

Jonathan A Epstein

List of Publications by Citations

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

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	Highly efficient miRNA-mediated reprogramming of mouse and human somatic cells to pluripotency. <i>Cell Stem Cell</i> , 2011 , 8, 376-88	18	981
199	TBX1 is responsible for cardiovascular defects in velo-cardio-facial/DiGeorge syndrome. <i>Cell</i> , 2001 , 104, 619-29	56.2	780
198	Interconversion between intestinal stem cell populations in distinct niches. <i>Science</i> , 2011 , 334, 1420-4	33.3	528
197	Repair and regeneration of the respiratory system: complexity, plasticity, and mechanisms of lung stem cell function. <i>Cell Stem Cell</i> , 2014 , 15, 123-38	18	526
196	Hdac2 regulates the cardiac hypertrophic response by modulating Gsk3 beta activity. <i>Nature Medicine</i> , 2007 , 13, 324-31	50.5	381
195	Getting your Pax straight: Pax proteins in development and disease. <i>Trends in Genetics</i> , 2002 , 18, 41-7	8.5	372
194	Mouse model of Noonan syndrome reveals cell type- and gene dosage-dependent effects of Ptpn11 mutation. <i>Nature Medicine</i> , 2004 , 10, 849-57	50.5	335
193	Semaphorin-plexin signaling guides patterning of the developing vasculature. <i>Developmental Cell</i> , 2004 , 7, 117-23	10.2	309
192	Pax3 functions at a nodal point in melanocyte stem cell differentiation. <i>Nature</i> , 2005 , 433, 884-7	50.4	309
191	PlexinD1 and semaphorin signaling are required in endothelial cells for cardiovascular development. <i>Developmental Cell</i> , 2004 , 7, 107-16	10.2	301
190	Inhibition of histone deacetylation blocks cardiac hypertrophy induced by angiotensin II infusion and aortic banding. <i>Circulation</i> , 2006 , 113, 51-9	16.7	281
189	Cardiovascular disease in neurofibromatosis 1: report of the NF1 Cardiovascular Task Force. <i>Genetics in Medicine</i> , 2002 , 4, 105-11	8.1	276
188	Distinct compartments of the proepicardial organ give rise to coronary vascular endothelial cells. <i>Developmental Cell</i> , 2012 , 22, 639-50	10.2	262
187	Cardiac hypertrophy and histone deacetylase-dependent transcriptional repression mediated by the atypical homeodomain protein Hop. <i>Journal of Clinical Investigation</i> , 2003 , 112, 863-71	15.9	255
186	Mapping the Pairwise Choices Leading from Pluripotency to Human Bone, Heart, and Other Mesoderm Cell Types. <i>Cell</i> , 2016 , 166, 451-467	56.2	242
185	Endothelial expression of the Notch ligand Jagged1 is required for vascular smooth muscle development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 1955-9	11.5	239
184	The multifaceted role of Notch in cardiac development and disease. <i>Nature Reviews Genetics</i> , 2008 , 9, 49-61	30.1	232

