Trista North

List of Publications by Year in descending order

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72 papers	6,659 citations	117625 34 h-index	110387 64 g-index
74 all docs	74 docs citations	74 times ranked	9575 citing authors

#	Article	IF	Citations
1	Metabolic Regulation of Inflammasome Activity Controls Embryonic Hematopoietic Stem and Progenitor Cell Production. Developmental Cell, 2020, 55, 133-149.e6.	7.0	50
2	Estrogen Acts Through Estrogen Receptor 2b to Regulate Hepatobiliary Fate During Vertebrate Development. Hepatology, 2020, 72, 1786-1799.	7.3	6
3	YAP Regulates Hematopoietic Stem Cell Formation in Response to the Biomechanical Forces of Blood Flow. Developmental Cell, 2020, 52, 446-460.e5.	7.0	65
4	Transcriptome Dynamics of Hematopoietic Stem Cell Formation Revealed Using a Combinatorial Runx1 and Ly6a Reporter System. Stem Cell Reports, 2020, 14, 956-971.	4.8	8
5	A systems biology pipeline identifies regulatory networks for stem cell engineering. Nature Biotechnology, 2019, 37, 810-818.	17.5	18
6	Estrogen Activation of G-Proteinâ€“Coupled Estrogen Receptor 1 Regulates Phosphoinositide 3-Kinase and mTOR Signaling to Promote Liver Growth in Zebrafish and Proliferation of HumanÂHepatocytes. Gastroenterology, 2019, 156, 1788-1804.e13.	1.3	69
7	The developmental stage of the hematopoietic niche regulates lineage in MLL-rearranged leukemia. Journal of Experimental Medicine, 2019, 216, 527-538.	8.5	27
8	Reconstruction of complex single-cell trajectories using CellRouter. Nature Communications, 2018, 9, 892.	12.8	78
9	Regulation of embryonic haematopoietic multipotency by EZH1. Nature, 2018, 553, 506-510.	27.8	70
10	A tool compound targeting the core binding factor Runt domain to disrupt binding to CBFÎ² in leukemic cells. Leukemia and Lymphoma, 2018, 59, 2188-2200.	1.3	11
11	Novel Epigenetic Vulnerabilities for Diffuse Large B-Cell Lymphoma. Blood, 2018, 132, 2600-2600.	1.4	1
12	Inflammasome-Mediated Regulation of Hematopoiesis in the Vertebrate Embryo. Blood, 2018, 132, 330-330.	1.4	7
13	Optimized Beta-Globin Expression and Enucleation from Induced Red Blood Cells for In Vitro Modeling of Sickle Cell Disease. Blood, 2018, 132, 2359-2359.	1.4	0
14	Distinct Roles for Matrix Metalloproteinases 2 and 9 in Embryonic Hematopoietic Stem Cell Emergence, Migration, and Niche Colonization. Stem Cell Reports, 2017, 8, 1226-1241.	4.8	50
15	Haematopoietic stem cells show their true colours. Nature Cell Biology, 2017, 19, 10-12.	10.3	3
16	Netting Novel Regulators of Hematopoiesis and Hematologic Malignancies in Zebrafish. Current Topics in Developmental Biology, 2017, 124, 125-160.	2.2	20
17	HIF1Î±-induced PDGFRÎ² signaling promotes developmental HSC production via IL-6 activation. Experimental Hematology, 2017, 46, 83-95.e6.	0.4	27
18	Hematopoietic stem cell development. Methods in Cell Biology, 2017, 138, 165-192.	1.1	22

