Rapid 3D phenotyping of cardiovascular development in mouse embryos by micro-CT with iodine staining. *Circulation: Cardiovascular Imaging*, **2010**, 3, 314-22	3.9	182
104	Oligodendrocyte progenitor cell numbers and migration are regulated by the zebrafish orthologs of the NF1 tumor suppressor gene. *Human Molecular Genetics*, **2010**, 19, 4643-53	5.6	36
103	Gata4 and Gata5 cooperatively regulate cardiac myocyte proliferation in mice. *Journal of Biological Chemistry*, **2010**, 285, 1765-72	5.4	71
102	Franklin H. Epstein Lecture. Cardiac development and implications for heart disease. *New England Journal of Medicine*, **2010**, 363, 1638-47	59.2	86
101	Hopx and Hdac2 interact to modulate Gata4 acetylation and embryonic cardiac myocyte proliferation. *Developmental Cell*, **2010**, 19, 450-9	10.2	100
100	Distinct enhancers at the Pax3 locus can function redundantly to regulate neural tube and neural crest expressions. *Developmental Biology*, **2010**, 339, 519-27	3.1	42
99	Tissue-tissue interactions during morphogenesis of the outflow tract. *Pediatric Cardiology*, **2010**, 31, 408-13	2.1	18
98	Persistence of effector memory Th1 cells is regulated by Hopx. *European Journal of Immunology*, **2010**, 40, 2993-3006	6.1	47
97	Melanocyte-like cells in the heart and pulmonary veins contribute to atrial arrhythmia triggers. *FASEB Journal*, **2010**, 24, 180.4	0.9	
96	Biomarker system for studying muscle, stem cells, and cancer in vivo. *FASEB Journal*, **2009**, 23, 2681-90	0.9	111
95	Cardiac and vascular functions of the zebrafish orthologues of the type I neurofibromatosis gene NF1. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 22305-10	11.5	24
94	Cardiomyocyte renewal. *New England Journal of Medicine*, **2009**, 361, 86-8	59.2	53

93	Inpp5f is a polyphosphoinositide phosphatase that regulates cardiac hypertrophic responsiveness. *Circulation Research*, **2009**, 105, 1240-7	15.7	48
92	Cardiomyocyte-specific loss of neurofibromin promotes cardiac hypertrophy and dysfunction. *Circulation Research*, **2009**, 105, 304-11	15.7	40
91	Tie2Cre-mediated inactivation of plexinD1 results in congenital heart, vascular and skeletal defects. *Developmental Biology*, **2009**, 325, 82-93	3.1	76
90	Increased thymus- and decreased parathyroid-fated organ domains in Splotch mutant embryos. *Developmental Biology*, **2009**, 327, 216-27	3.1	40
89	Menin expression modulates mesenchymal cell commitment to the myogenic and osteogenic lineages. *Developmental Biology*, **2009**, 332, 116-30	3.1	30
88	Murine Jagged1/Notch signaling in the second heart field orchestrates Fgf8 expression and tissue-tissue interactions during outflow tract development. *Journal of Clinical Investigation*, **2009**, 119, 1986-96	15.9	133
87	Melanocyte-like cells in the heart and pulmonary veins contribute to atrial arrhythmia triggers. *Journal of Clinical Investigation*, **2009**, 119, 3420-36	15.9	58
86	The multifaceted role of Notch in cardiac development and disease. *Nature Reviews Genetics*, **2008**, 9, 49-61	30.1	232
85	Histone deacetylase inhibition reduces myocardial ischemia-reperfusion injury in mice. *FASEB Journal*, **2008**, 22, 3549-60	0.9	216
84	A nonclassical bHLH Rbpj transcription factor complex is required for specification of GABAergic neurons independent of Notch signaling. *Genes and Development*, **2008**, 22, 166-78	12.6	103
83	Endothelial expression of the Notch ligand Jagged1 is required for vascular smooth muscle development. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 1955-9	11.5	239