183	Targeted disruption of semaphorin 3C leads to persistent truncus arteriosus and aortic arch interruption. <i>Development (Cambridge)</i> , 2001 , 128, 3061-3070	6.6	229
182	Hop is an unusual homeobox gene that modulates cardiac development. <i>Cell</i> , 2002 , 110, 713-23	56.2	228
181	Histone deacetylase inhibition reduces myocardial ischemia-reperfusion injury in mice. <i>FASEB Journal</i> , 2008 , 22, 3549-60	0.9	216
180	Intestinal Enteroendocrine Lineage Cells Possess Homeostatic and Injury-Inducible Stem Cell Activity. <i>Cell Stem Cell</i> , 2017 , 21, 78-90.e6	18	203
179	Essential role of Sox9 in the pathway that controls formation of cardiac valves and septa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 6502-7	11.5	201
178	An essential role for Notch in neural crest during cardiovascular development and smooth muscle differentiation. <i>Journal of Clinical Investigation</i> , 2007 , 117, 353-63	15.9	200
177	Coordinating tissue interactions: Notch signaling in cardiac development and disease. <i>Developmental Cell</i> , 2012 , 22, 244-54	10.2	194
176	Full spectrum of malformations in velo-cardio-facial syndrome/DiGeorge syndrome mouse models by altering Tbx1 dosage. <i>Human Molecular Genetics</i> , 2004 , 13, 1577-85	5.6	188
175	Insertion of Cre into the Pax3 locus creates a new allele of Splotch and identifies unexpected Pax3 derivatives. <i>Developmental Biology</i> , 2005 , 280, 396-406	3.1	187
174	Targeting cardiac fibrosis with engineered T cells. <i>Nature</i> , 2019 , 573, 430-433	50.4	185
173	Rapid 3D phenotyping of cardiovascular development in mouse embryos by micro-CT with iodine staining. <i>Circulation: Cardiovascular Imaging</i> , 2010 , 3, 314-22	3.9	182
172	A gene expression screen in zebrafish embryogenesis. <i>Genome Research</i> , 2001 , 11, 1979-87	9.7	175
171	Smooth muscle cells, but not myocytes, of host origin in transplanted human hearts. <i>Circulation</i> , 2002 , 106, 17-9	16.7	175
170	Plasticity of Hopx(+) type I alveolar cells to regenerate type II cells in the lung. <i>Nature Communications</i> , 2015 , 6, 6727	17.4	173
169	RBP-J (Rbpsiuh) is essential to maintain muscle progenitor cells and to generate satellite cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 4443-8	11.5	173
168	Novel human and mouse homologs of <i>Saccharomyces cerevisiae</i> DNA polymerase eta. <i>Genomics</i> , 1999 , 60, 20-30	4.3	172
167	Optimization of direct fibroblast reprogramming to cardiomyocytes using calcium activity as a functional measure of success. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 60, 97-106	5.8	170
166	Lymphatic endothelial progenitors bud from the cardinal vein and intersomitic vessels in mammalian embryos. <i>Blood</i> , 2012 , 120, 2340-8	2.2	169

165	Somitic origin of limb muscle satellite and side population cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 945-50	11.5	167
164	Pax3 inhibits myogenic differentiation of cultured myoblast cells. <i>Journal of Biological Chemistry</i> , 1995 , 270, 11719-22	5.4	165
163	Transcriptional genomics associates FOX transcription factors with human heart failure. <i>Circulation</i> , 2006 , 114, 1269-76	16.7	162
162	Pax3 is required for enteric ganglia formation and functions with Sox10 to modulate expression of c-ret. <i>Journal of Clinical Investigation</i> , 2000 , 106, 963-71	15.9	159
161	Cardiac outflow tract defects in mice lacking ALK2 in neural crest cells. <i>Development (Cambridge)</i> , 2004 , 131, 3481-90	6.6	158
160	Cardiac neural crest. <i>Seminars in Cell and Developmental Biology</i> , 2005 , 16, 704-15	7.5	157
159	PlexinA2 and semaphorin signaling during cardiac neural crest development. <i>Development (Cambridge)</i> , 2001 , 128, 3071-3080	6.6	155
158	Nf1 has an essential role in endothelial cells. <i>Nature Genetics</i> , 2003 , 33, 75-9	36.3	143
157	Neural crest expression of Cre recombinase directed by the proximal Pax3 promoter in transgenic mice. <i>Genesis</i> , 2000 , 26, 162-4	1.9	139
156	Inhibition of TGF β signaling increases direct conversion of fibroblasts to induced cardiomyocytes. <i>PLoS ONE</i> , 2014 , 9, e89678	3.7	139
155	Atrioventricular cushion transformation is mediated by ALK2 in the developing mouse heart. <i>Developmental Biology</i> , 2005 , 286, 299-310	3.1	134
154	Detection of cardiac allograft rejection and response to immunosuppressive therapy with peripheral blood gene expression. <i>Circulation</i> , 2004 , 110, 3815-21	16.7	134
153	Murine Jagged1/Notch signaling in the second heart field orchestrates Fgf8 expression and tissue-tissue interactions during outflow tract development. <i>Journal of Clinical Investigation</i> , 2009 , 119, 1986-96	15.9	133
152	The sinus venosus contributes to coronary vasculature through VEGFC-stimulated angiogenesis. <i>Development (Cambridge)</i> , 2014 , 141, 4500-12	6.6	127
151	Cre-mediated excision of Fgf8 in the Tbx1 expression domain reveals a critical role for Fgf8 in cardiovascular development in the mouse. <i>Developmental Biology</i> , 2004 , 267, 190-202	3.1	120
150	Semaphorin-PlexinD1 signaling limits angiogenic potential via the VEGF decoy receptor sFlt1. <i>Developmental Cell</i> , 2011 , 21, 301-14	10.2	119
149	Tbx1 affects asymmetric cardiac morphogenesis by regulating Pitx2 in the secondary heart field. <i>Development (Cambridge)</i> , 2006 , 133, 1565-73	6.6	119
148	Cardiac neural crest orchestrates remodeling and functional maturation of mouse semilunar valves. <i>Journal of Clinical Investigation</i> , 2011 , 121, 422-30	15.9	117

