

Leonard I Zon

List of Publications by Year in descending order

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279
papers

42,372
citations

3919

88
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2375

198
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299
all docs

299
docs citations

299
times ranked

39587
citing authors

#	ARTICLE	IF	CITATIONS
1	The zebrafish reference genome sequence and its relationship to the human genome. <i>Nature</i> , 2013, 496, 498-503.	13.7	3,708
2	Hematopoiesis: An Evolving Paradigm for Stem Cell Biology. <i>Cell</i> , 2008, 132, 631-644.	13.5	2,061
3	Requirement for ceramide-initiated SAPK/JNK signalling in stress-induced apoptosis. <i>Nature</i> , 1996, 380, 75-79.	13.7	1,789
4	Positional cloning of zebrafish ferroportin1 identifies a conserved vertebrate iron exporter. <i>Nature</i> , 2000, 403, 776-781.	13.7	1,491
5	Transparent Adult Zebrafish as a Tool for In Vivo Transplantation Analysis. <i>Cell Stem Cell</i> , 2008, 2, 183-189.	5.2	1,176
6	In vivo drug discovery in the zebrafish. <i>Nature Reviews Drug Discovery</i> , 2005, 4, 35-44.	21.5	1,159
7	Prostaglandin E2 regulates vertebrate haematopoietic stem cell homeostasis. <i>Nature</i> , 2007, 447, 1007-1011.	13.7	1,037
8	Role of SAPK/ERK kinase-1 in the stress-activated pathway regulating transcription factor c-Jun. <i>Nature</i> , 1994, 372, 794-798.	13.7	1,016
9	Cloning of cDNA for the major DNA-binding protein of the erythroid lineage through expression in mammalian cells. <i>Nature</i> , 1989, 339, 446-451.	13.7	941
10	Vertebrate genome evolution and the zebrafish gene map. <i>Nature Genetics</i> , 1998, 18, 345-349.	9.4	792
11	Activation of stress-activated protein kinase by MEKK1 phosphorylation of its activator SEK1. <i>Nature</i> , 1994, 372, 798-800.	13.7	729
12	Transplantation and in vivo imaging of multilineage engraftment in zebrafish bloodless mutants. <i>Nature Immunology</i> , 2003, 4, 1238-1246.	7.0	718
13	Genetic Interaction of PGE2 and Wnt Signaling Regulates Developmental Specification of Stem Cells and Regeneration. <i>Cell</i> , 2009, 136, 1136-1147.	13.5	628
14	BRAF Mutations Are Sufficient to Promote Nevi Formation and Cooperate with p53 in the Genesis of Melanoma. <i>Current Biology</i> , 2005, 15, 249-254.	1.8	626
15	tp53 mutant zebrafish develop malignant peripheral nerve sheath tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 407-412.	3.3	559
16	The Use of Zebrafish to Understand Immunity. <i>Immunity</i> , 2004, 20, 367-379.	6.6	557
17	Intraembryonic hematopoietic cell migration during vertebrate development.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 10713-10717.	3.3	549
18	Myc-Induced T Cell Leukemia in Transgenic Zebrafish. <i>Science</i> , 2003, 299, 887-890.	6.0	506