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19	Endothelialâ€toâ€hematopoietic transition: Notchâ€ing vessels into blood. Annals of the New York Academy of Sciences, 2016, 1370, 97-108.	3.8	14
20	EnaBILEing Growth in the Fetal Liver. Cell Stem Cell, 2016, 18, 427-428.	11.1	1
21	Single-cell transcriptional analysis of normal, aberrant, and malignant hematopoiesis in zebrafish. Journal of Experimental Medicine, 2016, 213, 979-992.	8.5	69
22	Developmental Vitamin D Availability Impacts Hematopoietic Stem Cell Production. Cell Reports, 2016, 17, 458-468.	6.4	97
23	Iterative use of nuclear receptor Nr5a2 regulates multiple stages of liver and pancreas development. Developmental Biology, 2016, 418, 108-123.	2.0	32
24	Enumerating Hematopoietic Stem and Progenitor Cells in Zebrafish Embryos. Methods in Molecular Biology, 2016, 1451, 191-206.	0.9	4
25	Evi1 regulates Notch activation to induce zebrafish hematopoietic stem cell emergence. EMBO Journal, 2016, 35, 2315-2331.	7.8	39
26	Inflammatory signals in HSPC development and homeostasis: Too much ofÂaÂgood thing?. Experimental Hematology, 2016, 44, 908-912.	0.4	14
27	The Central Nervous System Regulates Embryonic HSPC Production via Stress-Responsive Glucocorticoid Receptor Signaling. Cell Stem Cell, 2016, 19, 370-382.	11.1	57
28	Cannabinoid receptor signaling regulates liver development and metabolism. Development (Cambridge), 2016, 143, 609-622.	2.5	47
29	Accumulation of the Vitamin D Precursor Cholecalciferol Antagonizes Hedgehog Signaling to Impair Hemogenic Endothelium Formation. Stem Cell Reports, 2015, 5, 471-479.	4.8	17
30	Cannabinoid Receptor-2 Regulates Embryonic Hematopoietic Stem Cell Development via Prostaglandin E2 and P-Selectin Activity. Stem Cells, 2015, 33, 2596-2612.	3.2	31
31	Repairing quite swimmingly: advances in regenerative medicine using zebrafish. DMM Disease Models and Mechanisms, 2014, 7, 769-776.	2.4	45
32	Oceans of opportunity: Exploring vertebrate hematopoiesis in zebrafish. Experimental Hematology, 2014, 42, 684-696.	0.4	39
33	Inflammatory signaling regulates embryonic hematopoietic stem and progenitor cell production. Genes and Development, 2014, 28, 2597-2612.	5.9	214
34	Inflammatory signaling regulates the number of lymphoid progenitors and HSCs in the embryo. Experimental Hematology, 2014, 42, S5.	0.4	0
35	Serotonergic regulation of hematopoietic stem cell production in the AGM. Experimental Hematology, 2014, 42, S44.	0.4	0
36	Vitamin D regulates hematopoietic stem cell maintenance by two distinct mechanisms. Experimental Hematology, 2014, 42, S13.	0.4	0

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37	Estrogen enhances HSPC production during development and regeneration. Experimental Hematology, 2014, 42, S28.	0.4	0
38	S-Nitrosothiol Signaling Regulates Liver Development and Improves Outcome following Toxic Liver Injury. Cell Reports, 2014, 6, 56-69.	6.4	45
39	Prostaglandin E2 Regulates Liver versus Pancreas Cell-Fate Decisions and Endodermal Outgrowth. Developmental Cell, 2014, 28, 423-437.	7.0	43
40	Estrogen Defines the Dorsal-Ventral Limit of VEGF Regulation to Specify the Location of the Hemogenic Endothelial Niche. Developmental Cell, 2014, 29, 437-453.	7.0	36
41	Teleost growth factor independence (gfi) genes differentially regulate successive waves of hematopoiesis. Developmental Biology, 2013, 373, 431-441.	2.0	30
42	17beta-estradiol has a biphasic effect on the formation of hematopoietic stem cells. Experimental Hematology, 2013, 41, S12.	0.4	1
43	Identification of small molecules for human hepatocyte expansion and iPS differentiation. Nature Chemical Biology, 2013, 9, 514-520.	8.0	230
44	Functional validation of GWAS gene candidates for abnormal liver function during zebrafish liver development. DMM Disease Models and Mechanisms, 2013, 6, 1271-8.	2.4	30
45	Prostaglandin-modulated umbilical cord blood hematopoietic stem cell transplantation. Blood, 2013, 122, 3074-3081.	1.4	280
46	Glucose metabolism impacts the spatiotemporal onset and magnitude of HSC induction in vivo. Blood, 2013, 121, 2483-2493.	1.4	96
47	Estrogens Act As a Dorsal-Ventral Limiting Factor To Pattern The Hematopoietic Stem Cell Niche. Blood, 2013, 122, 465-465.	1.4	0
48	Small molecule screening identifies targetable zebrafish pigmentation pathways. Pigment Cell and Melanoma Research, 2012, 25, 131-143.	3.3	60
49	Rargb regulates organ laterality in a zebrafish model of right atrial isomerism. Developmental Biology, 2012, 372, 178-189.	2.0	32
50	SCFÎ²-TRCP suppresses angiogenesis and thyroid cancer cell migration by promoting ubiquitination and destruction of VEGF receptor 2. Journal of Experimental Medicine, 2012, 209, 1289-1307.	8.5	85
51	Mutation mapping and identification by whole-genome sequencing. Genome Research, 2012, 22, 1541-1548.	5.5	126
52	SCFb-TRCPsuppresses angiogenesis and thyroid cancer cell migration by promoting ubiquitination and destruction of VEGF receptor 2. Journal of Cell Biology, 2012, 197, i12-i12.	5.2	0
53	Vitamin D3 Modulates Definitive Hematopoiesis by Two Distinct Mechanisms in the Developing Zebrafish Embryo. Blood, 2012, 120, 763-763.	1.4	0
54	Endoderm Specification, Liver Development, and Regeneration. Methods in Cell Biology, 2011, 101, 205-223.	1.1	10