147	Myocardin-related transcription factor B is required in cardiac neural crest for smooth muscle differentiation and cardiovascular development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 8916-21	11.5	115
146	Calcineurin is required in urinary tract mesenchyme for the development of the pyeloureteral peristaltic machinery. <i>Journal of Clinical Investigation</i> , 2004 , 113, 1051-8	15.9	115
145	Biomarker system for studying muscle, stem cells, and cancer in vivo. <i>FASEB Journal</i> , 2009 , 23, 2681-90	0.9	111
144	Notch activation of Jagged1 contributes to the assembly of the arterial wall. <i>Circulation</i> , 2012 , 125, 314-23	28.7	110
143	Development gone awry: congenital heart disease. <i>Circulation Research</i> , 2004 , 94, 273-83	15.7	107
142	Pax3 regulation of FGF signaling affects the progression of embryonic progenitor cells into the myogenic program. <i>Genes and Development</i> , 2008 , 22, 1828-37	12.6	105
141	A nonclassical bHLH Rbpj transcription factor complex is required for specification of GABAergic neurons independent of Notch signaling. <i>Genes and Development</i> , 2008 , 22, 166-78	12.6	103
140	Genome-Nuclear Lamina Interactions Regulate Cardiac Stem Cell Lineage Restriction. <i>Cell</i> , 2017 , 171, 573-587.e14	56.2	102
139	Hopx and Hdac2 interact to modulate Gata4 acetylation and embryonic cardiac myocyte proliferation. <i>Developmental Cell</i> , 2010 , 19, 450-9	10.2	100
138	Islet1 derivatives in the heart are of both neural crest and second heart field origin. <i>Circulation Research</i> , 2012 , 110, 922-6	15.7	98
137	PlexinD1 glycoprotein controls migration of positively selected thymocytes into the medulla. <i>Immunity</i> , 2008 , 29, 888-98	32.3	98
136	Molecular markers of cardiac endocardial cushion development. <i>Developmental Dynamics</i> , 2003 , 228, 643-50	2.9	94
135	A Common Embryonic Origin of Stem Cells Drives Developmental and Adult Neurogenesis. <i>Cell</i> , 2019 , 177, 654-668.e15	56.2	89
134	HEART DEVELOPMENT. Integration of Bmp and Wnt signaling by Hopx specifies commitment of cardiomyoblasts. <i>Science</i> , 2015 , 348, aaa6071	33.3	89
133	Franklin H. Epstein Lecture. Cardiac development and implications for heart disease. <i>New England Journal of Medicine</i> , 2010 , 363, 1638-47	59.2	86
132	Identification of minimal enhancer elements sufficient for Pax3 expression in neural crest and implication of Tead2 as a regulator of Pax3. <i>Development (Cambridge)</i> , 2004 , 131, 829-37	6.6	85
131	Epicardial YAP/TAZ orchestrate an immunosuppressive response following myocardial infarction. <i>Journal of Clinical Investigation</i> , 2017 , 127, 899-911	15.9	85
130	Hippo Signaling Mediators Yap and Taz Are Required in the Epicardium for Coronary Vasculature Development. <i>Cell Reports</i> , 2016 , 15, 1384-1393	10.6	80