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19	The histone methyltransferase SETDB1 is recurrently amplified in melanoma and accelerates its onset. <i>Nature</i> , 2011, 471, 513-517.	13.7	506
20	Expression of an erythroid transcription factor in megakaryocytic and mast cell lineages. <i>Nature</i> , 1990, 344, 444-447.	13.7	482
21	The cloacal and spinal cord genes differentially affect hematopoiesis and vasculogenesis. <i>Developmental Biology</i> , 1998, 197, 248-269.	0.9	467
22	Generation of vascular endothelial and smooth muscle cells from human pluripotent stem cells. <i>Nature Cell Biology</i> , 2015, 17, 994-1003.	4.6	463
23	The art and design of genetic screens: zebrafish. <i>Nature Reviews Genetics</i> , 2001, 2, 956-966.	7.7	425
24	A comparison of non-integrating reprogramming methods. <i>Nature Biotechnology</i> , 2015, 33, 58-63.	9.4	424
25	DHODH modulates transcriptional elongation in the neural crest and melanoma. <i>Nature</i> , 2011, 471, 518-522.	13.7	411
26	Hooked! Modeling human disease in zebrafish. <i>Journal of Clinical Investigation</i> , 2012, 122, 2337-2343.	3.9	408
27	Ubiquitous transgene expression and Cre-based recombination driven by the <i>ubiquitin</i> promoter in zebrafish. <i>Development (Cambridge)</i> , 2011, 138, 169-177.	1.2	400
28	Hematopoietic Stem Cell Development Is Dependent on Blood Flow. <i>Cell</i> , 2009, 137, 736-748.	13.5	393
29	Myelopoiesis in the zebrafish, <i>Danio rerio</i> . <i>Blood</i> , 2001, 98, 643-651.	0.6	391
30	In vivo tracking of T cell development, ablation, and engraftment in transgenic zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7369-7374.	3.3	389
31	Hepatic maturation in differentiating embryonic stem cells in vitro. <i>FEBS Letters</i> , 2001, 497, 15-19.	1.3	381
32	The "definitive" (and "primitive") guide to zebrafish hematopoiesis. <i>Oncogene</i> , 2004, 23, 7233-7246.	2.6	376
33	Hematopoietic stem cell fate is established by the Notch-Runx pathway. <i>Genes and Development</i> , 2005, 19, 2331-2342.	2.7	358
34	Zebrafish cancer: the state of the art and the path forward. <i>Nature Reviews Cancer</i> , 2013, 13, 624-636.	12.8	349
35	Analysis of thrombocyte development in CD41-GFP transgenic zebrafish. <i>Blood</i> , 2005, 106, 3803-3810.	0.6	341
36	A zebrafish melanoma model reveals emergence of neural crest identity during melanoma initiation. <i>Science</i> , 2016, 351, aad2197.	6.0	339

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37	Tumor-Derived Extracellular Vesicles Breach the Intact Blood-Brain Barrier via Transcytosis. ACS Nano, 2019, 13, 13853-13865.	7.3	326
38	A CRISPR/Cas9 Vector System for Tissue-Specific Gene Disruption in Zebrafish. Developmental Cell, 2015, 32, 756-764.	3.1	325
39	Use of Zebrafish in Drug Discovery Toxicology. Chemical Research in Toxicology, 2020, 33, 95-118.	1.7	315
40	Haematologic manifestations of the human immune deficiency virus (HIV). British Journal of Haematology, 1987, 66, 251-256.	1.2	301
41	Hematopoietic Stem Cell Arrival Triggers Dynamic Remodeling of the Perivascular Niche. Cell, 2015, 160, 241-252.	13.5	291
42	Effects of RAS on the genesis of embryonal rhabdomyosarcoma. Genes and Development, 2007, 21, 1382-1395.	2.7	289
43	Prostaglandin-modulated umbilical cord blood hematopoietic stem cell transplantation. Blood, 2013, 122, 3074-3081.	0.6	280
44	Lineage Regulators Direct BMP and Wnt Pathways to Cell-Specific Programs during Differentiation and Regeneration. Cell, 2011, 147, 577-589.	13.5	277
45	Hematopoiesis. Development (Cambridge), 2013, 140, 2463-2467.	1.2	270
46	Intrinsic and extrinsic control of haematopoietic stem-cell self-renewal. Nature, 2008, 453, 306-313.	13.7	261
47	Loci associated with skin pigmentation identified in African populations. Science, 2017, 358, .	6.0	260
48	Prostaglandin E2 Enhances Human Cord Blood Stem Cell Xenotransplants and Shows Long-Term Safety in Preclinical Nonhuman Primate Transplant Models. Cell Stem Cell, 2011, 8, 445-458.	5.2	250
49	Use of the Zebrafish System to Study Primitive and Definitive Hematopoiesis. Annual Review of Genetics, 2005, 39, 481-501.	3.2	248
50	Induction of Multipotential Hematopoietic Progenitors from Human Pluripotent Stem Cells via Respecification of Lineage-Restricted Precursors. Cell Stem Cell, 2013, 13, 459-470.	5.2	241
51	Positional cloning of the zebrafish sauternes gene: a model for congenital sideroblastic anaemia. Nature Genetics, 1998, 20, 244-250.	9.4	239
52	Suppression of in vitro haematopoiesis following human immunodeficiency virus infection. Nature, 1987, 326, 200-203.	13.7	235
53	cdx4 mutants fail to specify blood progenitors and can be rescued by multiple hox genes. Nature, 2003, 425, 300-306.	13.7	227
54	Activation of the SAPK pathway by the human STE20 homologue germinal centre kinase. Nature, 1995, 377, 750-754.	13.7	218

