

# Leonard I Zon

## List of Publications by Citations

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269  
papers

33,837  
citations

82  
h-index

183  
g-index

299  
ext. papers

38,832  
ext. citations

14  
avg, IF

7.08  
L-index

#	Paper	IF	Citations
269	The zebrafish reference genome sequence and its relationship to the human genome. <i>Nature</i> , <b>2013</b> , 496, 498-503	50.4	2550
268	Requirement for ceramide-initiated SAPK/JNK signalling in stress-induced apoptosis. <i>Nature</i> , <b>1996</b> , 380, 75-9	50.4	1683
267	Hematopoiesis: an evolving paradigm for stem cell biology. <i>Cell</i> , <b>2008</b> , 132, 631-44	56.2	1680
266	Positional cloning of zebrafish ferroportin1 identifies a conserved vertebrate iron exporter. <i>Nature</i> , <b>2000</b> , 403, 776-81	50.4	1304
265	In vivo drug discovery in the zebrafish. <i>Nature Reviews Drug Discovery</i> , <b>2005</b> , 4, 35-44	64.1	1008
264	Role of SAPK/ERK kinase-1 in the stress-activated pathway regulating transcription factor c-Jun. <i>Nature</i> , <b>1994</b> , 372, 794-8	50.4	961
263	Prostaglandin E2 regulates vertebrate haematopoietic stem cell homeostasis. <i>Nature</i> , <b>2007</b> , 447, 1007-11	50.4	893
262	Transparent adult zebrafish as a tool for in vivo transplantation analysis. <i>Cell Stem Cell</i> , <b>2008</b> , 2, 183-9	18	891
261	Cloning of cDNA for the major DNA-binding protein of the erythroid lineage through expression in mammalian cells. <i>Nature</i> , <b>1989</b> , 339, 446-51	50.4	879
260	Vertebrate genome evolution and the zebrafish gene map. <i>Nature Genetics</i> , <b>1998</b> , 18, 345-9	36.3	711
259	Activation of stress-activated protein kinase by MEKK1 phosphorylation of its activator SEK1. <i>Nature</i> , <b>1994</b> , 372, 798-800	50.4	696
258	Transplantation and in vivo imaging of multilineage engraftment in zebrafish bloodless mutants. <i>Nature Immunology</i> , <b>2003</b> , 4, 1238-46	19.1	598
257	Genetic interaction of PGE2 and Wnt signaling regulates developmental specification of stem cells and regeneration. <i>Cell</i> , <b>2009</b> , 136, 1136-47	56.2	551
256	BRAF mutations are sufficient to promote nevi formation and cooperate with p53 in the genesis of melanoma. <i>Current Biology</i> , <b>2005</b> , 15, 249-54	6.3	529
255	Intraembryonic hematopoietic cell migration during vertebrate development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1995</b> , 92, 10713-7	11.5	489
254	tp53 mutant zebrafish develop malignant peripheral nerve sheath tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 407-12	11.5	473
253	The use of zebrafish to understand immunity. <i>Immunity</i> , <b>2004</b> , 20, 367-79	32.3	466

252	Expression of an erythroid transcription factor in megakaryocytic and mast cell lineages. <i>Nature</i> , <b>1990</b> , 344, 444-7	50.4	435
251	Myc-induced T cell leukemia in transgenic zebrafish. <i>Science</i> , <b>2003</b> , 299, 887-90	33.3	434
250	The cloche and spadetail genes differentially affect hematopoiesis and vasculogenesis. <i>Developmental Biology</i> , <b>1998</b> , 197, 248-69	3.1	432
249	The histone methyltransferase SETDB1 is recurrently amplified in melanoma and accelerates its onset. <i>Nature</i> , <b>2011</b> , 471, 513-7	50.4	405
248	The art and design of genetic screens: zebrafish. <i>Nature Reviews Genetics</i> , <b>2001</b> , 2, 956-66	30.1	379
247	Hematopoietic stem cell development is dependent on blood flow. <i>Cell</i> , <b>2009</b> , 137, 736-48	56.2	346
246	The 'definitive' (and 'primitive') guide to zebrafish hematopoiesis. <i>Oncogene</i> , <b>2004</b> , 23, 7233-46	9.2	333
245	Hepatic maturation in differentiating embryonic stem cells in vitro. <i>FEBS Letters</i> , <b>2001</b> , 497, 15-9	3.8	333
244	Myelopoiesis in the zebrafish, <i>Danio rerio</i> . <i>Blood</i> , <b>2001</b> , 98, 643-51	2.2	331
243	DHODH modulates transcriptional elongation in the neural crest and melanoma. <i>Nature</i> , <b>2011</b> , 471, 518-24	32.4	329
242	A comparison of non-integrating reprogramming methods. <i>Nature Biotechnology</i> , <b>2015</b> , 33, 58-63	44.5	326
241	Generation of vascular endothelial and smooth muscle cells from human pluripotent stem cells. <i>Nature Cell Biology</i> , <b>2015</b> , 17, 994-1003	23.4	323
240	Hematopoietic stem cell fate is established by the Notch-Runx pathway. <i>Genes and Development</i> , <b>2005</b> , 19, 2331-42	12.6	320
239	Hooked! Modeling human disease in zebrafish. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 2337-43	15.9	315
238	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> , <b>2004</b> , 101, 7369-74	11.5	308
237	Zebrafish cancer: the state of the art and the path forward. <i>Nature Reviews Cancer</i> , <b>2013</b> , 13, 624-36	31.3	283
236	Analysis of thrombocyte development in CD41-GFP transgenic zebrafish. <i>Blood</i> , <b>2005</b> , 106, 3803-10	2.2	274
235	Ubiquitous transgene expression and Cre-based recombination driven by the ubiquitin promoter in zebrafish. <i>Development (Cambridge)</i> , <b>2011</b> , 138, 169-77	6.6	259