129	The role of neural crest during cardiac development in a mouse model of DiGeorge syndrome. <i>Developmental Biology</i> , 2002 , 251, 157-66	3.1	79
128	Transgenic overexpression of Hdac3 in the heart produces increased postnatal cardiac myocyte proliferation but does not induce hypertrophy. <i>Journal of Biological Chemistry</i> , 2008 , 283, 26484-9	5.4	77
127	Single-cell analysis of proxy reporter allele-marked epithelial cells establishes intestinal stem cell hierarchy. <i>Stem Cell Reports</i> , 2014 , 3, 876-91	8	76
126	Tie2Cre-mediated inactivation of plexinD1 results in congenital heart, vascular and skeletal defects. <i>Developmental Biology</i> , 2009 , 325, 82-93	3.1	76
125	Induced regeneration--the progress and promise of direct reprogramming for heart repair. <i>Nature Medicine</i> , 2013 , 19, 829-36	50.5	75
124	Notch signaling regulates murine atrioventricular conduction and the formation of accessory pathways. <i>Journal of Clinical Investigation</i> , 2011 , 121, 525-33	15.9	74
123	Gata4 and Gata5 cooperatively regulate cardiac myocyte proliferation in mice. <i>Journal of Biological Chemistry</i> , 2010 , 285, 1765-72	5.4	71
122	Semaphorin signaling in cardiovascular development. <i>Cell Metabolism</i> , 2015 , 21, 163-173	24.6	68
121	Myocardial Notch signaling reprograms cardiomyocytes to a conduction-like phenotype. <i>Circulation</i> , 2012 , 126, 1058-66	16.7	68
120	Pursuing cardiac progenitors: regeneration redux. <i>Cell</i> , 2005 , 120, 295-8	56.2	68
119	Hop functions downstream of Nkx2.1 and GATA6 to mediate HDAC-dependent negative regulation of pulmonary gene expression. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006 , 291, L191-9	5.8	67
118	Hippo signaling is required for Notch-dependent smooth muscle differentiation of neural crest. <i>Development (Cambridge)</i> , 2015 , 142, 2962-71	6.6	66
117	Identification of a novel nuclear localization signal in Tbx1 that is deleted in DiGeorge syndrome patients harboring the 1223delC mutation. <i>Human Molecular Genetics</i> , 2005 , 14, 885-92	5.6	66
116	Tumor-specific PAX3-FKHR transcription factor, but not PAX3, activates the platelet-derived growth factor alpha receptor. <i>Molecular and Cellular Biology</i> , 1998 , 18, 4118-30	4.8	66
115	Diet-induced lethality due to deletion of the Hdac3 gene in heart and skeletal muscle. <i>Journal of Biological Chemistry</i> , 2011 , 286, 33301-9	5.4	65
114	Ash2l interacts with Tbx1 and is required during early embryogenesis. <i>Experimental Biology and Medicine</i> , 2010 , 235, 569-76	3.7	63
113	NF1 regulates a Ras-dependent vascular smooth muscle proliferative injury response. <i>Circulation</i> , 2007 , 116, 2148-56	16.7	60
112	The LN54 radiation hybrid map of zebrafish expressed sequences. <i>Genome Research</i> , 2001 , 11, 2127-32	9.7	60

