Judith S Eisen

List of Publications by Year
in descending order

57 papers	5,350 citations	117453 34 h-index	143772 57 g-index
304 all docs	304 docs citations	304 times ranked	5810 citing authors

#	Article	IF	Citations
1	Headwaters of the zebrafish â€" emergence of a new model vertebrate. Nature Reviews Genetics, 2002, 3, 717-724.	7.7	638
2	Controlling morpholino experiments: don't stop making antisense. Development (Cambridge), 2008, 135, 1735-1743.	1.2	523
3	Pathway selection by growth cones of identified motoneurones in live zebra fish embryos. Nature, 1986, 320, 269-271.	13.7	324
4	Guidelines for morpholino use in zebrafish. PLoS Genetics, 2017, 13, e1007000.	1.5	255
5	Zebrafishsmoothenedfunctions in ventral neural tube specification and axon tract formation. Development (Cambridge), 2001, 128, 3497-3509.	1.2	243
6	Zebrafish Make a Big Splash. Cell, 1996, 87, 969-977.	13.5	196
7	Segregation and early dispersal of neural crest cells in the embryonic zebrafish. Developmental Dynamics, 1992, 195, 29-42.	0.8	194
8	From cells to circuits: development of the zebrafish spinal cord. Progress in Neurobiology, 2003, 69, 419-449.	2.8	187
9	Thyroid hormoneâ€"dependent adult pigment cell lineage and pattern in zebrafish. Science, 2014, 345, 1358-1361.	6.0	187
10	Host Gut Motility Promotes Competitive Exclusion within a Model Intestinal Microbiota. PLoS Biology, 2016, 14, e1002517.	2.6	164
11	Delta/Notch signaling promotes formation of zebrafish neural crest by repressing Neurogenin 1 function. Development (Cambridge), 2002, 129, 2639-2648.	1.2	144
12	The enteric nervous system promotes intestinal health by constraining microbiota composition. PLoS Biology, 2017, 15, e2000689.	2.6	126
13	Notch in the pathway: The roles of Notch signaling in neural crest development. Seminars in Cell and Developmental Biology, 2005, 16, 663-672.	2.3	121
14	Islet1 and Islet2 have equivalent abilities to promote motoneuron formation and to specify motoneuron subtype identity. Development (Cambridge), 2006, 133, 2137-2147.	1.2	115
15	The growth cones of identified motoneurons in embryonic zebrafish select appropriate pathways in the absence of specific cellular interactions. Neuron, 1989, 2, 1097-1104.	3.8	114
16	Screen for mutations affecting development of zebrafish neural crest. Genesis, 1996, 18, 11-17.	3.1	114
17	Zebrafish and fly Nkx6 proteins have similar CNS expression patterns and regulate motoneuron formation. Development (Cambridge), 2004, 131, 5221-5232.	1.2	112
18	Delta-Notch signaling and lateral inhibition in zebrafish spinal cord development. BMC Developmental Biology, 2001, 1, 13.	2.1	109

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19	Pathfinding by Identified Zebrafish Motoneurons in the Absence of Muscle Pioneers. Journal of Neuroscience, 1997, 17, 7796-7804.	1.7	101
20	Hedgehog signaling is required for primary motoneuron induction in zebrafish. Development (Cambridge), 2001, 128, 3485-3495.	1.2	92
21	Slow degeneration of zebrafish Rohon-Beard neurons during programmed cell death. Developmental Dynamics, 2004, 229, 30-41.	0.8	88
22	Temporal Separation in the Specification of Primary and Secondary Motoneurons in Zebrafish. Developmental Biology, 1997, 187, 171-182.	0.9	82
23	Zebrafish deadly seven Functions in Neurogenesis. Developmental Biology, 2001, 237, 306-323.	0.9	80
24	Forebrain Control of Behaviorally Driven Social Orienting in Zebrafish. Current Biology, 2018, 28, 2445-2451.e3.	1.8	79
25	The spt-1 mutation alters segmental arrangement and axonal development of identified neurons in the spinal cord of the embryonic zebrafish. Neuron, 1991, 6, 767-776.	3.8	77
26	Expression ofc-ret in the zebrafish embryo: Potential roles in motoneuronal development. Journal of Neurobiology, 1997, 33, 749-768.	3.7	75
27	Neuregulin-mediated ErbB3 signaling is required for formation of zebrafish dorsal root ganglion neurons. Development (Cambridge), 2008, 135, 2615-2625.	1.2	74
28	Genetic screen for mutations affecting development and function of the enteric nervous system. Developmental Dynamics, 2007, 236, 118-127.	0.8	70
29	Microbiota promote secretory cell determination in the intestinal epithelium by modulating host Notch signaling. Development (Cambridge), 2018, 145, .	1.2	64
30	Development of the Zebrafish Enteric Nervous System. Methods in Cell Biology, 2011, 101, 143-160.	0.5	63
31	Evolution of Endothelin signaling and diversification of adult pigment pattern in Danio fishes. PLoS Genetics, 2018, 14, e1007538.	1.5	59
32	Zebrafish Mnx proteins specify one motoneuron subtype and suppress acquisition of interneuron characteristics. Neural Development, 2012, 7, 35.	1.1	54
33	Nkx6 proteins specify one zebrafish primary motoneuron subtype by regulating late islet1 expression. Development (Cambridge), 2007, 134, 1671-1677.	1.2	43
34	Chapter 4 Early Pressure Screens. Methods in Cell Biology, 1998, , 71-86.	0.5	41
35	Molecular fingerprinting delineates progenitor populations in the developing zebrafish enteric nervous system. Developmental Dynamics, 2016, 245, 1081-1096.	0.8	29
36	Motoneuronal development in the embryonic zebrafish. Development (Cambridge), 1991, 113, 141-147.	1.2	29

