

# Robert J Schwartz

## List of Publications by Year in descending order

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175  
papers

17,146  
citations

12322

69  
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14736

127  
g-index

177  
all docs

177  
docs citations

177  
times ranked

18638  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dysregulation of Cardiogenesis, Cardiac Conduction, and Cell Cycle in Mice Lacking miRNA-1-2. <i>Cell</i> , 2007, 129, 303-317.	13.5	1,341
2	Thymosin $\beta$ 4 induces adult epicardial progenitor mobilization and neovascularization. <i>Nature</i> , 2007, 445, 177-182.	13.7	605
3	MicroRNA Regulation of Cell Lineages in Mouse and Human Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2008, 2, 219-229.	5.2	577
4	Myogenic Vector Expression of Insulin-like Growth Factor I Stimulates Muscle Cell Differentiation and Myofiber Hypertrophy in Transgenic Mice. <i>Journal of Biological Chemistry</i> , 1995, 270, 12109-12116.	1.6	556
5	Regulation of Insulin-Like Growth Factor Signaling by Yap Governs Cardiomyocyte Proliferation and Embryonic Heart Size. <i>Science Signaling</i> , 2011, 4, ra70.	1.6	477
6	Skeletal muscle myocytes undergo protein loss and reactive oxygen $\alpha$ -mediated NF $\alpha$ B activation in response to tumor necrosis factor $\alpha$ . <i>FASEB Journal</i> , 1998, 12, 871-880.	0.2	403
7	Cardiac-Specific Deletion of Gata4 Reveals Its Requirement for Hypertrophy, Compensation, and Myocyte Viability. <i>Circulation Research</i> , 2006, 98, 837-845.	2.0	384
8	A histone H3 lysine 36 trimethyltransferase links Nkx2-5 to Wolf $\alpha$ Hirschhorn syndrome. <i>Nature</i> , 2009, 460, 287-291.	13.7	336
9	TAK1 is activated in the myocardium after pressure overload and is sufficient to provoke heart failure in transgenic mice. <i>Nature Medicine</i> , 2000, 6, 556-563.	15.2	324
10	GATA-4 and Nkx-2.5 Coactivate Nkx-2 DNA Binding Targets: Role for Regulating Early Cardiac Gene Expression. <i>Molecular and Cellular Biology</i> , 1998, 18, 3405-3415.	1.1	295
11	Identification of Novel DNA Binding Targets and Regulatory Domains of a Murine Tinman Homeodomain Factor, nkx-2.5. <i>Journal of Biological Chemistry</i> , 1995, 270, 15628-15633.	1.6	277
12	Aging Down-Regulates the Transcription Factor E2A, Activation-Induced Cytidine Deaminase, and Ig Class Switch in Human B Cells. <i>Journal of Immunology</i> , 2008, 180, 5283-5290.	0.4	276
13	Hop Is an Unusual Homeobox Gene that Modulates Cardiac Development. <i>Cell</i> , 2002, 110, 713-723.	13.5	256
14	Essential role of GATA-4 in cell survival and drug-induced cardiotoxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6975-6980.	3.3	251
15	Mutations in the muscle LIM protein and $\beta$ -actinin-2 genes in dilated cardiomyopathy and endocardial fibroelastosis. <i>Molecular Genetics and Metabolism</i> , 2003, 80, 207-215.	0.5	249
16	Three glycolytic enzymes are phosphorylated at tyrosine in cells transformed by Rous sarcoma virus. <i>Nature</i> , 1983, 302, 218-223.	13.7	245
17	Morphogenesis of the right ventricle requires myocardial expression of Gata4. <i>Journal of Clinical Investigation</i> , 2005, 115, 1522-1531.	3.9	232
18	Defective cardiovascular development and elevated cyclin E and Notch proteins in mice lacking the Fbw7 F-box protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 3338-3345.	3.3	228