111	Hopx expression defines a subset of multipotent hair follicle stem cells and a progenitor population primed to give rise to K6+ niche cells. <i>Development (Cambridge)</i> , 2013 , 140, 1655-64	6.6	59
110	Zebrafish neurofibromatosis type 1 genes have redundant functions in tumorigenesis and embryonic development. <i>DMM Disease Models and Mechanisms</i> , 2012 , 5, 881-94	4.1	58
109	Melanocyte-like cells in the heart and pulmonary veins contribute to atrial arrhythmia triggers. <i>Journal of Clinical Investigation</i> , 2009 , 119, 3420-36	15.9	58
108	Trichostatin A abrogates airway constriction, but not inflammation, in murine and human asthma models. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012 , 46, 132-8	5.7	57
107	Developing models of DiGeorge syndrome. <i>Trends in Genetics</i> , 2001 , 17, S13-7	8.5	57
106	Semaphorin 3d signaling defects are associated with anomalous pulmonary venous connections. <i>Nature Medicine</i> , 2013 , 19, 760-5	50.5	56
105	Molecular determinants of lung development. <i>Annals of the American Thoracic Society</i> , 2013 , 10, S12-6	4.7	56
104	Cardiomyocyte renewal. <i>New England Journal of Medicine</i> , 2009 , 361, 86-8	59.2	53
103	Persistent expression of Pax3 in the neural crest causes cleft palate and defective osteogenesis in mice. <i>Journal of Clinical Investigation</i> , 2008 , 118, 2076-87	15.9	52
102	Circadian control of bile acid synthesis by a KLF15-Fgf15 axis. <i>Nature Communications</i> , 2015 , 6, 7231	17.4	51
101	Identification of a hypaxial somite enhancer element regulating Pax3 expression in migrating myoblasts and characterization of hypaxial muscle Cre transgenic mice. <i>Genesis</i> , 2005 , 41, 202-9	1.9	51
100	De novo mutations in PLXND1 and REV3L cause MBIus syndrome. <i>Nature Communications</i> , 2015 , 6, 7199	17.4	50
99	Histone deacetylase 3 regulates smooth muscle differentiation in neural crest cells and development of the cardiac outflow tract. <i>Circulation Research</i> , 2011 , 109, 1240-9	15.7	49
98	Ectatenin regulates Pax3 and Cdx2 for caudal neural tube closure and elongation. <i>Development (Cambridge)</i> , 2014 , 141, 148-57	6.6	48
97	Semaphorin 3d and semaphorin 3e direct endothelial motility through distinct molecular signaling pathways. <i>Journal of Biological Chemistry</i> , 2014 , 289, 17971-9	5.4	48
96	Inpp5f is a polyphosphoinositide phosphatase that regulates cardiac hypertrophic responsiveness. <i>Circulation Research</i> , 2009 , 105, 1240-7	15.7	48
95	Modulation of cAMP and ras signaling pathways improves distinct behavioral deficits in a zebrafish model of neurofibromatosis type 1. <i>Cell Reports</i> , 2014 , 8, 1265-70	10.6	47
94	Persistence of effector memory Th1 cells is regulated by Hopx. <i>European Journal of Immunology</i> , 2010 , 40, 2993-3006	6.1	47

93	Transcriptional regulation of cardiac development: implications for congenital heart disease and DiGeorge syndrome. <i>Pediatric Research</i> , 2000 , 48, 717-24	3.2	46
92	Neurofibromin deficiency in mice causes exencephaly and is a modifier for Splotch neural tube defects. <i>Developmental Biology</i> , 1999 , 212, 80-92	3.1	46
91	p57Kip2 expression is enhanced during mid-cardiac murine development and is restricted to trabecular myocardium. <i>Pediatric Research</i> , 1999 , 45, 635-42	3.2	45
90	Plexin D1 determines body fat distribution by regulating the type V collagen microenvironment in visceral adipose tissue. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 4363-8	11.5	44
89	Lgr5 Identifies Progenitor Cells Capable of Taste Bud Regeneration after Injury. <i>PLoS ONE</i> , 2013 , 8, e66314	3.4	44
88	Foxp1/2/4-NuRD interactions regulate gene expression and epithelial injury response in the lung via regulation of interleukin-6. <i>Journal of Biological Chemistry</i> , 2010 , 285, 13304-13	5.4	44
87	CAR T cells produced in vivo to treat cardiac injury.. <i>Science</i> , 2022 , 375, 91-96	33.3	44
86	Foxa2 identifies a cardiac progenitor population with ventricular differentiation potential. <i>Nature Communications</i> , 2017 , 8, 14428	17.4	43
85	The Notch1 transcriptional activation domain is required for development and reveals a novel role for Notch1 signaling in fetal hematopoietic stem cells. <i>Genes and Development</i> , 2014 , 28, 576-93	12.6	43
84	Genetic dissection of plexin signaling in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 2194-9	11.5	43
83	Congenital heart disease reminiscent of partial trisomy 2p syndrome in mice transgenic for the transcription factor Lbh. <i>Development (Cambridge)</i> , 2005 , 132, 3305-16	6.6	43
82	Distinct enhancers at the Pax3 locus can function redundantly to regulate neural tube and neural crest expressions. <i>Developmental Biology</i> , 2010 , 339, 519-27	3.1	42
81	The neurofibromin GAP-related domain rescues endothelial but not neural crest development in Nf1 mice. <i>Journal of Clinical Investigation</i> , 2006 , 116, 2378-84	15.9	41
80	Cardiomyocyte-specific loss of neurofibromin promotes cardiac hypertrophy and dysfunction. <i>Circulation Research</i> , 2009 , 105, 304-11	15.7	40
79	Increased thymus- and decreased parathyroid-fated organ domains in Splotch mutant embryos. <i>Developmental Biology</i> , 2009 , 327, 216-27	3.1	40
78	Cre reporter mouse expressing a nuclear localized fusion of GFP and beta-galactosidase reveals new derivatives of Pax3-expressing precursors. <i>Genesis</i> , 2008 , 46, 200-4	1.9	40
77	Pax3 and hippo signaling coordinate melanocyte gene expression in neural crest. <i>Cell Reports</i> , 2014 , 9, 1885-1895	10.6	39
76	Pax3, neural crest and cardiovascular development. <i>Trends in Cardiovascular Medicine</i> , 1996 , 6, 255-60	6.9	39

