Sarah J Childs

List of Publications by Year
in descending order

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53 papers	4,781 citations	172207 29 h-index	189595 50 g-index
60 all docs	60 docs citations	60 times ranked	6237 citing authors

#	Article	IF	Citations
1	Hnrnpul1 controls transcription, splicing, and modulates skeletal and limb development in vivo. G3: Genes, Genomes, Genetics, 2022, 12, .	0.8	3
2	Semaphorin 3fa Controls Ocular Vascularization From the Embryo Through to the Adult. , 2021, 62, 21.		4
3	Endothelial Semaphorin 3fb regulates Vegf pathway-mediated angiogenic sprouting. PLoS Genetics, 2021, 17, e1009769.	1.5	5
4	Development of vascular regulation in the zebrafish embryo. Development (Cambridge), 2020, 147, .	1.2	12
5	foxc1 is required for embryonic head vascular smooth muscle differentiation in zebrafish. Developmental Biology, 2019, 453, 34-47.	0.9	41
6	MicroRNA26 attenuates vascular smooth muscle maturation via endothelial BMP signalling. PLoS Genetics, 2019, 15, e1008163.	1.5	8
7	Mutations in ILK, encoding integrin-linked kinase, are associated with arrhythmogenic cardiomyopathy. Translational Research, 2019, 208, 15-29.	2.2	33
8	Pericyte Biology in Zebrafish. Advances in Experimental Medicine and Biology, 2018, 1109, 33-51.	0.8	15
9	Nanoparticle localization in blood vessels: dependence on fluid shear stress, flow disturbances, and flow-induced changes in endothelial physiology. Nanoscale, 2018, 10, 15249-15261.	2.8	50
10	Quantum dot interactions and flow effects in angiogenic zebrafish (Danio rerio) vessels and human endothelial cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 999-1010.	1.7	23
11	Restrictions on the Importation of Zebrafish into Canada Associated with Spring Viremia of Carp Virus. Zebrafish, 2016, 13, S-153-S-163.	0.5	13
12	Identification of additional risk loci for stroke and small vessel disease: a meta-analysis of genome-wide association studies. Lancet Neurology, The, 2016, 15, 695-707.	4.9	130
13	The LIM-homeodomain transcription factor Islet2a promotes angioblast migration. Developmental Biology, 2016, 414, 181-192.	0.9	15
14	Patterning mechanisms of the sub-intestinal venous plexus in zebrafish. Developmental Biology, 2016, 409, 114-128.	0.9	65
15	Comparative analysis of genes regulated by Dzip1/iguana and hedgehog in zebrafish. Developmental Dynamics, 2015, 244, 211-223.	0.8	15
16	Hematopoietic Stem Cell Arrival Triggers Dynamic Remodeling of the Perivascular Niche. Cell, 2015, 160, 241-252.	13.5	291
17	Zac1 Regulates the Differentiation and Migration of Neocortical Neurons via Pac1. Journal of Neuroscience, 2015, 35, 13430-13447.	1.7	34
18	Sema6a and Plxna2 mediate spatially regulated repulsion within the developing eye to promote eye vesicle cohesion. Development (Cambridge), 2014, 141, 2473-2482.	1.2	21

