

David A Sassoon

List of Publications by Year in descending order

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92
papers

9,388
citations

38742

50
h-index

43889

91
g-index

97
all docs

97
docs citations

97
times ranked

8240
citing authors

#	ARTICLE	IF	CITATIONS
1	Myogenin, a factor regulating myogenesis, has a domain homologous to MyoD. <i>Cell</i> , 1989, 56, 607-617.	28.9	1,248
2	Expression of two myogenic regulatory factors myogenin and MyoDl during mouse embryogenesis. <i>Nature</i> , 1989, 341, 303-307.	27.8	647
3	Identification and characterization of a non-satellite cell muscle resident progenitor during postnatal development. <i>Nature Cell Biology</i> , 2010, 12, 257-266.	10.3	390
4	Developmental regulation of myosin gene expression in mouse cardiac muscle.. <i>Journal of Cell Biology</i> , 1990, 111, 2427-2436.	5.2	381
5	Loss of N-myc function results in embryonic lethality and failure of the epithelial component of the embryo to develop.. <i>Genes and Development</i> , 1992, 6, 2235-2247.	5.9	328
6	Expression of the muscle regulatory factor MRF4 during somite and skeletal myofiber development. <i>Developmental Biology</i> , 1991, 147, 144-156.	2.0	274
7	The expression of myosin genes in developing skeletal muscle in the mouse embryo.. <i>Journal of Cell Biology</i> , 1990, 111, 1465-1476.	5.2	259
8	Wnt5a is required for proper epithelial-mesenchymal interactions in the uterus. <i>Development (Cambridge)</i> , 2004, 131, 2061-2072.	2.5	216
9	Expression of Hox-7.1 in myoblasts inhibits terminal differentiation and induces cell transformation. <i>Nature</i> , 1992, 360, 477-481.	27.8	215
10	Fibroadipogenic progenitors mediate the ability of HDAC inhibitors to promote regeneration in dystrophic muscles of young, but not old Mdx mice. <i>EMBO Molecular Medicine</i> , 2013, 5, 626-639.	6.9	201
11	Wnt signaling mediates reorientation of outer hair cell stereociliary bundles in the mammalian cochlea. <i>Development (Cambridge)</i> , 2003, 130, 2375-2384.	2.5	183
12	The protein encoded by a murine male germ cell-specific transcript is a putative ATP-dependent RNA helicase. <i>Cell</i> , 1989, 57, 549-559.	28.9	167
13	Pw1/Peg3 is a potential cell death mediator and cooperates with Siah1a in p53-mediated apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 2105-2110.	7.1	151
14	Differential expression patterns of Wnt genes in the murine female reproductive tract during development and the estrous cycle. <i>Mechanisms of Development</i> , 1998, 76, 91-99.	1.7	150
15	Peg3/Pw1 is an imprinted gene involved in the TNF-NF κ B signal transduction pathway. <i>Nature Genetics</i> , 1998, 18, 287-291.	21.4	148
16	Myogenic Regulatory Factors: Dissecting Their Role and Regulation during Vertebrate Embryogenesis. <i>Developmental Biology</i> , 1993, 156, 11-23.	2.0	146
17	Fetal exposure to DES results in de-regulation of Wnt7a during uterine morphogenesis. <i>Nature Genetics</i> , 1998, 20, 228-230.	21.4	146
18	Msx2 Is a Transcriptional Regulator in the BMP4-Mediated Programmed Cell Death Pathway. <i>Developmental Biology</i> , 1997, 186, 127-138.	2.0	143