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19	Synthetic muscle promoters: activities exceeding naturally occurring regulatory sequences. <i>Nature Biotechnology</i> , 1999, 17, 241-245.	9.4	219
20	Cysteine-Rich LIM-Only Proteins CRP1 and CRP2 Are Potent Smooth Muscle Differentiation Cofactors. <i>Developmental Cell</i> , 2003, 4, 107-118.	3.1	215
21	Activation of Rho-associated coiled-coil protein kinase 1 (ROCK-1) by caspase-3 cleavage plays an essential role in cardiac myocyte apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14495-14500.	3.3	205
22	Bmp4 signaling is required for outflow-tract septation and branchial-arch artery remodeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 4489-4494.	3.3	203
23	Transcription factors ETS2 and MESP1 transdifferentiate human dermal fibroblasts into cardiac progenitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13016-13021.	3.3	199
24	Expression of Chick Tbx-2, Tbx-3, and Tbx-5 Genes during Early Heart Development: Evidence for BMP2 Induction of Tbx2. <i>Developmental Biology</i> , 2000, 228, 95-105.	0.9	196
25	Targeted deletion of ROCK1 protects the heart against pressure overload by inhibiting reactive fibrosis. <i>FASEB Journal</i> , 2006, 20, 916-925.	0.2	195
26	Insulin-like Growth Factor-I Extends in Vitro Replicative Life Span of Skeletal Muscle Satellite Cells by Enhancing G1/S Cell Cycle Progression via the Activation of Phosphatidylinositol 3-kinase/Akt Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2000, 275, 35942-35952.	1.6	194
27	SUMO-Specific Protease 2 Is Essential for Suppression of Polycomb Group Protein-Mediated Gene Silencing during Embryonic Development. <i>Molecular Cell</i> , 2010, 38, 191-201.	4.5	188
28	Retinoic acid deficiency alters second heart field formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2913-2918.	3.3	186
29	Impaired vascular contractility and blood pressure homeostasis in the smooth muscle $\beta$ -actin null mouse. <i>FASEB Journal</i> , 2000, 14, 2213-2220.	0.2	184
30	Avian Serum Response Factor Expression Restricted Primarily to Muscle Cell Lineages Is Required for $\beta$ -Actin Gene Transcription. <i>Developmental Biology</i> , 1996, 177, 250-264.	0.9	181
31	Cardiac Tissue Enriched Factors Serum Response Factor and GATA-4 Are Mutual Coregulators. <i>Molecular and Cellular Biology</i> , 2000, 20, 7550-7558.	1.1	180
32	Subepicardial endothelial cells invade the embryonic ventricle wall to form coronary arteries. <i>Cell Research</i> , 2013, 23, 1075-1090.	5.7	176
33	Endothelial PI3K-C2 $\beta$ , a class II PI3K, has an essential role in angiogenesis and vascular barrier function. <i>Nature Medicine</i> , 2012, 18, 1560-1569.	15.2	174
34	Sox17 is essential for the specification of cardiac mesoderm in embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 3859-3864.	3.3	160
35	Defective erythroid differentiation in miR-451 mutant mice mediated by 14-3-3 $\sigma$ . <i>Genes and Development</i> , 2010, 24, 1614-1619.	2.7	156
36	Cardiac-Specific Ablation of G-Protein Receptor Kinase 2 Redefines Its Roles in Heart Development and $\beta$ -Adrenergic Signaling. <i>Circulation Research</i> , 2006, 99, 996-1003.	2.0	152