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55	Loss-of-function mutations in the <i>C9ORF72</i> mouse ortholog cause fatal autoimmune disease. <i>Science Translational Medicine</i> , 2016, 8, 347ra93.	5.8	217
56	Dynamic Control of Enhancer Repertoires Drives Lineage and Stage-Specific Transcription during Hematopoiesis. <i>Developmental Cell</i> , 2016, 36, 9-23.	3.1	204
57	Zebrafish disease models in drug discovery: from preclinical modelling to clinical trials. <i>Nature Reviews Drug Discovery</i> , 2021, 20, 611-628.	21.5	192
58	TIF1 β Controls Erythroid Cell Fate by Regulating Transcription Elongation. <i>Cell</i> , 2010, 142, 133-143.	13.5	187
59	Effects of lethal irradiation in zebrafish and rescue by hematopoietic cell transplantation. <i>Blood</i> , 2004, 104, 1298-1305.	0.6	161
60	Anticardiolipin antibodies associated with HTLV-III infection. <i>British Journal of Haematology</i> , 1987, 65, 495-498.	1.2	160
61	The major human erythroid DNA-binding protein (CF-1): primary sequence and localization of the gene to the X chromosome.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 668-672.	3.3	154
62	A zebrafish bmyb mutation causes genome instability and increased cancer susceptibility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13194-13199.	3.3	152
63	Zebrafish as a model for normal and malignant hematopoiesis. <i>DMM Disease Models and Mechanisms</i> , 2011, 4, 433-438.	1.2	151
64	Characterization of embryonic globin genes of the zebrafish. <i>Developmental Biology</i> , 2003, 255, 48-61.	0.9	150
65	BMP-4-responsive regulation of dorsal-ventral patterning by the homeobox protein Mix.1. <i>Nature</i> , 1996, 382, 357-360.	13.7	149
66	Hematopoietic development in the zebrafish. <i>International Journal of Developmental Biology</i> , 2010, 54, 1127-1137.	0.3	146
67	A Zebrafish Embryo Culture System Defines Factors that Promote Vertebrate Myogenesis across Species. <i>Cell</i> , 2013, 155, 909-921.	13.5	144
68	T-Lymphoblastic Lymphoma Cells Express High Levels of BCL2, S1P1, and ICAM1, Leading to a Blockade of Tumor Cell Intravasation. <i>Cancer Cell</i> , 2010, 18, 353-366.	7.7	141
69	Zebrafish patient avatars in cancer biology and precision cancer therapy. <i>Nature Reviews Cancer</i> , 2020, 20, 263-273.	12.8	137
70	Zebrafish blood stem cells. <i>Journal of Cellular Biochemistry</i> , 2009, 108, 35-42.	1.2	136
71	Zebrafish scl functions independently in hematopoietic and endothelial development. <i>Developmental Biology</i> , 2005, 277, 522-536.	0.9	133
72	Melanocytes in Development, Regeneration, and Cancer. <i>Cell Stem Cell</i> , 2008, 3, 242-252.	5.2	133