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37	The Met receptor tyrosine kinase prevents zebrafish primary motoneurons from expressing an incorrect neurotransmitter. Neural Development, 2008, 3, 18.	1.1	27
38	Touchtone promotes survival of embryonic melanophores in zebrafish. Mechanisms of Development, 2004, 121, 1365-1376.	1.7	26
39	Transcriptomes of post-mitotic neurons identify the usage of alternative pathways during adult and embryonic neuronal differentiation. BMC Genomics, 2015, 16, 1100.	1.2	21
40	Genetic and molecular analyses of motoneuron development. Current Opinion in Neurobiology, 1998, 8, 697-704.	2.0	19
41	Epigenetic factors Dnmt1 and Uhrf1 coordinate intestinal development. Developmental Biology, 2019, 455, 473-484.	0.9	19
42	A MultiSite Gateway Toolkit for Rapid Cloning of Vertebrate Expression Constructs with Diverse Research Applications. PLoS ONE, 2016, 11, e0159277.	1.1	16
43	Pathway selection by ectopic motoneurons in embryonic zebrafish. Neuron, 1992, 9, 105-112.	3.8	15
44	DeltaA mRNA and protein distribution in the zebrafish nervous system. Developmental Dynamics, 2009, 238, 3226-3236.	0.8	15
45	Lhx3 and Lhx4 suppress Kolmerâ€“Agduhr interneuron characteristics within zebrafish axial motoneurons. Development (Cambridge), 2014, 141, 3900-3909.	1.2	15
46	Husbandry and Health Program Survey Synopsis. Zebrafish, 2016, 13, S-5-S-7.	0.5	14
47	Egr1 Is Necessary for Forebrain Dopaminergic Signaling during Social Behavior. ENeuro, 2022, 9, ENEURO.0035-22.2022.	0.9	13
48	Characterization of Enteric Neurons in Wild-Type and Mutant Zebrafish Using Semi-Automated Cell Counting and Co-Expression Analysis. Zebrafish, 2013, 10, 147-153.	0.5	11
49	Enteric nervous system modulation of luminal pH modifies the microbial environment to promote intestinal health. PLoS Pathogens, 2022, 18, e1009989.	2.1	11
50	Somatosensory mechanisms in zebrafish lacking dorsal root ganglia. Journal of Anatomy, 2011, 218, 271-276.	0.9	10
51	Late onset of Synaptotagmin 2a expression at synapses relevant to social behavior. Journal of Comparative Neurology, 2021, 529, 2176-2188.	0.9	8
52	Netrin Signaling Breaks the Equivalence between Two Identified Zebrafish Motoneurons Revealing a New Role of Intermediate Targets. PLoS ONE, 2011, 6, e25841.	1.1	7
53	Neuregulin-mediated ErbB3 signaling is required for formation of zebrafish dorsal root ganglion neurons. Development (Cambridge), 2008, 135, 2993-2993.	1.2	6
54	The Role of inab in Axon Morphology of an Identified Zebrafish Motoneuron. PLoS ONE, 2014, 9, e88631.	1.1	6

#	Article	IF	Citations
55	Perspective. Developmental Dynamics, 2003, 228, 299-300.	0.8	2
56	Universal Healthcare for Zebrafish. Zebrafish, 2016, 13, S-1-S-4.	0.5	2
57	Screen for mutations affecting development of zebrafish neural crest. Genesis, 1996, 18, 11-17.	3.1	2