234	Prostaglandin-modulated umbilical cord blood hematopoietic stem cell transplantation. <i>Blood</i> , <b>2013</b> , 122, 3074-81	2.2	252
233	A CRISPR/Cas9 vector system for tissue-specific gene disruption in zebrafish. <i>Developmental Cell</i> , <b>2015</b> , 32, 756-64	10.2	251
232	Effects of RAS on the genesis of embryonal rhabdomyosarcoma. <i>Genes and Development</i> , <b>2007</b> , 21, 1382-1395	25.6	251
231	Haematologic manifestations of the human immune deficiency virus (HIV). <i>British Journal of Haematology</i> , <b>1987</b> , 66, 251-6	4.5	238
230	Lineage regulators direct BMP and Wnt pathways to cell-specific programs during differentiation and regeneration. <i>Cell</i> , <b>2011</b> , 147, 577-89	56.2	234
229	Intrinsic and extrinsic control of haematopoietic stem-cell self-renewal. <i>Nature</i> , <b>2008</b> , 453, 306-13	50.4	226
228	Hematopoietic stem cell arrival triggers dynamic remodeling of the perivascular niche. <i>Cell</i> , <b>2015</b> , 160, 241-52	56.2	225
227	A zebrafish melanoma model reveals emergence of neural crest identity during melanoma initiation. <i>Science</i> , <b>2016</b> , 351, aad2197	33.3	223
226	Prostaglandin E2 enhances human cord blood stem cell xenotransplants and shows long-term safety in preclinical nonhuman primate transplant models. <i>Cell Stem Cell</i> , <b>2011</b> , 8, 445-58	18	219
225	Use of the zebrafish system to study primitive and definitive hematopoiesis. <i>Annual Review of Genetics</i> , <b>2005</b> , 39, 481-501	14.5	217
224	Activation of the SAPK pathway by the human STE20 homologue germinal centre kinase. <i>Nature</i> , <b>1995</b> , 377, 750-4	50.4	212
223	Positional cloning of the zebrafish sauternes gene: a model for congenital sideroblastic anaemia. <i>Nature Genetics</i> , <b>1998</b> , 20, 244-50	36.3	209
222	cdx4 mutants fail to specify blood progenitors and can be rescued by multiple hox genes. <i>Nature</i> , <b>2003</b> , 425, 300-6	50.4	209
221	Suppression of in vitro haematopoiesis following human immunodeficiency virus infection. <i>Nature</i> , <b>1987</b> , 326, 200-3	50.4	197
220	Induction of multipotential hematopoietic progenitors from human pluripotent stem cells via respecification of lineage-restricted precursors. <i>Cell Stem Cell</i> , <b>2013</b> , 13, 459-70	18	190
219	Loci associated with skin pigmentation identified in African populations. <i>Science</i> , <b>2017</b> , 358,	33.3	179
218	Hematopoiesis. <i>Development (Cambridge)</i> , <b>2013</b> , 140, 2463-7	6.6	173
217	Tumor-Derived Extracellular Vesicles Breach the Intact Blood-Brain Barrier Transcytosis. <i>ACS Nano</i> , <b>2019</b> , 13, 13853-13865	16.7	167