82	Pax3 regulation of FGF signaling affects the progression of embryonic progenitor cells into the myogenic program. *Genes and Development*, **2008**, 22, 1828-37	12.6	105
81	Regulation of survival in adult hippocampal and glioblastoma stem cell lineages by the homeodomain-only protein HOP. *Neural Development*, **2008**, 3, 13	3.9	26
80	Cre reporter mouse expressing a nuclear localized fusion of GFP and beta-galactosidase reveals new derivatives of Pax3-expressing precursors. *Genesis*, **2008**, 46, 200-4	1.9	40
79	PlexinD1 glycoprotein controls migration of positively selected thymocytes into the medulla. *Immunity*, **2008**, 29, 888-98	32.3	98
78	Transgenic overexpression of Hdac3 in the heart produces increased postnatal cardiac myocyte proliferation but does not induce hypertrophy. *Journal of Biological Chemistry*, **2008**, 283, 26484-9	5.4	77
77	Persistent expression of Pax3 in the neural crest causes cleft palate and defective osteogenesis in mice. *Journal of Clinical Investigation*, **2008**, 118, 2076-87	15.9	52
76	Currying favor for the heart. *Journal of Clinical Investigation*, **2008**, 118, 850-2	15.9	13

75	Atlantic City is pass□Ipn betting on Chicago. *Journal of Clinical Investigation*, **2008**, 118, 1235-6	15.9	1
74	New Insights into the Role of Tbx1 in the Digeorge Mouse Model **2007**, 135-136		
73	Signalling pathways regulating cardiac neural crest migration and differentiation. *Novartis Foundation Symposium*, **2007**, 283, 152-61; discussion 161-4, 238-41		13
72	Hdac2 regulates the cardiac hypertrophic response by modulating Gsk3 beta activity. *Nature Medicine*, **2007**, 13, 324-31	50.5	381
71	RBP-J (Rbpsuh) is essential to maintain muscle progenitor cells and to generate satellite cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 4443-8	11.5	173
70	NF1 regulates a Ras-dependent vascular smooth muscle proliferative injury response. *Circulation*, **2007**, 116, 2148-56	16.7	60
69	Menin is required in cranial neural crest for palatogenesis and perinatal viability. *Developmental Biology*, **2007**, 311, 524-37	3.1	28
68	An essential role for Notch in neural crest during cardiovascular development and smooth muscle differentiation. *Journal of Clinical Investigation*, **2007**, 117, 353-63	15.9	200
67	Hop functions downstream of Nkx2.1 and GATA6 to mediate HDAC-dependent negative regulation of pulmonary gene expression. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2006**, 291, L191-9	5.8	67
66	Tbx1 affects asymmetric cardiac morphogenesis by regulating Pitx2 in the secondary heart field. *Development (Cambridge)*, **2006**, 133, 1565-73	6.6	119
65	Transcriptional genomics associates FOX transcription factors with human heart failure. *Circulation*, **2006**, 114, 1269-76	16.7	162
64	Inhibition of histone deacetylation blocks cardiac hypertrophy induced by angiotensin II infusion and aortic banding. *Circulation*, **2006**, 113, 51-9	16.7	281
63	Somitic origin of limb muscle satellite and side population cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 945-50	11.5	167
62	Analysis of the structure and function of the transcriptional coregulator HOP. *Biochemistry*, **2006**, 45, 10584-90	3.2	28
61	Distinct roles of HF-1b/Sp4 in ventricular and neural crest cells lineages affect cardiac conduction system development. *Developmental Biology*, **2006**, 291, 208-17	3.1	27
60	The neurofibromin GAP-related domain rescues endothelial but not neural crest development in Nf1 mice. *Journal of Clinical Investigation*, **2006**, 116, 2378-84	15.9	41
59	Notch Signaling Regulates Hematopoietic Stem Cell Homeostasis in the Fetal Liver through a Non-Cell-Autonomous Mechanism.. *Blood*, **2006**, 108, 440-440	2.2	
