Victoria E Prince

List of Publications by Citations

66 papers	5,085 citations	35 h-index	71 g-index
103 ext. papers	5,622 ext. citations	5.6 avg, IF	5.45 L-index

#	Paper	IF	Citations
66	Zebrafish hox clusters and vertebrate genome evolution. *Science*, **1998**, 282, 1711-4	33.3	1350
65	Splitting pairs: the diverging fates of duplicated genes. *Nature Reviews Genetics*, **2002**, 3, 827-37	30.1	548
64	Retinoic acid signaling is required for a critical early step in zebrafish pancreatic development. *Current Biology*, **2002**, 12, 1215-20	6.3	259
63	A new time-scale for ray-finned fish evolution. *Proceedings of the Royal Society B: Biological Sciences* , **2007**, 274, 489-98	4.4	248
62	Constructing the hindbrain: insights from the zebrafish. *Developmental Dynamics*, **2002**, 224, 1-17	2.9	160
61	Blood sugar measurement in zebrafish reveals dynamics of glucose homeostasis. *Zebrafish*, **2010**, 7, 205-13	2	139
60	Knockdown of duplicated zebrafishhoxb1genes reveals distinct roles in hindbrain patterning and a novel mechanism of duplicate gene retention. *Development (Cambridge)*, **2002**, 129, 2339-2354	6.6	132
59	Zebrafish hox paralogue group 2 genes function redundantly as selector genes to pattern the second pharyngeal arch. *Developmental Biology*, **2002**, 247, 367-89	3.1	111
58	On the diabetic menu: zebrafish as a model for pancreas development and function. *BioEssays*, **2009**, 31, 139-52	4.1	110
57	Retinoids signal directly to zebrafish endoderm to specify insulin-expressing beta-cells. *Development (Cambridge)*, **2006**, 133, 949-56	6.6	101
56	Plasticity in zebrafish hox expression in the hindbrain and cranial neural crest. *Developmental Biology*, **2001**, 231, 201-16	3.1	97
55	Consequences of Hox gene duplication in the vertebrates: an investigation of the zebrafish Hox paralogue group 1 genes. *Development (Cambridge)*, **2001**, 128, 2471-2484	6.6	93
54	The Hox Paradox: More complex(es) than imagined. *Developmental Biology*, **2002**, 249, 1-15	3.1	91
53	Zebrafish Hoxb1a regulates multiple downstream genes including prickle1b. *Developmental Biology* , **2007**, 309, 358-72	3.1	85
52	Intraperitoneal injection into adult zebrafish. *Journal of Visualized Experiments*, **2010**,	1.6	82
51	A conserved role for retinoid signaling in vertebrate pancreas development. *Development Genes and Evolution*, **2004**, 214, 432-41	1.8	82
50	In vitro processing and secretion of mutant insulin proteins that cause permanent neonatal diabetes. *American Journal of Physiology - Endocrinology and Metabolism*, **2010**, 298, E403-10	6	67

49	Zebrafish lunatic fringe demarcates segmental boundaries. *Mechanisms of Development*, **2001**, 105, 175-80	2.7	63
48	Knockdown of duplicated zebrafish hoxb1 genes reveals distinct roles in hindbrain patterning and a novel mechanism of duplicate gene retention. *Development (Cambridge)*, **2002**, 129, 2339-54	6.6	62
47	Current perspectives in zebrafish reverse genetics: moving forward. *Developmental Dynamics*, **2008**, 237, 861-82	2.9	59
46	Repression of the hindbrain developmental program by Cdx factors is required for the specification of the vertebrate spinal cord. *Development (Cambridge)*, **2007**, 134, 2147-58	6.6	59
45	Additional hox clusters in the zebrafish: divergent expression patterns belie equivalent activities of duplicate hoxB5 genes. *Evolution & Development*, **2001**, 3, 127-44	2.6	56
44	Hox gene expression reveals regionalization along the anteroposterior axis of the zebrafish notochord. *Development Genes and Evolution*, **1998**, 208, 517-22	1.8	55
43	Zic1 and Zic4 regulate zebrafish roof plate specification and hindbrain ventricle morphogenesis. *Developmental Biology*, **2008**, 314, 376-92	3.1	55
42	The autism susceptibility gene met regulates zebrafish cerebellar development and facial motor neuron migration. *Developmental Biology*, **2009**, 335, 78-92	3.1	54
41	Duplication events and the evolution of segmental identity. *Evolution & Development*, **2005**, 7, 556-67	2.6	54
40	Zebrafish mnx1 controls cell fate choice in the developing endocrine pancreas. *Development (Cambridge)*, **2011**, 138, 4597-608	6.6	48
39	Zebrafish gcm2 is required for gill filament budding from pharyngeal ectoderm. *Developmental Biology*, **2004**, 276, 508-22	3.1	45
38	Heat shock produces periodic somitic disturbances in the zebrafish embryo. *Mechanisms of Development*, **1999**, 85, 27-34	1.7	45
37	Prickle1b mediates interpretation of migratory cues during zebrafish facial branchiomotor neuron migration. *Developmental Dynamics*, **2010**, 239, 1596-608	2.9	43
36	Cdx4 is required in the endoderm to localize the pancreas and limit beta-cell number. *Development (Cambridge)*, **2008**, 135, 919-29	6.6	43
35	Rapid image deconvolution and multiview fusion for optical microscopy. *Nature Biotechnology*, **2020**, 38, 1337-1346	44.5	37
34	Zebrafish Prickle1b mediates facial branchiomotor neuron migration via a farnesylation-dependent nuclear activity. *Development (Cambridge)*, **2011**, 138, 2121-32	6.6	37
33	Zebrafish Pancreas Development and Regeneration: Fishing for Diabetes Therapies. *Current Topics in Developmental Biology*, **2017**, 124, 235-276	5.3	36
32	Origin of the zebrafish endocrine and exocrine pancreas. *Developmental Dynamics*, **2007**, 236, 1558-69	2.9	36