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19	MSX1 inhibits MyoD expression in fibroblast \bar{A} – 10T $\frac{1}{2}$ cell hybrids. <i>Cell</i> , 1995, 82, 611-620.	28.9	141
20	Defining skeletal muscle resident progenitors and their cell fate potentials. <i>Development (Cambridge)</i> , 2013, 140, 2879-2891.	2.5	139
21	Pw1, a Novel Zinc Finger Gene Implicated in the Myogenic and Neuronal Lineages. <i>Developmental Biology</i> , 1996, 177, 383-396.	2.0	135
22	Siah ubiquitin ligase is structurally related to TRAF and modulates TNF- $\hat{\pm}$ signaling. <i>Nature Structural Biology</i> , 2002, 9, 68-75.	9.7	129
23	A role for Wnt/ $\hat{\Gamma}^2$ -catenin signaling in lens epithelial differentiation. <i>Developmental Biology</i> , 2003, 259, 48-61.	2.0	125
24	PW1/Peg3 expression regulates key properties that determine mesoangioblast stem cell competence. <i>Nature Communications</i> , 2015, 6, 6364.	12.8	120
25	[24] Detection of messenger RNA by in Situ hybridization. <i>Methods in Enzymology</i> , 1993, 225, 384-404.	1.0	118
26	Identification of Ankrd2, a Novel Skeletal Muscle Gene Coding for a Stretch-Responsive Ankyrin-Repeat Protein. <i>Genomics</i> , 2000, 66, 229-241.	2.9	115
27	Tumor necrosis factor- $\hat{\pm}$ gene transfer induces cachexia and inhibits muscle regeneration. <i>Genesis</i> , 2005, 43, 120-128.	1.6	113
28	Stress-induced decrease in TRAF2 stability is mediated by Siah2. <i>EMBO Journal</i> , 2002, 21, 5756-5765.	7.8	109
29	The sexually dimorphic larynx of <i>Xenopus laevis</i> : Development and androgen regulation. <i>American Journal of Anatomy</i> , 1986, 177, 457-472.	1.0	108
30	Stem cells in the hood: the skeletal muscle niche. <i>Trends in Molecular Medicine</i> , 2012, 18, 599-606.	6.7	106
31	An Unbiased Assessment of the Role of Imprinted Genes in an Intergenerational Model of Developmental Programming. <i>PLoS Genetics</i> , 2012, 8, e1002605.	3.5	105
32	Muscle cachexia is regulated by a p53-PW1/Peg3-dependent pathway. <i>Genes and Development</i> , 2006, 20, 3440-3452.	5.9	104
33	Ectoderm-Mesenchyme and Mesenchyme-Mesenchyme Interactions Regulate Msx-1 Expression and Cellular Differentiation in the Murine Limb Bud. <i>Developmental Biology</i> , 1995, 168, 374-382.	2.0	100
34	FAP-1 Association with Fas (Apo-1) Inhibits Fas Expression on the Cell Surface. <i>Molecular and Cellular Biology</i> , 2003, 23, 3623-3635.	2.3	100
35	Odd skipped-related 1 identifies a population of embryonic fibro-adipogenic progenitors regulating myogenesis during limb development. <i>Nature Communications</i> , 2017, 8, 1218.	12.8	95
36	Molecular aspects of regeneration in developing vertebrate limbs. <i>Developmental Biology</i> , 1992, 152, 37-49.	2.0	94

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37	TNF α inhibits skeletal myogenesis through a PW1-dependent pathway by recruitment of caspase pathways. <i>EMBO Journal</i> , 2002, 21, 631-642.	7.8	93
38	N ϵ -WASP is required for Amphiphysin ϵ /BIN ϵ dependent nuclear positioning and triad organization in skeletal muscle and is involved in the pathophysiology of centronuclear myopathy. <i>EMBO Molecular Medicine</i> , 2014, 6, 1455-1475.	6.9	87
39	CDO, A Robo-related Cell Surface Protein that Mediates Myogenic Differentiation. <i>Journal of Cell Biology</i> , 1998, 143, 403-413.	5.2	86
40	<i>PW1</i> gene/paternally expressed gene 3 (PW1/Peg3) identifies multiple adult stem and progenitor cell populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11470-11475.	7.1	84
41	A transgene target for positional regulators marks early rostrocaudal specification of myogenic lineages. <i>Cell</i> , 1992, 69, 79-93.	28.9	79
42	The Receptor Tyrosine Kinase Regulator Sprouty1 Is a Target of the Tumor Suppressor WT1 and Important for Kidney Development. <i>Journal of Biological Chemistry</i> , 2003, 278, 41420-41430.	3.4	72
43	Androgen-induced myogenesis and chondrogenesis in the larynx of <i>Xenopus laevis</i> . <i>Developmental Biology</i> , 1986, 113, 135-140.	2.0	71
44	Tumor Necrosis Factor- β Inhibition of Skeletal Muscle Regeneration Is Mediated by a Caspase-Dependent Stem Cell Response. <i>Stem Cells</i> , 2008, 26, 997-1008.	3.2	65
45	Odd skipped-related 1 (Osr1) identifies muscle-interstitial fibro-adipogenic progenitors (FAPs) activated by acute injury. <i>Stem Cell Research</i> , 2018, 32, 8-16.	0.7	64
46	Non-canonical Wnt signaling regulates cell polarity in female reproductive tract development via vangogh-like 2. <i>Development (Cambridge)</i> , 2009, 136, 1559-1570.	2.5	63
47	PCBs Exert an Estrogenic Effect through Repression of the Wnt7a Signaling Pathway in the Female Reproductive Tract. <i>Environmental Health Perspectives</i> , 2006, 114, 898-904.	6.0	59
48	The emergence of molecular gynecology: homeobox and Wnt genes in the female reproductive tract. <i>BioEssays</i> , 2000, 22, 902-910.	2.5	57
49	<i>Id</i> expression during mouse development: A role in morphogenesis. <i>Developmental Dynamics</i> , 1992, 194, 222-230.	1.8	56
50	Multiple sites of HOX-7 expression during mouse embryogenesis: Comparison with retinoic acid receptor mRNA localization. <i>Molecular Reproduction and Development</i> , 1992, 32, 303-314.	2.0	55
51	Wnt7a Is a Suppressor of Cell Death in the Female Reproductive Tract and Is Required for Postnatal and Estrogen-Mediated Growth1. <i>Biology of Reproduction</i> , 2004, 71, 444-454.	2.7	54
52	Development and hormone regulation of androgen receptor levels in the sexually dimorphic larynx of <i>Xenopus laevis</i> . <i>Developmental Biology</i> , 1989, 131, 111-118.	2.0	51
53	Wnt genes and endocrine disruption of the female reproductive tract: a genetic approach. <i>Molecular and Cellular Endocrinology</i> , 1999, 158, 1-5.	3.2	49
54	Induction of Homologue of Slimb Ubiquitin Ligase Receptor by Mitogen Signaling. <i>Journal of Biological Chemistry</i> , 2002, 277, 36624-36630.	3.4	48