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37	Combinatorial Expression of GATA4, Nkx2-5, and Serum Response Factor Directs Early Cardiac Gene Activity. <i>Journal of Biological Chemistry</i> , 2002, 277, 25775-25782.	1.6	150
38	The Cardiac Determination Factor, Nkx2-5, Is Activated by Mutual Cofactors GATA-4 and Smad1/4 via a Novel Upstream Enhancer. <i>Journal of Biological Chemistry</i> , 2004, 279, 10659-10669.	1.6	150
39	Local insulin-like growth factor I expression induces physiologic, then pathologic, cardiac hypertrophy in transgenic mice. <i>FASEB Journal</i> , 1999, 13, 1923-1929.	0.2	149
40	RhoA Signaling via Serum Response Factor Plays an Obligatory Role in Myogenic Differentiation. <i>Journal of Biological Chemistry</i> , 1998, 273, 30287-30294.	1.6	147
41	Signaling via the Tgf- $\beta$ 2 type I receptor Alk5 in heart development. <i>Developmental Biology</i> , 2008, 322, 208-218.	0.9	147
42	Genetic Fate Mapping Identifies Second Heart Field Progenitor Cells As a Source of Adipocytes in Arrhythmogenic Right Ventricular Cardiomyopathy. <i>Circulation Research</i> , 2009, 104, 1076-1084.	2.0	135
43	Organization and Myogenic Restricted Expression of the Murine Serum Response Factor Gene. <i>Journal of Biological Chemistry</i> , 1997, 272, 18222-18231.	1.6	133
44	Cardiac Muscle Plasticity in Adult and Embryo by Heart-Derived Progenitor Cells. <i>Annals of the New York Academy of Sciences</i> , 2004, 1015, 182-189.	1.8	132
45	Threshold-specific requirements for Bmp4 in mandibular development. <i>Developmental Biology</i> , 2005, 283, 282-293.	0.9	128
46	Conditional Mutagenesis of the Murine Serum Response Factor Gene Blocks Cardiogenesis and the Transcription of Downstream Gene Targets. <i>Journal of Biological Chemistry</i> , 2005, 280, 32531-32538.	1.6	116
47	Serum response factor micromanaging cardiogenesis. <i>Current Opinion in Cell Biology</i> , 2007, 19, 618-627.	2.6	114
48	Activation of the cardiac $\beta$ -actin promoter depends upon serum response factor, Tinman homologue, Nkx-2.5, and intact serum response elements. <i>Genesis</i> , 1996, 19, 119-130.	3.3	112
49	Calcium/Calmodulin-dependent Protein Kinase Activates Serum Response Factor Transcription Activity by Its Dissociation from Histone Deacetylase, HDAC4. <i>Journal of Biological Chemistry</i> , 2003, 278, 20047-20058.	1.6	112
50	Characterization and In Vivo Pharmacological Rescue of a Wnt2-Gata6 Pathway Required for Cardiac Inflow Tract Development. <i>Developmental Cell</i> , 2010, 18, 275-287.	3.1	108
51	Serum response factor orchestrates nascent sarcomerogenesis and silences the biomineralization gene program in the heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17824-17829.	3.3	107
52	Targeted Expression of IGF-1 Transgene to Skeletal Muscle Accelerates Muscle and Motor Neuron Regeneration. <i>FASEB Journal</i> , 2003, 17, 53-55.	0.2	102
53	Myogenic expression of an injectable protease-resistant growth hormone-releasing hormone augments long-term growth in pigs. <i>Nature Biotechnology</i> , 1999, 17, 1179-1183.	9.4	100
54	Transcription factor genes <i>Smad4</i> and <i>Gata4</i> cooperatively regulate cardiac valve development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4006-4011.	3.3	98