216	Loss-of-function mutations in the C9ORF72 mouse ortholog cause fatal autoimmune disease. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 347ra93	17.5	157
215	TIF1gamma controls erythroid cell fate by regulating transcription elongation. <i>Cell</i> , <b>2010</b> , 142, 133-43	56.2	155
214	Use of Zebrafish in Drug Discovery Toxicology. <i>Chemical Research in Toxicology</i> , <b>2020</b> , 33, 95-118	4	145
213	Dynamic Control of Enhancer Repertoires Drives Lineage and Stage-Specific Transcription during Hematopoiesis. <i>Developmental Cell</i> , <b>2016</b> , 36, 9-23	10.2	144
212	Effects of lethal irradiation in zebrafish and rescue by hematopoietic cell transplantation. <i>Blood</i> , <b>2004</b> , 104, 1298-305	2.2	143
211	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> , <b>2005</b> , 102, 13194-9	11.5	138
210	Characterization of embryonic globin genes of the zebrafish. <i>Developmental Biology</i> , <b>2003</b> , 255, 48-61	3.1	136
209	BMP-4-responsive regulation of dorsal-ventral patterning by the homeobox protein Mix.1. <i>Nature</i> , <b>1996</b> , 382, 357-60	50.4	136
208	The major human erythroid DNA-binding protein (GF-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> , <b>1990</b> , 87, 668-72	11.5	136
207	Anticardiolipin antibodies associated with HTLV-III infection. <i>British Journal of Haematology</i> , <b>1987</b> , 65, 495-8	4.5	129
206	A zebrafish embryo culture system defines factors that promote vertebrate myogenesis across species. <i>Cell</i> , <b>2013</b> , 155, 909-921	56.2	123
205	Zebrafish as a model for normal and malignant hematopoiesis. <i>DMM Disease Models and Mechanisms</i> , <b>2011</b> , 4, 433-8	4.1	121
204	T-lymphoblastic lymphoma cells express high levels of BCL2, S1P1, and ICAM1, leading to a blockade of tumor cell intravasation. <i>Cancer Cell</i> , <b>2010</b> , 18, 353-66	24.3	121
203	GATA-binding transcription factors in mast cells regulate the promoter of the mast cell carboxypeptidase A gene. <i>Journal of Biological Chemistry</i> , <b>1991</b> , 266, 22948-53	5.4	120
202	Hematopoietic development in the zebrafish. <i>International Journal of Developmental Biology</i> , <b>2010</b> , 54, 1127-37	1.9	117
201	Zebrafish blood stem cells. <i>Journal of Cellular Biochemistry</i> , <b>2009</b> , 108, 35-42	4.7	112
200	Zebrafish scl functions independently in hematopoietic and endothelial development. <i>Developmental Biology</i> , <b>2005</b> , 277, 522-36	3.1	111
199	A chemical genetic screen for cell cycle inhibitors in zebrafish embryos. <i>Chemical Biology and Drug Design</i> , <b>2006</b> , 68, 213-9	2.9	110

