

# Judith S Eisen

## List of Publications by Year in descending order

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57  
papers

5,350  
citations

117625

34  
h-index

144013

57  
g-index

304  
all docs

304  
docs citations

304  
times ranked

5810  
citing authors

#	ARTICLE	IF	CITATIONS
1	Headwaters of the zebrafish " emergence of a new model vertebrate. <i>Nature Reviews Genetics</i> , 2002, 3, 717-724.	16.3	638
2	Controlling morpholino experiments: don't stop making antisense. <i>Development (Cambridge)</i> , 2008, 135, 1735-1743.	2.5	523
3	Pathway selection by growth cones of identified motoneurons in live zebra fish embryos. <i>Nature</i> , 1986, 320, 269-271.	27.8	324
4	Guidelines for morpholino use in zebrafish. <i>PLoS Genetics</i> , 2017, 13, e1007000.	3.5	255
5	Zebrafish <i>smoothed</i> functions in ventral neural tube specification and axon tract formation. <i>Development (Cambridge)</i> , 2001, 128, 3497-3509.	2.5	243
6	Zebrafish Make a Big Splash. <i>Cell</i> , 1996, 87, 969-977.	28.9	196
7	Segregation and early dispersal of neural crest cells in the embryonic zebrafish. <i>Developmental Dynamics</i> , 1992, 195, 29-42.	1.8	194
8	From cells to circuits: development of the zebrafish spinal cord. <i>Progress in Neurobiology</i> , 2003, 69, 419-449.	5.7	187
9	Thyroid hormone-dependent adult pigment cell lineage and pattern in zebrafish. <i>Science</i> , 2014, 345, 1358-1361.	12.6	187
10	Host Gut Motility Promotes Competitive Exclusion within a Model Intestinal Microbiota. <i>PLoS Biology</i> , 2016, 14, e1002517.	5.6	164
11	Delta/Notch signaling promotes formation of zebrafish neural crest by repressing Neurogenin 1 function. <i>Development (Cambridge)</i> , 2002, 129, 2639-2648.	2.5	144
12	The enteric nervous system promotes intestinal health by constraining microbiota composition. <i>PLoS Biology</i> , 2017, 15, e2000689.	5.6	126
13	Notch in the pathway: The roles of Notch signaling in neural crest development. <i>Seminars in Cell and Developmental Biology</i> , 2005, 16, 663-672.	5.0	121
14	Islet1 and Islet2 have equivalent abilities to promote motoneuron formation and to specify motoneuron subtype identity. <i>Development (Cambridge)</i> , 2006, 133, 2137-2147.	2.5	115
15	The growth cones of identified motoneurons in embryonic zebrafish select appropriate pathways in the absence of specific cellular interactions. <i>Neuron</i> , 1989, 2, 1097-1104.	8.1	114
16	Screen for mutations affecting development of zebrafish neural crest. <i>Genesis</i> , 1996, 18, 11-17.	2.1	114
17	Zebrafish and fly Nkx6 proteins have similar CNS expression patterns and regulate motoneuron formation. <i>Development (Cambridge)</i> , 2004, 131, 5221-5232.	2.5	112
18	Delta-Notch signaling and lateral inhibition in zebrafish spinal cord development. <i>BMC Developmental Biology</i> , 2001, 1, 13.	2.1	109

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19	Pathfinding by Identified Zebrafish Motoneurons in the Absence of Muscle Pioneers. <i>Journal of Neuroscience</i> , 1997, 17, 7796-7804.	3.6	101
20	Hedgehog signaling is required for primary motoneuron induction in zebrafish. <i>Development (Cambridge)</i> , 2001, 128, 3485-3495.	2.5	92
21	Slow degeneration of zebrafish Rohon-Beard neurons during programmed cell death. <i>Developmental Dynamics</i> , 2004, 229, 30-41.	1.8	88
22	Temporal Separation in the Specification of Primary and Secondary Motoneurons in Zebrafish. <i>Developmental Biology</i> , 1997, 187, 171-182.	2.0	82
23	Zebrafish deadly seven Functions in Neurogenesis. <i>Developmental Biology</i> , 2001, 237, 306-323.	2.0	80
24	Forebrain Control of Behaviorally Driven Social Orienting in Zebrafish. <i>Current Biology</i> , 2018, 28, 2445-2451.e3.	3.9	79
25	The spt-1 mutation alters segmental arrangement and axonal development of identified neurons in the spinal cord of the embryonic zebrafish. <i>Neuron</i> , 1991, 6, 767-776.	8.1	77
26	Expression of <i>ofc-ret</i> in the zebrafish embryo: Potential roles in motoneuronal development. <i>Journal of Neurobiology</i> , 1997, 33, 749-768.	3.6	75
27	Neuregulin-mediated ErbB3 signaling is required for formation of zebrafish dorsal root ganglion neurons. <i>Development (Cambridge)</i> , 2008, 135, 2615-2625.	2.5	74
28	Genetic screen for mutations affecting development and function of the enteric nervous system. <i>Developmental Dynamics</i> , 2007, 236, 118-127.	1.8	70
29	Microbiota promote secretory cell determination in the intestinal epithelium by modulating host Notch signaling. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	64
30	Development of the Zebrafish Enteric Nervous System. <i>Methods in Cell Biology</i> , 2011, 101, 143-160.	1.1	63
31	Evolution of Endothelin signaling and diversification of adult pigment pattern in Danio fishes. <i>PLoS Genetics</i> , 2018, 14, e1007538.	3.5	59
32	Zebrafish <i>Mnx</i> proteins specify one motoneuron subtype and suppress acquisition of interneuron characteristics. <i>Neural Development</i> , 2012, 7, 35.	2.4	54
33	<i>Nlx6</i> proteins specify one zebrafish primary motoneuron subtype by regulating late <i>islet1</i> expression. <i>Development (Cambridge)</i> , 2007, 134, 1671-1677.	2.5	43
34	Chapter 4 Early Pressure Screens. <i>Methods in Cell Biology</i> , 1998, , 71-86.	1.1	41
35	Molecular fingerprinting delineates progenitor populations in the developing zebrafish enteric nervous system. <i>Developmental Dynamics</i> , 2016, 245, 1081-1096.	1.8	29
36	Motoneuronal development in the embryonic zebrafish. <i>Development (Cambridge)</i> , 1991, 113, 141-147.	2.5	29