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73	A Chemical Genetic Screen for Cell Cycle Inhibitors in Zebrafish Embryos. <i>Chemical Biology and Drug Design</i> , 2006, 68, 213-219.	1.5	127
74	GATA-binding transcription factors in mast cells regulate the promoter of the mast cell carboxypeptidase A gene. <i>Journal of Biological Chemistry</i> , 1991, 266, 22948-53.	1.6	124
75	Human tumor genomics and zebrafish modeling identify <i>SPRED1</i> loss as a driver of mucosal melanoma. <i>Science</i> , 2018, 362, 1055-1060.	6.0	123
76	Zebrafish globin switching occurs in two developmental stages and is controlled by the LCR. <i>Developmental Biology</i> , 2012, 366, 185-194.	0.9	122
77	Oncogenic NRAS Cooperates with <i>p53</i> Loss to Generate Melanoma in Zebrafish. <i>Zebrafish</i> , 2009, 6, 397-404.	0.5	121
78	High-throughput cell transplantation establishes that tumor-initiating cells are abundant in zebrafish T-cell acute lymphoblastic leukemia. <i>Blood</i> , 2010, 115, 3296-3303.	0.6	121
79	The Zebrafish moonshine Gene Encodes Transcriptional Intermediary Factor 1 ^β , an Essential Regulator of Hematopoiesis. <i>PLoS Biology</i> , 2004, 2, e237.	2.6	117
80	A Quantitative System for Studying Metastasis Using Transparent Zebrafish. <i>Cancer Research</i> , 2015, 75, 4272-4282.	0.4	113
81	The caudal-related homeobox genes <i>cdx1a</i> and <i>cdx4</i> act redundantly to regulate <i>hox</i> gene expression and the formation of putative hematopoietic stem cells during zebrafish embryogenesis. <i>Developmental Biology</i> , 2006, 292, 506-518.	0.9	108
82	Mutations in QARS, Encoding Glutamyl-tRNA Synthetase, Cause Progressive Microcephaly, Cerebral-Cerebellar Atrophy, and Intractable Seizures. <i>American Journal of Human Genetics</i> , 2014, 94, 547-558.	2.6	106
83	Zebrafish <i>stat3</i> is expressed in restricted tissues during embryogenesis and <i>stat1</i> rescues cytokine signaling in a <i>STAT1</i> -deficient human cell line. <i>Developmental Dynamics</i> , 1999, 215, 352-370.	0.8	105
84	Chamber identity programs drive early functional partitioning of the heart. <i>Nature Communications</i> , 2015, 6, 8146.	5.8	103
85	Targeting the Senescence-Overriding Cooperative Activity of Structurally Unrelated H3K9 Demethylases in Melanoma. <i>Cancer Cell</i> , 2018, 33, 322-336.e8.	7.7	103
86	Hematologic manifestations of the human immune deficiency virus (HIV). <i>Seminars in Hematology</i> , 1988, 25, 208-18.	1.8	101
87	Ultrasound biomicroscopy permits in vivo characterization of zebrafish liver tumors. <i>Nature Methods</i> , 2007, 4, 551-553.	9.0	99
88	PD-L1 genetic overexpression or pharmacological restoration in hematopoietic stem and progenitor cells reverses autoimmune diabetes. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	99
89	Zebrafish: a new model for human disease. <i>Genome Research</i> , 1999, 9, 99-100.	2.4	99
90	Epoxyeicosatrienoic acids enhance embryonic haematopoiesis and adult marrow engraftment. <i>Nature</i> , 2015, 523, 468-471.	13.7	97