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55	Tissue restricted and stage specific transcription is maintained within 411 nucleotides flanking the 5' end of the chicken $\beta$ -skeletal actin gene. <i>Nucleic Acids Research</i> , 1986, 14, 1683-1701.	6.5	96
56	Serum Response Factor Mediates AP-1-dependent Induction of the Skeletal $\beta$ -Actin Promoter in Ventricular Myocytes. <i>Journal of Biological Chemistry</i> , 1996, 271, 10827-10833.	1.6	96
57	SUMO-1 Modification Activated GATA4-dependent Cardiogenic Gene Activity. <i>Journal of Biological Chemistry</i> , 2004, 279, 49091-49098.	1.6	89
58	Rho kinase-1 mediates cardiac fibrosis by regulating fibroblast precursor cell differentiation. <i>Cardiovascular Research</i> , 2009, 83, 511-518.	1.8	89
59	Dominant Negative Murine Serum Response Factor: Alternative Splicing within the Activation Domain Inhibits Transactivation of Serum Response Factor Binding Targets. <i>Molecular and Cellular Biology</i> , 1999, 19, 4582-4591.	1.1	87
60	The Developmentally Regulated Expression of Serum Response Factor Plays a Key Role in the Control of Smooth Muscle-Specific Genes. <i>Developmental Biology</i> , 1998, 194, 18-37.	0.9	84
61	Intron-dependent evolution of chicken glyceraldehyde phosphate dehydrogenase gene. <i>Nature</i> , 1985, 313, 498-500.	13.7	83
62	Evidence for a Role of Smad6 in Chick Cardiac Development. <i>Developmental Biology</i> , 1999, 215, 48-61.	0.9	82
63	The Smooth Muscle $\beta$ -Actin Gene Promoter Is a Molecular Target for the Mouse bagpipe Homologue, mNkx3-1, and Serum Response Factor. <i>Journal of Biological Chemistry</i> , 2000, 275, 39061-39072.	1.6	81
64	TNF $\alpha$ regulates early differentiation of C2C12 myoblasts in an autocrine fashion. <i>FASEB Journal</i> , 2001, 15, 1413-1415.	0.2	80
65	Transforming Growth Factor- $\beta$ 2 Induction of Smooth Muscle Cell Phenotype Requires Transcriptional and Post-transcriptional Control of Serum Response Factor. <i>Journal of Biological Chemistry</i> , 2002, 277, 6287-6295.	1.6	80
66	The complete sequence of the chicken $\beta$ -cardiac actin gene: a highly conserved vertebrate gene. <i>Nucleic Acids Research</i> , 1985, 13, 1223-1237.	6.5	79
67	Msx2 and Necdin Combined Activities Are Required for Smooth Muscle Differentiation in Mesoangioblast Stem Cells. <i>Circulation Research</i> , 2004, 94, 1571-1578.	2.0	79
68	Inhibitory Cardiac Transcription Factor, SRF-N, Is Generated by Caspase 3 Cleavage in Human Heart Failure and Attenuated by Ventricular Unloading. <i>Circulation</i> , 2003, 108, 407-413.	1.6	74
69	Identification of Direct Serum-response Factor Gene Targets during Me2SO-induced P19 Cardiac Cell Differentiation. <i>Journal of Biological Chemistry</i> , 2005, 280, 19115-19126.	1.6	74
70	Myocardin Sumoylation Transactivates Cardiogenic Genes in Pluripotent 10T1/2 Fibroblasts. <i>Molecular and Cellular Biology</i> , 2007, 27, 622-632.	1.1	74
71	T-box 2, a mediator of Bmp-Smad signaling, induced hyaluronan synthase 2 and Tgfb $\beta$ 2 expression and endocardial cushion formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18604-18609.	3.3	74
72	$\beta$ 1 integrin and organized actin filaments facilitate cardiomyocyte-specific RhoA-dependent activation of the skeletal $\beta$ -actin promoter. <i>FASEB Journal</i> , 2001, 15, 785-796.	0.2	70

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73	Defective sumoylation pathway directs congenital heart disease. Birth Defects Research Part A: Clinical and Molecular Teratology, 2011, 91, 468-476.	1.6	70
74	Physical Interaction between the MADS Box of Serum Response Factor and the TEA/ATTS DNA-binding Domain of Transcription Enhancer Factor-1. Journal of Biological Chemistry, 2001, 276, 10413-10422.	1.6	68
75	MicroRNA-17-92, a Direct Ap-2 $\pm$ Transcriptional Target, Modulates T-Box Factor Activity in Orofacial Clefting. PLoS Genetics, 2013, 9, e1003785.	1.5	68
76	Signaling Mechanism of Renal Fibrosis in Unilateral Ureteral Obstructive Kidney Disease in ROCK1 Knockout Mice. Journal of the American Society of Nephrology: JASN, 2006, 17, 3105-3114.	3.0	66
77	miR-322/-503 cluster is expressed in the earliest cardiac progenitor cells and drives cardiomyocyte specification. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9551-9556.	3.3	66
78	Sumoylation and Regulation of Cardiac Gene Expression. Circulation Research, 2010, 107, 19-29.	2.0	65
79	Serum response factor MADS box serine -162 phosphorylation switches proliferation and myogenic gene programs. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4516-4521.	3.3	64
80	Thymosin beta-4 Is Essential for Coronary Vessel Development and Promotes Neovascularization via Adult Epicardium. Annals of the New York Academy of Sciences, 2007, 1112, 171-188.	1.8	64
81	Persistent IGF $\beta$ overexpression in skeletal muscle transiently enhances DNA accretion and growth 1. FASEB Journal, 2003, 17, 59-60.	0.2	63
82	A review of regulation of gene expression by steroid hormone receptors. The Journal of Steroid Biochemistry, 1976, 7, 1151-1159.	1.3	59
83	Chicken Nkx-2.8: A Novel Homeobox Gene Expressed in Early Heart Progenitor Cells and Pharyngeal Pouch-2 and -3 Endoderm. Developmental Biology, 1997, 188, 295-311.	0.9	59
84	Conditional Deletion of Focal Adhesion Kinase Leads to Defects in Ventricular Septation and Outflow Tract Alignment. Molecular and Cellular Biology, 2007, 27, 5352-5364.	1.1	59
85	Pax3 is essential for normal cardiac neural crest morphogenesis but is not required during migration nor outflow tract septation. Developmental Biology, 2011, 356, 308-322.	0.9	55
86	Whole animal knockout of smooth muscle alpha $\beta$ actin does not alter excisional wound healing or the fibroblast $\beta$ myofibroblast transition. Wound Repair and Regeneration, 2013, 21, 166-176.	1.5	53
87	Enhanced growth by ectopic expression of growth hormone releasing hormone using an injectable myogenic vector. Nature Biotechnology, 1997, 15, 1285-1289.	9.4	52
88	SMYD1, the myogenic activator, is a direct target of serum response factor and myogenin. Nucleic Acids Research, 2009, 37, 7059-7071.	6.5	52
89	Conditional Ablation of Ezh2 in Murine Hearts Reveals Its Essential Roles in Endocardial Cushion Formation, Cardiomyocyte Proliferation and Survival. PLoS ONE, 2012, 7, e31005.	1.1	50
90	Utility of firefly luciferase as a reporter gene for promoter activity in transgenic mice. Nucleic Acids Research, 1988, 16, 4159-4159.	6.5	48