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37	The Met receptor tyrosine kinase prevents zebrafish primary motoneurons from expressing an incorrect neurotransmitter. <i>Neural Development</i> , 2008, 3, 18.	2.4	27
38	Touchtone promotes survival of embryonic melanophores in zebrafish. <i>Mechanisms of Development</i> , 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. <i>BMC Genomics</i> , 2015, 16, 1100.	2.8	21
40	Genetic and molecular analyses of motoneuron development. <i>Current Opinion in Neurobiology</i> , 1998, 8, 697-704.	4.2	19
41	Epigenetic factors Dnmt1 and Uhrf1 coordinate intestinal development. <i>Developmental Biology</i> , 2019, 455, 473-484.	2.0	19
42	A MultiSite Gateway Toolkit for Rapid Cloning of Vertebrate Expression Constructs with Diverse Research Applications. <i>PLoS ONE</i> , 2016, 11, e0159277.	2.5	16
43	Pathway selection by ectopic motoneurons in embryonic zebrafish. <i>Neuron</i> , 1992, 9, 105-112.	8.1	15
44	DeltaA mRNA and protein distribution in the zebrafish nervous system. <i>Developmental Dynamics</i> , 2009, 238, 3226-3236.	1.8	15
45	Lhx3 and Lhx4 suppress Kolmerâ€™s Agduhr interneuron characteristics within zebrafish axial motoneurons. <i>Development (Cambridge)</i> , 2014, 141, 3900-3909.	2.5	15
46	Husbandry and Health Program Survey Synopsis. <i>Zebrafish</i> , 2016, 13, S-5-S-7.	1.1	14
47	Egr1 Is Necessary for Forebrain Dopaminergic Signaling during Social Behavior. <i>ENeuro</i> , 2022, 9, ENEURO.0035-22.2022.	1.9	13
48	Characterization of Enteric Neurons in Wild-Type and Mutant Zebrafish Using Semi-Automated Cell Counting and Co-Expression Analysis. <i>Zebrafish</i> , 2013, 10, 147-153.	1.1	11
49	Enteric nervous system modulation of luminal pH modifies the microbial environment to promote intestinal health. <i>PLoS Pathogens</i> , 2022, 18, e1009989.	4.7	11
50	Somatosensory mechanisms in zebrafish lacking dorsal root ganglia. <i>Journal of Anatomy</i> , 2011, 218, 271-276.	1.5	10
51	Late onset of Synaptotagmin 2a expression at synapses relevant to social behavior. <i>Journal of Comparative Neurology</i> , 2021, 529, 2176-2188.	1.6	8
52	Netrin Signaling Breaks the Equivalence between Two Identified Zebrafish Motoneurons Revealing a New Role of Intermediate Targets. <i>PLoS ONE</i> , 2011, 6, e25841.	2.5	7
53	Neuregulin-mediated ErbB3 signaling is required for formation of zebrafish dorsal root ganglion neurons. <i>Development (Cambridge)</i> , 2008, 135, 2993-2993.	2.5	6
54	The Role of inab in Axon Morphology of an Identified Zebrafish Motoneuron. <i>PLoS ONE</i> , 2014, 9, e88631.	2.5	6

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55	Perspective. <i>Developmental Dynamics</i> , 2003, 228, 299-300.	1.8	2
56	Universal Healthcare for Zebrafish. <i>Zebrafish</i> , 2016, 13, S-1-S-4.	1.1	2
57	Screen for mutations affecting development of zebrafish neural crest. <i>Genesis</i> , 1996, 18, 11-17.	2.1	2