31	Evolutionary divergence of vertebrate Hoxb2 expression patterns and transcriptional regulatory loci. *The Journal of Experimental Zoology*, **2002**, 294, 285-99		33
30	Hox gene misexpression and cell-specific lesions reveal functionality of homeotically transformed neurons. *Journal of Neuroscience*, **2004**, 24, 3070-6	6.6	31
29	Cloning and developmental expression of a zebrafish meis2 homeobox gene. *Mechanisms of Development*, **2001**, 102, 247-50	1.7	30
28	Zebrafish rest regulates developmental gene expression but not neurogenesis. *Development (Cambridge)*, **2012**, 139, 3838-48	6.6	27
27	Neural crest development: insights from the zebrafish. *Developmental Dynamics*, **2020**, 249, 88-111	2.9	27
26	spiel ohne grenzen/pou2is required for zebrafish hindbrain segmentation. *Development (Cambridge)*, **2002**, 129, 1645-1655	6.6	26
25	Cyp26 enzymes function in endoderm to regulate pancreatic field size. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 7864-9	11.5	25
24	Axon tracts guide zebrafish facial branchiomotor neuron migration through the hindbrain. *Development (Cambridge)*, **2013**, 140, 906-15	6.6	24
23	Comparative genomic analysis of vertebrate Hox3 and Hox4 genes. *The Journal of Experimental Zoology*, **2004**, 302, 147-64		22
22	Differential levels of Neurod establish zebrafish endocrine pancreas cell fates. *Developmental Biology*, **2015**, 402, 81-97	3.1	21
21	Conserved co-regulation and promoter sharing of hoxb3a and hoxb4a in zebrafish. *Developmental Biology*, **2006**, 297, 26-43	3.1	21
20	Multiple mechanisms mediate motor neuron migration in the zebrafish hindbrain. *Developmental Neurobiology*, **2010**, 70, 87-99	3.2	20
19	Expression and retinoic acid regulation of the zebrafish nr2f orphan nuclear receptor genes. *Developmental Dynamics*, **2012**, 241, 1603-15	2.9	17
18	Facial motor neuron migration advances. *Current Opinion in Neurobiology*, **2013**, 23, 943-50	7.6	16
17	Prickle1 is required for EMT and migration of zebrafish cranial neural crest. *Developmental Biology*, **2019**, 448, 16-35	3.1	14
16	The fates of zebrafish Hox gene duplicates. *Journal of Structural and Functional Genomics*, **2003**, 3, 185-194		14
15	Consequences of hoxb1 duplication in teleost fish. *Evolution & Development*, **2007**, 9, 540-54	2.6	10
14	Conserved expression of Hoxa1 in neurons at the ventral forebrain/midbrain boundary of vertebrates. *Development Genes and Evolution*, **2003**, 213, 399-406	1.8	10

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13	From head to tail: regionalization of the neural crest. *Development (Cambridge)*, **2020**, 147,	6.6	9
12	Transgenic zebrafish model of the C43G human insulin gene mutation. *Journal of Diabetes Investigation*, **2013**, 4, 157-67	3.9	8
11	Model organisms inform the search for the genes and developmental pathology underlying malformations of the human hindbrain. *Seminars in Pediatric Neurology*, **2009**, 16, 155-63	2.9	8
10	The fates of zebrafish Hox gene duplicates. *Journal of Structural and Functional Genomics*, **2003**, 3, 185-94		8
9	Rest represses maturation within migrating facial branchiomotor neurons. *Developmental Biology*, **2015**, 401, 220-35	3.1	7
8	Hox Genes and Segmental Patterning of the Vertebrate Hindbrain. *American Zoologist*, **1998**, 38, 634-646		6
7	Midline morphogenesis of zebrafish foregut endoderm is dependent on Hoxb5b. *Developmental Biology*, **2021**, 471, 1-9	3.1	3
6	Mnx1: a gatekeeper of cell fate. *Islets*, **2012**, 4, 320-2	2	2
5	Recent advances in pancreas development: from embryonic pathways to programming renewable sources of beta cells. *F1000 Biology Reports*, **2010**, 2, 17		2
4	Development and migration of the zebrafish rhombencephalic octavolateral efferent neurons. *Journal of Comparative Neurology*, **2021**, 529, 1293-1307	3.4	1
3	Zebrafish Cdx4 regulates neural crest cell specification and migratory behaviors in the posterior body. *Developmental Biology*, **2021**, 480, 25-38	3.1	1
2	A grand new view from the embryo. *Development (Cambridge)*, **2005**, 132, 5133-5135	6.6	
1	The fates of zebrafish Hox gene duplicates **2003**, 185-194		