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19	Testing Nanoparticles for Angiogenesis-Related Disease: Charting the Fastest Route to the Clinic. Journal of Biomedical Nanotechnology, 2014, 10, 1641-1676.	0.5	5
20	Mutation of FOXC1 and PITX2 induces cerebral small-vessel disease. Journal of Clinical Investigation, 2014, 124, 4877-4881.	3.9	105
21	An Î±-Smooth Muscle Actin (acta2/Î±sma) Zebrafish Transgenic Line Marking Vascular Mural Cells and Visceral Smooth Muscle Cells. PLoS ONE, 2014, 9, e90590.	1.1	79
22	Pharmacokinetics: Nanoparticle Accumulation in Angiogenic Tissues: Towards Predictable Pharmacokinetics (Small 18/2013). Small, 2013, 9, 3006-3006.	5.2	0
23	Nanoparticle Accumulation in Angiogenic Tissues: Towards Predictable Pharmacokinetics. Small, 2013, 9, 3118-3127.	5.2	26
24	Neuronal expression of class 6 semaphorins in zebrafish. Gene Expression Patterns, 2012, 12, 117-122.	0.3	13
25	Î²Pix plays a dual role in cerebral vascular stability and angiogenesis, and interacts with integrin Î±vÎ²8. Developmental Biology, 2012, 363, 95-105.	0.9	30
26	The smooth muscle microRNA miR-145 regulates gut epithelial development via a paracrine mechanism. Developmental Biology, 2012, 367, 178-186.	0.9	23
27	Proteome of the Caenorhabditis elegans Oocyte. Journal of Proteome Research, 2011, 10, 2300-2305.	1.8	15
28	Phylogenetic Analysis of the MS4A and TMEM176 Gene Families. PLoS ONE, 2010, 5, e9369.	1.1	57
29	Hedgehog signaling via angiopoietin1 is required for developmental vascular stability. Mechanisms of Development, 2010, 127, 159-168.	1.7	37
30	Syk and Zap-70 function redundantly to promote angioblast migration. Developmental Biology, 2010, 340, 22-29.	0.9	23
31	Developmental physiology of the zebrafish cardiovascular system. Fish Physiology, 2010, , 249-287.	0.2	4
32	miR-145 directs intestinal maturation in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17793-17798.	3.3	64
33	Antagonistic interactions among Plexins regulate the timing of intersegmental vessel formation. Developmental Biology, 2009, 331, 199-209.	0.9	38
34	A betaPix Pak2a signaling pathway regulates cerebral vascular stability in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13990-13995.	3.3	107
35	Spatiotemporal expression of smooth muscle markers in developing zebrafish gut. Developmental Dynamics, 2007, 236, 1623-1632.	0.8	63
36	Expression of multiple class three semaphorins in the retina and along the path of zebrafish retinal axons. Developmental Dynamics, 2007, 236, 2918-2924.	0.8	22

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37	MAPping Out Arteries and Veins. Science's STKE: Signal Transduction Knowledge Environment, 2006, 2006, pe39-pe39.	4.1	46
38	Zebrafish collapsin response mediator protein (CRMP)-2 is expressed in developing neurons. Gene Expression Patterns, 2006, 6, 193-200.	0.3	10
39	Semaphorin-Plexin Signaling Guides Patterning of the Developing Vasculature. Developmental Cell, 2004, 7, 117-123.	3.1	350
40	Disruption ofacvrl1increases endothelial cell number in zebrafish cranial vessels. Development (Cambridge), 2002, 129, 3009-3019.	1.2	325
41	Theheartstringsmutation in zebrafish causes heart/fin Tbx5 deficiency syndrome. Development (Cambridge), 2002, 129, 4635-4645.	1.2	237
42	Patterning of angiogenesis in the zebrafish embryo. Development (Cambridge), 2002, 129, 973-982.	1.2	270
43	Patterning of angiogenesis in the zebrafish embryo. Development (Cambridge), 2002, 129, 973-82.	1.2	98
44	Disruption of acvrl1 increases endothelial cell number in zebrafish cranial vessels. Development (Cambridge), 2002, 129, 3009-19.	1.2	152
45	Genetic Steps to Organ Laterality in Zebrafish. Comparative and Functional Genomics, 2001, 2, 60-68.	2.0	35
46	Gridlock signalling pathway fashions the first embryonic artery. Nature, 2001, 414, 216-220.	13.7	502
47	Zebrafish dracula encodes ferrochelatase and its mutation provides a model for erythropoietic protoporphyria. Current Biology, 2000, 10, 1001-1004.	1.8	95
48	Characterization of ABCB9, an ATP Binding Cassette Protein Associated with Lysosomes. Journal of Biological Chemistry, 2000, 275, 23287-23294.	1.6	91
49	M-ABC2, a new human mitochondrial ATP-binding cassette membrane protein. FEBS Letters, 2000, 478, 89-94.	1.3	39
50	A gene encoding a liver-specific ABC transporter is mutated in progressive familial intrahepatic cholestasis. Nature Genetics, 1998, 20, 233-238.	9.4	968
51	Duplication and evolution of the P-glycoprotein genes in pig. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1996, 1307, 205-212.	2.4	19
52	P-glycoprotein genes in the winter flounder, Pleuronectes americanus: Isolation of two types of genomic clones carrying 3â€² terminal exons. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1992, 1171, 65-72.	2.4	50
53	Managing the waste of over processing in healthcare using accountability through utilization reviews and information technologies. Quality Management Journal, 0, , 1-22.	0.9	1