58	Pursuing cardiac progenitors: regeneration redux. *Cell*, **2005**, 120, 295-8	56.2	68

57	Insertion of Cre into the Pax3 locus creates a new allele of Splotch and identifies unexpected Pax3 derivatives. *Developmental Biology*, **2005**, 280, 396-406	3.1	187
56	Atrioventricular cushion transformation is mediated by ALK2 in the developing mouse heart. *Developmental Biology*, **2005**, 286, 299-310	3.1	134
55	Cardiac neural crest. *Seminars in Cell and Developmental Biology*, **2005**, 16, 704-15	7.5	157
54	A perspective on the value of aquatic models in biomedical research. *Experimental Biology and Medicine*, **2005**, 230, 1-7	3.7	18
53	Pax3 functions at a nodal point in melanocyte stem cell differentiation. *Nature*, **2005**, 433, 884-7	50.4	309
52	MRL mice fail to heal the heart in response to ischemia-reperfusion injury. *Wound Repair and Regeneration*, **2005**, 13, 205-8	3.6	33
51	Identification of a hypaxial somite enhancer element regulating Pax3 expression in migrating myoblasts and characterization of hypaxial muscle Cre transgenic mice. *Genesis*, **2005**, 41, 202-9	1.9	51
50	Myocardin-related transcription factor B is required in cardiac neural crest for smooth muscle differentiation and cardiovascular development. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 8916-21	11.5	115
49	Identification of a novel nuclear localization signal in Tbx1 that is deleted in DiGeorge syndrome patients harboring the 1223delC mutation. *Human Molecular Genetics*, **2005**, 14, 885-92	5.6	66
48	Congenital heart disease reminiscent of partial trisomy 2p syndrome in mice transgenic for the transcription factor Lbh. *Development (Cambridge)*, **2005**, 132, 3305-16	6.6	43
47	Recent advances in cardiac development with therapeutic implications for adult cardiovascular disease. *Circulation*, **2005**, 112, 592-7	16.7	34
46	Tie2-Cre-induced inactivation of a conditional mutant Nf1 allele in mouse results in a myeloproliferative disorder that models juvenile myelomonocytic leukemia. *Pediatric Research*, **2004**, 55, 581-4	3.2	37
45	Full spectrum of malformations in velo-cardio-facial syndrome/DiGeorge syndrome mouse models by altering Tbx1 dosage. *Human Molecular Genetics*, **2004**, 13, 1577-85	5.6	188
44	Essential role of Sox9 in the pathway that controls formation of cardiac valves and septa. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 6502-7	11.5	201
43	Development gone awry: congenital heart disease. *Circulation Research*, **2004**, 94, 273-83	15.7	107
42	Identification of minimal enhancer elements sufficient for Pax3 expression in neural crest and implication of Tead2 as a regulator of Pax3. *Development (Cambridge)*, **2004**, 131, 829-37	6.6	85
41	Cardiac outflow tract defects in mice lacking ALK2 in neural crest cells. *Development (Cambridge)*, **2004**, 131, 3481-90	6.6	158
40	Detection of cardiac allograft rejection and response to immunosuppressive therapy with peripheral blood gene expression. *Circulation*, **2004**, 110, 3815-21	16.7	134

39	Mouse model of Noonan syndrome reveals cell type- and gene dosage-dependent effects of Ptpn11 mutation. *Nature Medicine*, **2004**, 10, 849-57	50.5	335
38	PlexinD1 and semaphorin signaling are required in endothelial cells for cardiovascular development. *Developmental Cell*, **2004**, 7, 107-16	10.2	301
37	Semaphorin-plexin signaling guides patterning of the developing vasculature. *Developmental Cell*, **2004**, 7, 117-23	10.2	309