198	High-throughput cell transplantation establishes that tumor-initiating cells are abundant in zebrafish T-cell acute lymphoblastic leukemia. <i>Blood</i> , <b>2010</b> , 115, 3296-303	2.2	103
197	Melanocytes in development, regeneration, and cancer. <i>Cell Stem Cell</i> , <b>2008</b> , 3, 242-52	18	102
196	The zebrafish moonshine gene encodes transcriptional intermediary factor 1gamma, an essential regulator of hematopoiesis. <i>PLoS Biology</i> , <b>2004</b> , 2, E237	9.7	100
195	Oncogenic NRAS cooperates with p53 loss to generate melanoma in zebrafish. <i>Zebrafish</i> , <b>2009</b> , 6, 397-404	9.4	98
194	Hematologic manifestations of the human immune deficiency virus (HIV). <i>Seminars in Hematology</i> , <b>1988</b> , 25, 208-18	4	96
193	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> , <b>2006</b> , 292, 506-18	3.1	94
192	Zebrafish <i>stat3</i> is expressed in restricted tissues during embryogenesis and <i>stat1</i> rescues cytokine signaling in a STAT1-deficient human cell line. <i>Developmental Dynamics</i> , <b>1999</b> , 215, 352-70	2.9	94
191	Zebrafish globin switching occurs in two developmental stages and is controlled by the LCR. <i>Developmental Biology</i> , <b>2012</b> , 366, 185-94	3.1	91
190	Zebrafish: a new model for human disease. <i>Genome Research</i> , <b>1999</b> , 9, 99-100	9.7	91
189	Mutations in <i>QARS</i> , encoding glutamyl-tRNA synthetase, cause progressive microcephaly, cerebral-cerebellar atrophy, and intractable seizures. <i>American Journal of Human Genetics</i> , <b>2014</b> , 94, 547-58	11	87
188	A Quantitative System for Studying Metastasis Using Transparent Zebrafish. <i>Cancer Research</i> , <b>2015</b> , 75, 4272-4282	10.1	85
187	Epoxyeicosatrienoic acids enhance embryonic haematopoiesis and adult marrow engraftment. <i>Nature</i> , <b>2015</b> , 523, 468-71	50.4	82
186	The erythropoietin receptor transmembrane region is necessary for activation by the Friend spleen focus-forming virus gp55 glycoprotein. <i>Molecular and Cellular Biology</i> , <b>1992</b> , 12, 2949-57	4.8	82
185	Regulation of the <i>lmo2</i> promoter during hematopoietic and vascular development in zebrafish. <i>Developmental Biology</i> , <b>2005</b> , 281, 256-69	3.1	81
184	Ultrasound biomicroscopy permits in vivo characterization of zebrafish liver tumors. <i>Nature Methods</i> , <b>2007</b> , 4, 551-3	21.6	79
183	A genetic screen in zebrafish defines a hierarchical network of pathways required for hematopoietic stem cell emergence. <i>Blood</i> , <b>2009</b> , 113, 5776-82	2.2	76
182	Drug discovery for Diamond-Blackfan anemia using reprogrammed hematopoietic progenitors. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	73
181	Zebrafish patient avatars in cancer biology and precision cancer therapy. <i>Nature Reviews Cancer</i> , <b>2020</b> , 20, 263-273	31.3	73

180	The zebrafish granulocyte colony-stimulating factors (Gcsfs): 2 paralogous cytokines and their roles in hematopoietic development and maintenance. <i>Blood</i> , <b>2013</b> , 122, 3918-28	2.2	72
179	Selective microRNA uridylation by Zcchc6 (TUT7) and Zcchc11 (TUT4). <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 11777-91	20.1	70
178	Whole-exome sequencing and functional studies identify RPS29 as a novel gene mutated in multicas Diamond-Blackfan anemia families. <i>Blood</i> , <b>2014</b> , 124, 24-32	2.2	69
177	Human tumor genomics and zebrafish modeling identify loss as a driver of mucosal melanoma. <i>Science</i> , <b>2018</b> , 362, 1055-1060	33.3	69
176	Chemical screening in zebrafish for novel biological and therapeutic discovery. <i>Methods in Cell Biology</i> , <b>2017</b> , 138, 651-679	1.8	66
175	Chamber identity programs drive early functional partitioning of the heart. <i>Nature Communications</i> , <b>2015</b> , 6, 8146	17.4	65
174	Targeting the Senescence-Overriding Cooperative Activity of Structurally Unrelated H3K9 Demethylases in Melanoma. <i>Cancer Cell</i> , <b>2018</b> , 33, 322-336.e8	24.3	64
173	Clonal fate mapping quantifies the number of haematopoietic stem cells that arise during development. <i>Nature Cell Biology</i> , <b>2017</b> , 19, 17-27	23.4	64
172	Adenosine signaling promotes hematopoietic stem and progenitor cell emergence. <i>Journal of Experimental Medicine</i> , <b>2015</b> , 212, 649-63	16.6	63
171	A network of epigenetic regulators guides developmental haematopoiesis in vivo. <i>Nature Cell Biology</i> , <b>2013</b> , 15, 1516-25	23.4	62
170	PD-L1 genetic overexpression or pharmacological restoration in hematopoietic stem and progenitor cells reverses autoimmune diabetes. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	62
169	MED12 Regulates HSC-Specific Enhancers Independently of Mediator Kinase Activity to Control Hematopoiesis. <i>Cell Stem Cell</i> , <b>2016</b> , 19, 784-799	18	60
168	Zebrafish kidney stromal cell lines support multilineage hematopoiesis. <i>Blood</i> , <b>2009</b> , 114, 279-89	2.2	59
167	Retro-orbital injection in adult zebrafish. <i>Journal of Visualized Experiments</i> , <b>2009</b> ,	1.6	58
166	Targeted Application of Human Genetic Variation Can Improve Red Blood Cell Production from Stem Cells. <i>Cell Stem Cell</i> , <b>2016</b> , 18, 73-78	18	57
165	Engineering Hematopoietic Stem Cells: Lessons from Development. <i>Cell Stem Cell</i> , <b>2016</b> , 18, 707-720	18	57
164	mutations cause skeletal dysplasia, immune deficiency, and developmental delay. <i>Journal of Experimental Medicine</i> , <b>2017</b> , 214, 623-637	16.6	54
163	Co-injection strategies to modify radiation sensitivity and tumor initiation in transgenic Zebrafish. <i>Oncogene</i> , <b>2008</b> , 27, 4242-8	9.2	54