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91	Serum Response Factor, an Enriched Cardiac Mesoderm Obligatory Factor, Is a Downstream Gene Target for Tbx Genes. <i>Journal of Biological Chemistry</i> , 2005, 280, 11816-11828.	1.6	48
92	Cardiovascular abnormalities inFolr1 knockout mice and folate rescue. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2007, 79, 257-268.	1.6	47
93	Smyd1 Facilitates Heart Development by Antagonizing Oxidative and ER Stress Responses. <i>PLoS ONE</i> , 2015, 10, e0121765.	1.1	47
94	GATA-4 and Serum Response Factor Regulate Transcription of the Muscle-specific Carnitine Palmitoyltransferase I <sup>1</sup> in Rat Heart. <i>Journal of Biological Chemistry</i> , 2001, 276, 1026-1033.	1.6	46
95	Regulation of Cardiac Specific nkx2.5 Gene Activity by Small Ubiquitin-like Modifier. <i>Journal of Biological Chemistry</i> , 2008, 283, 23235-23243.	1.6	46
96	Inactivation of Cdc42 in neural crest cells causes craniofacial and cardiovascular morphogenesis defects. <i>Developmental Biology</i> , 2013, 383, 239-252.	0.9	46
97	Recruitment of the Androgen Receptor via Serum Response Factor Facilitates Expression of a Myogenic Gene. <i>Journal of Biological Chemistry</i> , 2005, 280, 7786-7792.	1.6	45
98	LIM-only protein, CRP2, switched on smooth muscle gene activity in adult cardiac myocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 157-162.	3.3	45
99	Single-Cell Lineage Tracing Reveals that Oriented Cell Division Contributes to Trabecular Morphogenesis and Regional Specification. <i>Cell Reports</i> , 2016, 15, 158-170.	2.9	45
100	Disruption of Rho signaling results in progressive atrioventricular conduction defects while ventricular function remains preserved. <i>FASEB Journal</i> , 2004, 18, 857-859.	0.2	44
101	Alterations in iodinated cell surface proteins during myogenesis. <i>Experimental Cell Research</i> , 1978, 113, 445-450.	1.2	43
102	SRF protein is upregulated during stretch-induced hypertrophy of rooster ALD muscle. <i>Journal of Applied Physiology</i> , 1999, 86, 1793-1799.	1.2	42
103	The FGF-BMP Signaling Axis Regulates Outflow Tract Valve Primordium Formation by Promoting Cushion Neural Crest Cell Differentiation. <i>Circulation Research</i> , 2010, 107, 1209-1219.	2.0	42
104	A Constitutive Mutation ofALK5Disrupts Cardiac Looping and Morphogenesis in Mice. <i>Developmental Biology</i> , 1998, 199, 72-79.	0.9	39
105	Complex cardiac Nkx2-5 gene expression activated by noggin-sensitive enhancers followed by chamber-specific modules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13490-13495.	3.3	39
106	Histone H3 lysine 9 methyltransferases, G9a and GLP are essential for cardiac morphogenesis. <i>Mechanisms of Development</i> , 2013, 130, 519-531.	1.7	39
107	Transient Expression of FRNK Reveals Stage-Specific Requirement for Focal Adhesion Kinase Activity in Cardiac Growth. <i>Circulation Research</i> , 2009, 104, 1201-1208.	2.0	37
108	Enhanced animal growth via ligand regulated GHRH myogenic injectable vectors. <i>FASEB Journal</i> , 2002, 16, 426-428.	0.2	36