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91	NOTCH signaling specifies arterial-type definitive hemogenic endothelium from human pluripotent stem cells. <i>Nature Communications</i> , 2018, 9, 1828.	5.8	97
92	Regulation of the <i>lmo2</i> promoter during hematopoietic and vascular development in zebrafish. <i>Developmental Biology</i> , 2005, 281, 256-269.	0.9	95
93	Chemical screening in zebrafish for novel biological and therapeutic discovery. <i>Methods in Cell Biology</i> , 2017, 138, 651-679.	0.5	94
94	The erythropoietin receptor transmembrane region is necessary for activation by the Friend spleen focus-forming virus gp55 glycoprotein.. <i>Molecular and Cellular Biology</i> , 1992, 12, 2949-2957.	1.1	93
95	Resistance to inflammation underlies enhanced fitness in clonal hematopoiesis. <i>Science</i> , 2021, 374, 768-772.	6.0	93
96	The zebrafish granulocyte colony-stimulating factors (Gcsfs): 2 paralogous cytokines and their roles in hematopoietic development and maintenance. <i>Blood</i> , 2013, 122, 3918-3928.	0.6	90
97	Clonal fate mapping quantifies the number of hematopoietic stem cells that arise during development. <i>Nature Cell Biology</i> , 2017, 19, 17-27.	4.6	90
98	AIBP-mediated cholesterol efflux instructs hematopoietic stem and progenitor cell fate. <i>Science</i> , 2019, 363, 1085-1088.	6.0	90
99	Melanoma models for the next generation of therapies. <i>Cancer Cell</i> , 2021, 39, 610-631.	7.7	90
100	MED12 Regulates HSC-Specific Enhancers Independently of Mediator Kinase Activity to Control Hematopoiesis. <i>Cell Stem Cell</i> , 2016, 19, 784-799.	5.2	88
101	A genetic screen in zebrafish defines a hierarchical network of pathways required for hematopoietic stem cell emergence. <i>Blood</i> , 2009, 113, 5776-5782.	0.6	87
102	Selective microRNA uridylation by Zcchc6 (TUT7) and Zcchc11 (TUT4). <i>Nucleic Acids Research</i> , 2014, 42, 11777-11791.	6.5	87
103	Drug discovery for Diamond-Blackfan anemia using reprogrammed hematopoietic progenitors. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	87
104	A network of epigenetic regulators guides developmental haematopoiesis in vivo. <i>Nature Cell Biology</i> , 2013, 15, 1516-1525.	4.6	81
105	Whole-exome sequencing and functional studies identify RPS29 as a novel gene mutated in multicas Diamond-Blackfan anemia families. <i>Blood</i> , 2014, 124, 24-32.	0.6	79
106	Engineering Hematopoietic Stem Cells: Lessons from Development. <i>Cell Stem Cell</i> , 2016, 18, 707-720.	5.2	79
107	Targeted Application of Human Genetic Variation Can Improve Red Blood Cell Production from Stem Cells. <i>Cell Stem Cell</i> , 2016, 18, 73-78.	5.2	78
108	<i>EXTL3</i> mutations cause skeletal dysplasia, immune deficiency, and developmental delay. <i>Journal of Experimental Medicine</i> , 2017, 214, 623-637.	4.2	76

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109	Zebrafish kidney stromal cell lines support multilineage hematopoiesis. <i>Blood</i> , 2009, 114, 279-289.	0.6	74
110	Site-directed zebrafish transgenesis into single landing sites with the phiC31 integrase system. <i>Developmental Dynamics</i> , 2013, 242, 949-963.	0.8	74
111	Adenosine signaling promotes hematopoietic stem and progenitor cell emergence. <i>Journal of Experimental Medicine</i> , 2015, 212, 649-663.	4.2	73
112	Retro-orbital Injection in Adult Zebrafish. <i>Journal of Visualized Experiments</i> , 2009, , .	0.2	71
113	Stress from Nucleotide Depletion Activates the Transcriptional Regulator HEXIM1 to Suppress Melanoma. <i>Molecular Cell</i> , 2016, 62, 34-46.	4.5	71
114	Estrogen Activation of G-Protein-Coupled Estrogen Receptor 1 Regulates Phosphoinositide 3-Kinase and mTOR Signaling to Promote Liver Growth in Zebrafish and Proliferation of Human Hepatocytes. <i>Gastroenterology</i> , 2019, 156, 1788-1804.e13.	0.6	69
115	Modeling Cancer with Flies and Fish. <i>Developmental Cell</i> , 2019, 49, 317-324.	3.1	68
116	Cross-species analysis of enhancer logic using deep learning. <i>Genome Research</i> , 2020, 30, 1815-1834.	2.4	65
117	Co-injection strategies to modify radiation sensitivity and tumor initiation in transgenic Zebrafish. <i>Oncogene</i> , 2008, 27, 4242-4248.	2.6	63
118	Long-term drug administration in the adult zebrafish using oral gavage for cancer preclinical studies. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 811-20.	1.2	61
119	Inflammasome Regulates Hematopoiesis through Cleavage of the Master Erythroid Transcription Factor GATA1. <i>Immunity</i> , 2019, 51, 50-63.e5.	6.6	61
120	Protection from UV light is an evolutionarily conserved feature of the haematopoietic niche. <i>Nature</i> , 2018, 558, 445-448.	13.7	59
121	Melanoma Biology and the Promise of Zebrafish. <i>Zebrafish</i> , 2008, 5, 247-255.	0.5	58
122	A Zebrafish Model of Myelodysplastic Syndrome Produced through <i>tet2</i> Genomic Editing. <i>Molecular and Cellular Biology</i> , 2015, 35, 789-804.	1.1	58
123	Hematopoietic defects in <i>rps29</i> mutant zebrafish depend upon p53 activation. <i>Experimental Hematology</i> , 2012, 40, 228-237.e5.	0.2	57
124	Insight into GATA1 transcriptional activity through interrogation of <i>cis</i> elements disrupted in human erythroid disorders. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4434-4439.	3.3	56
125	Zebrafish blastomere screen identifies retinoic acid suppression of <i>MYB</i> in adenoid cystic carcinoma. <i>Journal of Experimental Medicine</i> , 2018, 215, 2673-2685.	4.2	56
126	Evolution of the hypoxia-sensitive cells involved in amniote respiratory reflexes. <i>ELife</i> , 2017, 6, .	2.8	54