75	H3K9me2 orchestrates inheritance of spatial positioning of peripheral heterochromatin through mitosis. <i>ELife</i> , 2019 , 8,	8.9	38
74	Notch and cardiac outflow tract development. <i>Annals of the New York Academy of Sciences</i> , 2010 , 1188, 184-90	6.5	37
73	Tie2-Cre-induced inactivation of a conditional mutant Nf1 allele in mouse results in a myeloproliferative disorder that models juvenile myelomonocytic leukemia. <i>Pediatric Research</i> , 2004 , 55, 581-4	3.2	37
72	Oligodendrocyte progenitor cell numbers and migration are regulated by the zebrafish orthologs of the NF1 tumor suppressor gene. <i>Human Molecular Genetics</i> , 2010 , 19, 4643-53	5.6	36
71	MicroRNA-processing enzyme Dicer is required in epicardium for coronary vasculature development. <i>Journal of Biological Chemistry</i> , 2011 , 286, 41036-45	5.4	36
70	Endothelial lineage-mediated loss of the GATA cofactor Friend of GATA 1 impairs cardiac development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 14030-5	11.5	36
69	Recent advances in cardiac development with therapeutic implications for adult cardiovascular disease. <i>Circulation</i> , 2005 , 112, 592-7	16.7	34
68	Murine craniofacial development requires Hdac3-mediated repression of Msx gene expression. <i>Developmental Biology</i> , 2013 , 377, 333-44	3.1	33
67	MRL mice fail to heal the heart in response to ischemia-reperfusion injury. <i>Wound Repair and Regeneration</i> , 2005 , 13, 205-8	3.6	33
66	Menin expression modulates mesenchymal cell commitment to the myogenic and osteogenic lineages. <i>Developmental Biology</i> , 2009 , 332, 116-30	3.1	30
65	Peripherally Induced Tolerance Depends on Peripheral Regulatory T Cells That Require Hopx To Inhibit Intrinsic IL-2 Expression. <i>Journal of Immunology</i> , 2015 , 195, 1489-97	5.3	29
64	Coronary vasculature patterning requires a novel endothelial ErbB2 holoreceptor. <i>Nature Communications</i> , 2016 , 7, 12038	17.4	29
63	Hopx distinguishes hippocampal from lateral ventricle neural stem cells. <i>Stem Cell Research</i> , 2015 , 15, 522-529	1.6	28
62	Menin is required in cranial neural crest for palatogenesis and perinatal viability. <i>Developmental Biology</i> , 2007 , 311, 524-37	3.1	28
61	Analysis of the structure and function of the transcriptional coregulator HOP. <i>Biochemistry</i> , 2006 , 45, 10584-90	3.2	28
60	Rnf4, a RING protein expressed in the developing nervous and reproductive systems, interacts with Gscl, a gene within the DiGeorge critical region. <i>Developmental Dynamics</i> , 2000 , 218, 102-11	2.9	28
59	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. <i>American Journal of Epidemiology</i> , 2015 , 181, 363-8	3.8	27
58	Distinct roles of HF-1b/Sp4 in ventricular and neural crest cells lineages affect cardiac conduction system development. <i>Developmental Biology</i> , 2006 , 291, 208-17	3.1	27