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109	Deletion of Smooth Muscle $\alpha$ -Actin Alters Blood-Retina Barrier Permeability and Retinal Function. , 2006, 47, 2693.		33
110	Epistatic Rescue of Nkx2.5 Adult Cardiac Conduction Disease Phenotypes by Prospero-Related Homeobox Protein 1 and HDAC3. Circulation Research, 2012, 111, e19-31.	2.0	32
111	Defective myogenesis in the absence of the muscle-specific lysine methyltransferase SMYD1. Developmental Biology, 2016, 410, 86-97.	0.9	32
112	Brief Report: Oct4 and Canonical Wnt Signaling Regulate the Cardiac Lineage Factor Mesp1 Through a Tcf/Lef-Oct4 Composite Element. Stem Cells, 2013, 31, 1213-1217.	1.4	30
113	Mouse myofibers lacking the SMYD1 methyltransferase are susceptible to atrophy, internalization of nuclei and myofibrillar disarray. DMM Disease Models and Mechanisms, 2016, 9, 347-359.	1.2	29
114	Mechanism of fibrotic cardiomyopathy in mice expressing truncated Rho-associated coiled-coil protein kinase 1. FASEB Journal, 2012, 26, 2105-2116.	0.2	28
115	Steroid Control of Genomic Expression in Embryonic Chick Retina. Nature: New Biology, 1972, 237, 121-125.	4.5	27
116	Long-term insulin-like growth factor-I expression in skeletal muscles attenuates the enhanced in vitro proliferation ability of the resident satellite cells in transgenic mice. Mechanisms of Ageing and Development, 2001, 122, 1303-1320.	2.2	26
117	Protein Tyrosine Phosphatase-Like A Regulates Myoblast Proliferation and Differentiation through MyoG and the Cell Cycling Signaling Pathway. Molecular and Cellular Biology, 2012, 32, 297-308.	1.1	26
118	A cell-autonomous role of Cited2 in controlling myocardial and coronary vascular development. European Heart Journal, 2013, 34, 2557-2565.	1.0	26
119	Genome-Wide Identification of MESP1 Targets Demonstrates Primary Regulation Over Mesendoderm Gene Activity. Stem Cells, 2015, 33, 3254-3265.	1.4	26
120	Identification of a novel role of ZIC3 in regulating cardiac development. Human Molecular Genetics, 2007, 16, 1649-1660.	1.4	25
121	<i>Hhex</i> and <i>Cer1</i> Mediate the Sox17 Pathway for Cardiac Mesoderm Formation in Embryonic Stem Cells. Stem Cells, 2014, 32, 1515-1526.	1.4	24
122	Mesp1 Marked Cardiac Progenitor Cells Repair Infarcted Mouse Hearts. Scientific Reports, 2016, 6, 31457.	1.6	24
123	Functional analysis of limb transcriptional enhancers in the mouse. Evolution & Development, 2014, 16, 207-223.	1.1	23
124	Cardiac-specific developmental and epigenetic functions of Jarid2 during embryonic development. Journal of Biological Chemistry, 2018, 293, 11659-11673.	1.6	23
125	Mice Harboring Gnrhr E90K, a Mutation that Causes Protein Misfolding and Hypogonadotropic Hypogonadism in Humans, Exhibit Testis Size Reduction and Ovulation Failure. Molecular Endocrinology, 2012, 26, 1847-1856.	3.7	22
126	Cardiomyocyte-specific conditional knockout of the histone chaperone HIRA in mice results in hypertrophy, sarcolemmal damage and focal replacement fibrosis. DMM Disease Models and Mechanisms, 2016, 9, 335-345.	1.2	21