162	Stress from Nucleotide Depletion Activates the Transcriptional Regulator HEXIM1 to Suppress Melanoma. <i>Molecular Cell</i> , <b>2016</b> , 62, 34-46	17.6	52
161	AIBP-mediated cholesterol efflux instructs hematopoietic stem and progenitor cell fate. <i>Science</i> , <b>2019</b> , 363, 1085-1088	33.3	51
160	NOTCH signaling specifies arterial-type definitive hemogenic endothelium from human pluripotent stem cells. <i>Nature Communications</i> , <b>2018</b> , 9, 1828	17.4	51
159	Hematopoietic defects in rps29 mutant zebrafish depend upon p53 activation. <i>Experimental Hematology</i> , <b>2012</b> , 40, 228-237.e5	3.1	51
158	Site-directed zebrafish transgenesis into single landing sites with the phiC31 integrase system. <i>Developmental Dynamics</i> , <b>2013</b> , 242, 949-963	2.9	47
157	A zebrafish model of myelodysplastic syndrome produced through tet2 genomic editing. <i>Molecular and Cellular Biology</i> , <b>2015</b> , 35, 789-804	4.8	45
156	Getting more for your marrow: boosting hematopoietic stem cell numbers with PGE2. <i>Experimental Cell Research</i> , <b>2014</b> , 329, 220-6	4.2	45
155	Clonal analysis of hematopoietic progenitor cells in the zebrafish. <i>Blood</i> , <b>2011</b> , 118, 1274-82	2.2	45
154	Modeling human hematopoietic and cardiovascular diseases in zebrafish. <i>Developmental Dynamics</i> , <b>2003</b> , 228, 568-83	2.9	45
153	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> , <b>2019</b> , 156, 1788-1804.e13	13.3	44
152	Insight into GATA1 transcriptional activity through interrogation of cis elements disrupted in human erythroid disorders. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 4434-9	11.5	43
151	Flow-induced protein kinase A-CREB pathway acts via BMP signaling to promote HSC emergence. <i>Journal of Experimental Medicine</i> , <b>2015</b> , 212, 633-48	16.6	40
150	A novel myeloid-restricted zebrafish CCAAT/enhancer-binding protein with a potent transcriptional activation domain. <i>Blood</i> , <b>2001</b> , 97, 2611-7	2.2	40
149	Modeling Cancer with Flies and Fish. <i>Developmental Cell</i> , <b>2019</b> , 49, 317-324	10.2	39
148	Neural crest development and craniofacial morphogenesis is coordinated by nitric oxide and histone acetylation. <i>Chemistry and Biology</i> , <b>2014</b> , 21, 488-501		39
147	Advanced zebrafish transgenesis with Tol2 and application for Cre/lox recombination experiments. <i>Methods in Cell Biology</i> , <b>2011</b> , 104, 173-94	1.8	39
146	Analysis of hematopoietic development in the zebrafish. <i>Methods in Molecular Medicine</i> , <b>2005</b> , 105, 171-98		39
145	Distinct Roles for Matrix Metalloproteinases 2 and 9 in Embryonic Hematopoietic Stem Cell Emergence, Migration, and Niche Colonization. <i>Stem Cell Reports</i> , <b>2017</b> , 8, 1226-1241	8	38