36	Cre-mediated excision of Fgf8 in the Tbx1 expression domain reveals a critical role for Fgf8 in cardiovascular development in the mouse. *Developmental Biology*, **2004**, 267, 190-202	3.1	120
35	Calcineurin is required in urinary tract mesenchyme for the development of the pyeloureteral peristaltic machinery. *Journal of Clinical Investigation*, **2004**, 113, 1051-8	15.9	115
34	Endothelial lineage-mediated loss of the GATA cofactor Friend of GATA 1 impairs cardiac development. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 14030-5	11.5	36
33	Regulating Heart Development: The Role of Nf1. *Cell Cycle*, **2003**, 2, 95-97	4.7	8
32	Hopping to the beat. Hop regulation of cardiac gene expression. *Trends in Cardiovascular Medicine*, **2003**, 13, 261-4	6.9	19
31	Molecular markers of cardiac endocardial cushion development. *Developmental Dynamics*, **2003**, 228, 643-50	2.9	94
30	Nf1 has an essential role in endothelial cells. *Nature Genetics*, **2003**, 33, 75-9	36.3	143
29	Cardiac hypertrophy and histone deacetylase-dependent transcriptional repression mediated by the atypical homeodomain protein Hop. *Journal of Clinical Investigation*, **2003**, 112, 863-71	15.9	255
28	Regulating heart development: the role of Nf1. *Cell Cycle*, **2003**, 2, 96-8	4.7	4
27	Getting your Pax straight: Pax proteins in development and disease. *Trends in Genetics*, **2002**, 18, 41-7	8.5	372
26	Perspective: cardiovascular disease in the postgenomic era--lessons learned and challenges ahead. *Endocrinology*, **2002**, 143, 2045-50	4.8	11
25	Smooth muscle cells, but not myocytes, of host origin in transplanted human hearts. *Circulation*, **2002**, 106, 17-9	16.7	175
24	Cardiovascular disease in neurofibromatosis 1: report of the NF1 Cardiovascular Task Force. *Genetics in Medicine*, **2002**, 4, 105-11	8.1	276
23	The role of neural crest during cardiac development in a mouse model of DiGeorge syndrome. *Developmental Biology*, **2002**, 251, 157-66	3.1	79
22	Hop is an unusual homeobox gene that modulates cardiac development. *Cell*, **2002**, 110, 713-23	56.2	228

21	Developing models of DiGeorge syndrome. *Trends in Genetics*, **2001**, 17, S13-7	8.5	57
20	A gene expression screen in zebrafish embryogenesis. *Genome Research*, **2001**, 11, 1979-87	9.7	175
19	The LN54 radiation hybrid map of zebrafish expressed sequences. *Genome Research*, **2001**, 11, 2127-32	9.7	60
18	Characterization of the murine Lbx2 promoter, identification of the human homologue, and evaluation as a candidate for Alstrm syndrome. *Genomics*, **2001**, 74, 219-27	4.3	4
17	TBX1 is responsible for cardiovascular defects in velo-cardio-facial/DiGeorge syndrome. *Cell*, **2001**, 104, 619-29	56.2	780
16	Targeted disruption of semaphorin 3C leads to persistent truncus arteriosus and aortic arch interruption. *Development (Cambridge)*, **2001**, 128, 3061-3070	6.6	229
15	PlexinA2 and semaphorin signaling during cardiac neural crest development. *Development (Cambridge)*, **2001**, 128, 3071-3080	6.6	155
14	Rnf4, a RING protein expressed in the developing nervous and reproductive systems, interacts with Gscl, a gene within the DiGeorge critical region. *Developmental Dynamics*, **2000**, 218, 102-11	2.9	28
13	Neural crest expression of Cre recombinase directed by the proximal Pax3 promoter in transgenic mice. *Genesis*, **2000**, 26, 162-4	1.9	139
12	Transcriptional regulation of cardiac development: implications for congenital heart disease and DiGeorge syndrome. *Pediatric Research*, **2000**, 48, 717-24	3.2	46
11	Pax3 and vertebrate development. *Methods in Molecular Biology*, **2000**, 137, 459-70	1.4	21
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