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127	Getting more for your marrow: Boosting hematopoietic stem cell numbers with PGE2. <i>Experimental Cell Research</i> , 2014, 329, 220-226.	1.2	53
128	Massively parallel reporter assays of melanoma risk variants identify MX2 as a gene promoting melanoma. <i>Nature Communications</i> , 2020, 11, 2718.	5.8	53
129	From fish bowl to bedside: The power of zebrafish to unravel melanoma pathogenesis and discover new therapeutics. <i>Pigment Cell and Melanoma Research</i> , 2017, 30, 402-412.	1.5	52
130	Modeling human hematopoietic and cardiovascular diseases in zebrafish. <i>Developmental Dynamics</i> , 2003, 228, 568-583.	0.8	51
131	Clonal analysis of hematopoietic progenitor cells in the zebrafish. <i>Blood</i> , 2011, 118, 1274-1282.	0.6	50
132	Distinct Roles for Matrix Metalloproteinases 2 and 9 in Embryonic Hematopoietic Stem Cell Emergence, Migration, and Niche Colonization. <i>Stem Cell Reports</i> , 2017, 8, 1226-1241.	2.3	50
133	Analysis of Hematopoietic Development in the Zebrafish. , 2005, 105, 171-198.		49
134	Mitochondrial function in development and disease. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	48
135	Dissection of vertebrate hematopoiesis using zebrafish thrombopoietin. <i>Blood</i> , 2014, 124, 220-228.	0.6	47
136	Flow-induced protein kinase Aâ€“CREB pathway acts via BMP signaling to promote HSC emergence. <i>Journal of Experimental Medicine</i> , 2015, 212, 633-648.	4.2	47
137	Neural Crest Development and Craniofacial Morphogenesis Is Coordinated by Nitric Oxide and Histone Acetylation. <i>Chemistry and Biology</i> , 2014, 21, 488-501.	6.2	46
138	Genome-wide Trans-ethnic Meta-analysis Identifies Seven Genetic Loci Influencing Erythrocyte Traits and a Role for RBPMS in Erythropoiesis. <i>American Journal of Human Genetics</i> , 2017, 100, 51-63.	2.6	45
139	Chapter 14 Zebrafish YAC, BAC, and PAC Genomic Libraries. <i>Methods in Cell Biology</i> , 1998, 60, 235-258.	0.5	44
140	Advanced Zebrafish Transgenesis with Tol2 and Application for Cre/lox Recombination Experiments. <i>Methods in Cell Biology</i> , 2011, 104, 173-194.	0.5	44
141	Gain-of-Function Genetic Alterations of G9a Drive Oncogenesis. <i>Cancer Discovery</i> , 2020, 10, 980-997.	7.7	44
142	CXCR1 remodels the vascular niche to promote hematopoietic stem and progenitor cell engraftment. <i>Journal of Experimental Medicine</i> , 2017, 214, 1011-1027.	4.2	43
143	A novel myeloid-restricted zebrafish CCAAT/enhancer-binding protein with a potent transcriptional activation domain. <i>Blood</i> , 2001, 97, 2611-2617.	0.6	41
144	Stromal cellâ€“derived factor-1 and hematopoietic cell homing in an adult zebrafish model of hematopoietic cell transplantation. <i>Blood</i> , 2011, 118, 766-774.	0.6	41