144	Melanoma biology and the promise of zebrafish. <i>Zebrafish</i> , <b>2008</b> , 5, 247-55	2	38
143	Use of the zebrafish ( <i>Danio rerio</i> ) to define hematopoiesis. <i>Stem Cells</i> , <b>1998</b> , 16, 89-98	5.8	37
142	Long-term drug administration in the adult zebrafish using oral gavage for cancer preclinical studies. <i>DMM Disease Models and Mechanisms</i> , <b>2016</b> , 9, 811-20	4.1	37
141	Zebrafish YAC, BAC, and PAC genomic libraries. <i>Methods in Cell Biology</i> , <b>1999</b> , 60, 235-58	1.8	36
140	From fish bowl to bedside: The power of zebrafish to unravel melanoma pathogenesis and discover new therapeutics. <i>Pigment Cell and Melanoma Research</i> , <b>2017</b> , 30, 402-412	4.5	35
139	Dissection of vertebrate hematopoiesis using zebrafish thrombopoietin. <i>Blood</i> , <b>2014</b> , 124, 220-8	2.2	35
138	Protection from UV light is an evolutionarily conserved feature of the haematopoietic niche. <i>Nature</i> , <b>2018</b> , 558, 445-448	50.4	33
137	The genetic heterogeneity and mutational burden of engineered melanomas in zebrafish models. <i>Genome Biology</i> , <b>2013</b> , 14, R113	18.3	33
136	Zebrafish disease models in drug discovery: from preclinical modelling to clinical trials. <i>Nature Reviews Drug Discovery</i> , <b>2021</b> , 20, 611-628	64.1	33
135	CXCR1 remodels the vascular niche to promote hematopoietic stem and progenitor cell engraftment. <i>Journal of Experimental Medicine</i> , <b>2017</b> , 214, 1011-1027	16.6	32
134	DNA methyltransferase 1 functions through C/ebpa to maintain hematopoietic stem and progenitor cells in zebrafish. <i>Journal of Hematology and Oncology</i> , <b>2015</b> , 8, 15	22.4	32
133	Notch1 acts via Foxc2 to promote definitive hematopoiesis via effects on hemogenic endothelium. <i>Blood</i> , <b>2015</b> , 125, 1418-26	2.2	32
132	Fish to Learn: Insights into Blood Development and Blood Disorders from Zebrafish Hematopoiesis. <i>Human Gene Therapy</i> , <b>2016</b> , 27, 287-94	4.8	32
131	Evolution of the hypoxia-sensitive cells involved in amniote respiratory reflexes. <i>ELife</i> , <b>2017</b> , 6,	8.9	32
130	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> , <b>2017</b> , 100, 51-63	11	30
129	Inflammasome Regulates Hematopoiesis through Cleavage of the Master Erythroid Transcription Factor GATA1. <i>Immunity</i> , <b>2019</b> , 51, 50-63.e5	32.3	30
128	Stromal cell-derived factor-1 and hematopoietic cell homing in an adult zebrafish model of hematopoietic cell transplantation. <i>Blood</i> , <b>2011</b> , 118, 766-74	2.2	29
127	CAT7 and cat7l Long Non-coding RNAs Tune Polycomb Repressive Complex 1 Function during Human and Zebrafish Development. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 19558-72	5.4	26

126	c-myb hyperactivity leads to myeloid and lymphoid malignancies in zebrafish. <i>Leukemia</i> , <b>2017</b> , 31, 222-233	30.7	25
125	Cancer immunotherapy: The dark side of PD-1 receptor inhibition. <i>Nature</i> , <b>2017</b> , 552, 41-42	50.4	25
124	Zebrafish blastomere screen identifies retinoic acid suppression of in adenoid cystic carcinoma. <i>Journal of Experimental Medicine</i> , <b>2018</b> , 215, 2673-2685	16.6	25
123	Massively parallel reporter assays of melanoma risk variants identify MX2 as a gene promoting melanoma. <i>Nature Communications</i> , <b>2020</b> , 11, 2718	17.4	24
122	TiF1-gamma plays an essential role in murine hematopoiesis and regulates transcriptional elongation of erythroid genes. <i>Developmental Biology</i> , <b>2013</b> , 373, 422-30	3.1	24
121	Identifying Novel Cancer Therapies Using Chemical Genetics and Zebrafish. <i>Advances in Experimental Medicine and Biology</i> , <b>2016</b> , 916, 103-24	3.6	24
120	Understanding the regulation of vertebrate hematopoiesis and blood disorders - big lessons from a small fish. <i>FEBS Letters</i> , <b>2016</b> , 590, 4016-4033	3.8	23
119	Specific oxylipins enhance vertebrate hematopoiesis via the receptor GPR132. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 9252-9257	11.5	23
118	Melanoma models for the next generation of therapies. <i>Cancer Cell</i> , <b>2021</b> , 39, 610-631	24.3	23
117	Mutation of kri1l causes definitive hematopoiesis failure via PERK-dependent excessive autophagy induction. <i>Cell Research</i> , <b>2015</b> , 25, 946-62	24.7	22
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