57	Zinc transporter Slc39a8 is essential for cardiac ventricular compaction. <i>Journal of Clinical Investigation</i> , 2018 , 128, 826-833	15.9	27
56	A Time to Press Reset and Regenerate Cardiac Stem Cell Biology. <i>JAMA Cardiology</i> , 2019 , 4, 95-96	16.2	27
55	Regulation of survival in adult hippocampal and glioblastoma stem cell lineages by the homeodomain-only protein HOP. <i>Neural Development</i> , 2008 , 3, 13	3.9	26
54	Lbx2, a novel murine homeobox gene related to the Drosophila ladybird genes is expressed in the developing urogenital system, eye and brain. <i>Mechanisms of Development</i> , 1999 , 84, 181-4	1.7	25
53	Resolution of defective dorsal aortae patterning in Sema3E-deficient mice occurs via angiogenic remodeling. <i>Developmental Dynamics</i> , 2013 , 242, 580-90	2.9	24
52	Cardiac and vascular functions of the zebrafish orthologues of the type I neurofibromatosis gene NFI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 22305-10 ^{11.5}	11.5	24
51	Synergy between loss of NF1 and overexpression of MYCN in neuroblastoma is mediated by the GAP-related domain. <i>ELife</i> , 2016 , 5,	8.9	23
50	Chromatin and Transcriptional Analysis of Mesoderm Progenitor Cells Identifies HOPX as a Regulator of Primitive Hematopoiesis. <i>Cell Reports</i> , 2017 , 20, 1597-1608	10.6	21
49	Epicardium-derived cardiac mesenchymal stem cells: expanding the outer limit of heart repair. <i>Circulation Research</i> , 2012 , 110, 904-6	15.7	21
48	Pax3 and vertebrate development. <i>Methods in Molecular Biology</i> , 2000 , 137, 459-70	1.4	21
47	Gene expression analysis by in situ hybridization. Radioactive probes. <i>Methods in Molecular Biology</i> , 2000 , 137, 87-96	1.4	20
46	Hopping to the beat. Hop regulation of cardiac gene expression. <i>Trends in Cardiovascular Medicine</i> , 2003 , 13, 261-4	6.9	19
45	The Genetic Landscape of Hematopoietic Stem Cell Frequency in Mice. <i>Stem Cell Reports</i> , 2015 , 5, 125-38	3.8	18
44	Tissue-tissue interactions during morphogenesis of the outflow tract. <i>Pediatric Cardiology</i> , 2010 , 31, 408-13	2.1	18
43	A perspective on the value of aquatic models in biomedical research. <i>Experimental Biology and Medicine</i> , 2005 , 230, 1-7	3.7	18
42	Endocardial Hippo signaling regulates myocardial growth and cardiogenesis. <i>Developmental Biology</i> , 2018 , 440, 22-30	3.1	17
41	A radial axis defined by semaphorin-to-neuropilin signaling controls pancreatic islet morphogenesis. <i>Development (Cambridge)</i> , 2017 , 144, 3744-3754	6.6	17
40	Immune Cells and Immunotherapy for Cardiac Injury and Repair. <i>Circulation Research</i> , 2021 , 128, 1766-1779	17.9	17

39	Homeodomain only protein x is down-regulated in human heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 50, 1056-8	5.8	16
38	Semaphorin 3E/PlexinD1 signaling is required for cardiac ventricular compaction. <i>JCI Insight</i> , 2019 , 4,	9.9	16
37	The nuclear periphery is a scaffold for tissue-specific enhancers. <i>Nucleic Acids Research</i> , 2021 , 49, 6181-6195	10.5	15
36	Lineage-specific reorganization of nuclear peripheral heterochromatin and H3K9me2 domains. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	13
35	Signalling pathways regulating cardiac neural crest migration and differentiation. <i>Novartis Foundation Symposium</i> , 2007 , 283, 152-61; discussion 161-4, 238-41		13
34	Currying favor for the heart. <i>Journal of Clinical Investigation</i> , 2008 , 118, 850-2	15.9	13
33	Plxnd1 expression in thymocytes regulates their intrathymic migration while that in thymic endothelium impacts medullary topology. <i>Frontiers in Immunology</i> , 2013 , 4, 392	8.4	12
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