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127	Conversion of human cardiac progenitor cells into cardiac pacemaker-like cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 138, 12-22.	0.9	20
128	Developmental expression of serum response factor in the rat central nervous system. <i>Developmental Brain Research</i> , 2002, 138, 81-86.	2.1	19
129	Cytoplasmic $\beta$ -actin promoter produces germ cell and preimplantation embryonic transgene expression. <i>Molecular Reproduction and Development</i> , 1993, 34, 117-126.	1.0	18
130	Transient cardiac expression of the tinman-family homeobox gene, XNkx2-10. <i>Mechanisms of Development</i> , 2000, 91, 369-373.	1.7	18
131	3D Bioprinting the Cardiac Purkinje System Using Human Adipogenic Mesenchymal Stem Cell Derived Purkinje Cells. <i>Cardiovascular Engineering and Technology</i> , 2020, 11, 587-604.	0.7	18
132	Regulation of alternative polyadenylation by Nkx2-5 and Xrn2 during mouse heart development. <i>ELife</i> , 2016, 5, .	2.8	18
133	Brief report: SRF-dependent MiR-210 silences the sonic hedgehog signaling during cardiopoiesis. <i>Stem Cells</i> , 2013, 31, 2279-2285.	1.4	16
134	A Highly Conductive 3D Cardiac Patch Fabricated Using Cardiac Myocytes Reprogrammed from Human Adipogenic Mesenchymal Stem Cells. <i>Cardiovascular Engineering and Technology</i> , 2020, 11, 205-218.	0.7	16
135	Differential detection of multiple DNA-binding complexes using dissimilar polyanion competitors. <i>Nucleic Acids Research</i> , 1992, 20, 140-140.	6.5	15
136	Targeted Expression of Cre Recombinase Provokes Placental-Specific DNA Recombination in Transgenic Mice. <i>PLoS ONE</i> , 2012, 7, e29236.	1.1	15
137	Electrical Stimulation of Artificial Heart Muscle: A Look Into the Electrophysiologic and Genetic Implications. <i>ASAIO Journal</i> , 2017, 63, 333-341.	0.9	14
138	Steroid hormone receptor fraction stimulation of RNA synthesis: A caution. <i>Biochemical and Biophysical Research Communications</i> , 1976, 69, 106-113.	1.0	13
139	EFFECT OF PROGESTERONE RECEPTORS ON TRANSCRIPTION. <i>Annals of the New York Academy of Sciences</i> , 1977, 286, 147-160.	1.8	13
140	Steroid Receptor Coactivator-2 Is a Dual Regulator of Cardiac Transcription Factor Function. <i>Journal of Biological Chemistry</i> , 2014, 289, 17721-17731.	1.6	13
141	The CSRP2BP histone acetyltransferase drives smooth muscle gene expression. <i>Nucleic Acids Research</i> , 2017, 45, 3046-3058.	6.5	13
142	YY1 Expression Is Sufficient for the Maintenance of Cardiac Progenitor Cell State. <i>Stem Cells</i> , 2017, 35, 1913-1923.	1.4	13
143	The Myogenic Regulatory Factor MRF4 Represses the Cardiac $\beta$ -Actin Promoter through a Negative-acting N-terminal Protein Domain. <i>Journal of Biological Chemistry</i> , 1996, 271, 31688-31694.	1.6	12
144	Chips Ahoy. <i>Circulation</i> , 2000, 102, 3026-3027.	1.6	12

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145	Weighing in on Heart Failure: The Role of SERCA2a SUMOylation. <i>Circulation Research</i> , 2012, 110, 198-199.	2.0	12
146	Changes in Protein Synthesis in the Morphogenesis of <i>Fundulus heteroclitus</i> . <i>Nature</i> , 1973, 245, 376-379.	13.7	11
147	Adrenergic stimuli and rotating suspension culture enhance conversion of human adipogenic mesenchymal stem cells into highly conductive cardiac progenitors. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 306-318.	1.3	11
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