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55	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.	11.1	250
56	Hematopoietic Stem Cell Development: Using the Zebrafish to Identify the Signaling Networks and Physical Forces Regulating Hematopoiesis. Methods in Cell Biology, 2011, 105, 117-136.	1.1	11
57	FT1050 (16,16-dimethyl Prostaglandin E2)-Enhanced Umbilical Cord Blood Accelerates Hematopoietic Engraftment After Reduced Intensity Conditioning and Double Umbilical Cord Blood Transplantation. Blood, 2011, 118, 653-653.	1.4	11
58	NOTCHing an Arrow at Cord Blood: Translating Stem Cell Knowledge into Clinical Practice. Cell Stem Cell, 2010, 6, 186-187.	11.1	5
59	The Wnt/Î²-Catenin Pathway Is Required for the Development of Leukemia Stem Cells in AML. Science, 2010, 327, 1650-1653.	12.6	675
60	PGE2-regulated wnt signaling and N -acetylcysteine are synergistically hepatoprotective in zebrafish acetaminophen injury. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17315-17320.	7.1	133
61	Topoisomerase IIÎ± Is Required for Embryonic Development and Liver Regeneration in Zebrafish. Molecular and Cellular Biology, 2009, 29, 3746-3753.	2.3	36
62	Genetic Interaction of PGE2 and Wnt Signaling Regulates Developmental Specification of Stem Cells and Regeneration. Cell, 2009, 136, 1136-1147.	28.9	628
63	Hematopoietic Stem Cell Development Is Dependent on Blood Flow. Cell, 2009, 137, 736-748.	28.9	393
64	Molecular association between Î²-catenin degradation complex and Rac guanine exchange factor DOCK4 is essential for Wnt/Î²-catenin signaling. Oncogene, 2008, 27, 5845-5855.	5.9	59
65	APC mutant zebrafish uncover a changing temporal requirement for wnt signaling in liver development. Developmental Biology, 2008, 320, 161-174.	2.0	173
66	Prostaglandin E2: Making More of Your Marrow. Cell Cycle, 2007, 6, 3054-3057.	2.6	43
67	New Waves of Discovery: Modeling Cancer in Zebrafish. Journal of Clinical Oncology, 2007, 25, 2473-2479.	1.6	110
68	Ultrasound biomicroscopy permits in vivo characterization of zebrafish liver tumors. Nature Methods, 2007, 4, 551-553.	19.0	99
69	Prostaglandin E2 regulates vertebrate haematopoietic stem cell homeostasis. Nature, 2007, 447, 1007-1011.	27.8	1,037
70	Ex Vivo Treatment of Human Cord Blood with dmPGE2 Can Safely Increase the Potential for Hematopoietic Engraftment.. Blood, 2007, 110, 1190-1190.	1.4	0
71	Runx1 Is Expressed in Adult Mouse Hematopoietic Stem Cells and Differentiating Myeloid and Lymphoid Cells, But Not in Maturing Erythroid Cells. Stem Cells, 2004, 22, 158-168.	3.2	114
72	Runx1 Expression Marks Long-Term Repopulating Hematopoietic Stem Cells in the Midgestation Mouse Embryo. Immunity, 2002, 16, 661-672.	14.3	523