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55	Developmental expression pattern of thecdco gene. <i>Developmental Dynamics</i> , 2000, 219, 40-49.	1.8	46
56	Identification of a Novel Stretch-Responsive Skeletal Muscle Gene (<i>Smpx</i>). <i>Genomics</i> , 2001, 72, 260-271.	2.9	44
57	Expression of theboc gene during murine embryogenesis. <i>Developmental Dynamics</i> , 2002, 223, 379-388.	1.8	43
58	Restricted expression of type-II TGF β 2 receptor in murine embryonic development suggests a central role in tissue modeling and CNS patterning. <i>Mechanisms of Development</i> , 1995, 52, 275-289.	1.7	42
59	Modulation of Caspase Activity Regulates Skeletal Muscle Regeneration and Function in Response to Vasopressin and Tumor Necrosis Factor. <i>PLoS ONE</i> , 2009, 4, e5570.	2.5	39
60	A developmental study of the abnormal expression of β -cardiac and β -skeletal actins in the striated muscle of a mutant mouse. <i>Developmental Biology</i> , 1989, 134, 236-245.	2.0	36
61	Embryonic deregulation of muscle stress signaling pathways leads to altered postnatal stem cell behavior and a failure in postnatal muscle growth. <i>Developmental Biology</i> , 2005, 281, 171-183.	2.0	36
62	Loss of a single allele for Ku80 leads to progenitor dysfunction and accelerated aging in skeletal muscle. <i>EMBO Molecular Medicine</i> , 2012, 4, 910-923.	6.9	35
63	Resident PW1 ⁺ Progenitor Cells Participate in Vascular Remodeling During Pulmonary Arterial Hypertension. <i>Circulation Research</i> , 2016, 118, 822-833.	4.5	34
64	Msh homeobox genes regulate cadherin-mediated cell adhesion and cell sorting. , 1998, 70, 22-28.		28
65	A Role for Engrailed-2 in Determination of Skeletal Muscle Physiologic Properties. <i>Developmental Biology</i> , 2001, 231, 175-189.	2.0	28
66	The extraocular muscle stem cell niche is resistant to ageing and disease. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 328.	3.4	28
67	Anti-integrin α v therapy improves cardiac fibrosis after myocardial infarction by blunting cardiac PW1+ stromal cells. <i>Scientific Reports</i> , 2020, 10, 11404.	3.3	28
68	Fibrogenic Potential of PW1/Peg3 Expressing Cardiac Stem Cells. <i>Journal of the American College of Cardiology</i> , 2017, 70, 728-741.	2.8	27
69	Skeletal Muscle Phenotypically Converts and Selectively Inhibits Metastatic Cells in Mice. <i>PLoS ONE</i> , 2010, 5, e9299.	2.5	26
70	Peg3/PW1 Is a Marker of a Subset of Vessel Associated Endothelial Progenitors. <i>Stem Cells</i> , 2017, 35, 1328-1340.	3.2	22
71	A Novel Mutant Allele of Pw1/Peg3 Does Not Affect Maternal Behavior or Nursing Behavior. <i>PLoS Genetics</i> , 2016, 12, e1006053.	3.5	22
72	Diethylstilbestrol exposure in utero: A paradigm for mechanisms leading to adult disease. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2005, 73, 133-135.	1.6	21