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145	Fish to Learn: Insights into Blood Development and Blood Disorders from Zebrafish Hematopoiesis. <i>Human Gene Therapy</i> , 2016, 27, 287-294.	1.4	41
146	Use of the Zebrafish (<i>Danio rerio</i>) to Define Hematopoiesis. <i>Stem Cells</i> , 1998, 16, 89-98.	1.4	40
147	The genetic heterogeneity and mutational burden of engineered melanomas in zebrafish models. <i>Genome Biology</i> , 2013, 14, R113.	13.9	40
148	DNA methyltransferase 1 functions through <i>C/ebpa</i> to maintain hematopoietic stem and progenitor cells in zebrafish. <i>Journal of Hematology and Oncology</i> , 2015, 8, 15.	6.9	40
149	Notch1 acts via <i>Foxc2</i> to promote definitive hematopoiesis via effects on hemogenic endothelium. <i>Blood</i> , 2015, 125, 1418-1426.	0.6	40
150	The dark side of PD-1 receptor inhibition. <i>Nature</i> , 2017, 552, 41-42.	13.7	39
151	Specific oxylipins enhance vertebrate hematopoiesis via the receptor GPR132. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9252-9257.	3.3	38
152	<i>c-myb</i> hyperactivity leads to myeloid and lymphoid malignancies in zebrafish. <i>Leukemia</i> , 2017, 31, 222-233.	3.3	37
153	Stem cell safe harbor: the hematopoietic stem cell niche in zebrafish. <i>Blood Advances</i> , 2018, 2, 3063-3069.	2.5	37
154	RNA helicase DDX21 mediates nucleotide stress responses in neural crest and melanoma cells. <i>Nature Cell Biology</i> , 2020, 22, 372-379.	4.6	37
155	A chemical screen in zebrafish embryonic cells establishes that Akt activation is required for neural crest development. <i>ELife</i> , 2017, 6, .	2.8	37
156	Blood on the tracks: hematopoietic stem cell-endothelial cell interactions in homing and engraftment. <i>Journal of Molecular Medicine</i> , 2017, 95, 809-819.	1.7	36
157	TiF1-gamma plays an essential role in murine hematopoiesis and regulates transcriptional elongation of erythroid genes. <i>Developmental Biology</i> , 2013, 373, 422-430.	0.9	35
158	Identifying Novel Cancer Therapies Using Chemical Genetics and Zebrafish. <i>Advances in Experimental Medicine and Biology</i> , 2016, 916, 103-124.	0.8	35
159	NNT mediates redox-dependent pigmentation via a UVB- and MITF-independent mechanism. <i>Cell</i> , 2021, 184, 4268-4283.e20.	13.5	35
160	RNA helicase, DDX27 regulates skeletal muscle growth and regeneration by modulation of translational processes. <i>PLoS Genetics</i> , 2018, 14, e1007226.	1.5	34
161	A non-canonical function of telomerase RNA in the regulation of developmental myelopoiesis in zebrafish. <i>Nature Communications</i> , 2014, 5, 3228.	5.8	32
162	Understanding the regulation of vertebrate hematopoiesis and blood disorders – big lessons from a small fish. <i>FEBS Letters</i> , 2016, 590, 4016-4033.	1.3	32

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163	CAT7 and cat7l Long Non-coding RNAs Tune Polycomb Repressive Complex 1 Function during Human and Zebrafish Development. <i>Journal of Biological Chemistry</i> , 2016, 291, 19558-19572.	1.6	32
164	Retinoic Acid Blockade Increases Primitive Blood Cell Formation in cdx4 Mutant Zebrafish Embryos, Murine Yolk Sac Explants and Differentiated Embryonic Stem Cells.. <i>Blood</i> , 2007, 110, 201-201.	0.6	32
165	Efforts to enhance blood stem cell engraftment: Recent insights from zebrafish hematopoiesis. <i>Journal of Experimental Medicine</i> , 2017, 214, 2817-2827.	4.2	31
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