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73	In-Situ Hybridization of Tropoelastin mRNA during the Development of the Multilayered Neonatal Rat Aortic Smooth Muscle Cell Culture. <i>Matrix Biology</i> , 1992, 12, 321-332.	1.7	19
74	Porcine Skeletal Muscle-Derived Multipotent PW1 ^{pos} /Pax7 ^{neg} Interstitial Cells: Isolation, Characterization, and Long-Term Culture. <i>Stem Cells Translational Medicine</i> , 2014, 3, 702-712.	3.3	17
75	The imprinted gene Pw1/Peg3 regulates skeletal muscle growth, satellite cell metabolic state, and self-renewal. <i>Scientific Reports</i> , 2018, 8, 14649.	3.3	17
76	Cellular and cis-regulation of En-2 expression in the mandibular arch. <i>Mechanisms of Development</i> , 2002, 111, 125-136.	1.7	16
77	Expression Analysis of the Stem Cell Marker Pw1/Peg3 Reveals a CD34 Negative Progenitor Population in the Hair Follicle. <i>Stem Cells</i> , 2017, 35, 1015-1027.	3.2	13
78	Myogenesis in the Mouse. <i>Novartis Foundation Symposium</i> , 1992, 165, 111-131.	1.1	12
79	Effects of p21 deletion in mouse models of premature aging. <i>Cell Cycle</i> , 2009, 8, 2002-2004.	2.6	11
80	Inhibition of the Activin Receptor Type-2B Pathway Restores Regenerative Capacity in Satellite Cell-Depleted Skeletal Muscle. <i>Frontiers in Physiology</i> , 2018, 9, 515.	2.8	11
81	Does cardiac development provide heart research with novel therapeutic approaches?. <i>F1000Research</i> , 2018, 7, 1756.	1.6	7
82	Phosphotyrosine phosphatase inhibitor bisperoxovanadium endows myogenic cells with enhanced muscle stem cell functions via epigenetic modulation of Sca1 and Pw1 promoters. <i>FASEB Journal</i> , 2016, 30, 1404-1415.	0.5	6
83	The zinc finger transcription factor PW1/PEG3 restrains murine beta cell cycling. <i>Diabetologia</i> , 2016, 59, 1474-1479.	6.3	5
84	Platelet-Derived Growth Factor Receptor Type 1 Activation Drives Pulmonary Vascular Remodeling Via Progenitor Cell Proliferation and Induces Pulmonary Hypertension. <i>Journal of the American Heart Association</i> , 2022, 11, e023021.	3.7	5
85	Fatty acid metabolism—the first trigger for cachexia?. <i>Nature Medicine</i> , 2016, 22, 584-585.	30.7	4
86	Transplantation of Allogeneic PW1 ^{pos} /Pax7 ^{neg} Interstitial Cells Enhance Endogenous Repair of Injured Porcine Skeletal Muscle. <i>JACC Basic To Translational Science</i> , 2017, 2, 717-736.	4.1	4
87	FAPs are sensors for skeletal myofibre atrophy. <i>Nature Cell Biology</i> , 2018, 20, 864-865.	10.3	4
88	Paternally expressed gene 3 (Pw1/Peg3) promotes sexual dimorphism in metabolism and behavior. <i>PLoS Genetics</i> , 2022, 18, e1010003.	3.5	3
89	Hypoxia promotes a perinatal-like progenitor state in the adult murine epicardium. <i>Scientific Reports</i> , 2022, 12, .	3.3	3
90	Hox Genes: A Role for Tissue Development. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1992, 7, 1-2.	2.9	2

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91	A parable about environment and our daughters's health. Trends in Endocrinology and Metabolism, 2010, 21, 335-336.	7.1	1
92	Stem Cell Biology: Structure and Function " The Adult Stem Cell Niche: Multiple Cellular Players in Tissue Homeostasis and Regeneration. , 2022, , .		0