# Trista North

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/10193705/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 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 | Prostaglandin E2 regulates vertebrate haematopoietic stem cell homeostasis. Nature, 2007, 447, 1007-1011. | 27.8 | 1,037 |
| 2 | The Wnt/Î²-Catenin Pathway Is Required for the Development of Leukemia Stem Cells in AML. Science, 2010, 327, 1650-1653. | 12.6 | 675 |
| 3 | Genetic Interaction of PGE2 and Wnt Signaling Regulates Developmental Specification of Stem Cells and Regeneration. Cell, 2009, 136, 1136-1147. | 28.9 | 628 |
| 4 | Runx1 Expression Marks Long-Term Repopulating Hematopoietic Stem Cells in the Midgestation Mouse Embryo. Immunity, 2002, 16, 661-672. | 14.3 | 523 |
| 5 | Hematopoietic Stem Cell Development Is Dependent on Blood Flow. Cell, 2009, 137, 736-748. | 28.9 | 393 |
| 6 | Prostaglandin-modulated umbilical cord blood hematopoietic stem cell transplantation. Blood, 2013, 122, 3074-3081. | 1.4 | 280 |
| 7 | 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 |
| 8 | Identification of small molecules for human hepatocyte expansion and iPS differentiation. Nature Chemical Biology, 2013, 9, 514-520. | 8.0 | 230 |
| 9 | Inflammatory signaling regulates embryonic hematopoietic stem and progenitor cell production. Genes and Development, 2014, 28, 2597-2612. | 5.9 | 214 |
| 10 | APC mutant zebrafish uncover a changing temporal requirement for wnt signaling in liver development. Developmental Biology, 2008, 320, 161-174. | 2.0 | 173 |
| 11 | 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 |
| 12 | Mutation mapping and identification by whole-genome sequencing. Genome Research, 2012, 22, 1541-1548. | 5.5 | 126 |
| 13 | 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 |
| 14 | New Waves of Discovery: Modeling Cancer in Zebrafish. Journal of Clinical Oncology, 2007, 25, 2473-2479. | 1.6 | 110 |
| 15 | Ultrasound biomicroscopy permits in vivo characterization of zebrafish liver tumors. Nature Methods, 2007, 4, 551-553. | 19.0 | 99 |
| 16 | Developmental Vitamin D Availability Impacts Hematopoietic Stem Cell Production. Cell Reports, 2016, 17, 458-468. | 6.4 | 97 |
| 17 | Glucose metabolism impacts the spatiotemporal onset and magnitude of HSC induction in vivo. Blood, 2013, 121, 2483-2493. | 1.4 | 96 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Reconstruction of complex single-cell trajectories using CellRouter. Nature Communications, 2018, 9, 892. | 12.8 | 78 |
| 20 | Regulation of embryonic haematopoietic multipotency by EZH1. Nature, 2018, 553, 506-510. | 27.8 | 70 |
| 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 | 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 |
| 23 | 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 |
| 24 | Small molecule screening identifies targetable zebrafish pigmentation pathways. Pigment Cell and Melanoma Research, 2012, 25, 131-143. | 3.3 | 60 |
| 25 | 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 |
| 26 | The Central Nervous System Regulates Embryonic HSPC Production via Stress-Responsive Glucocorticoid Receptor Signaling. Cell Stem Cell, 2016, 19, 370-382. | 11.1 | 57 |
| 27 | 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 |
| 28 | Metabolic Regulation of Inflammasome Activity Controls Embryonic Hematopoietic Stem and Progenitor Cell Production. Developmental Cell, 2020, 55, 133-149.e6. | 7.0 | 50 |
| 29 | Cannabinoid receptor signaling regulates liver development and metabolism. Development (Cambridge), 2016, 143, 609-622. | 2.5 | 47 |
| 30 | Repairing quite swimmingly: advances in regenerative medicine using zebrafish. DMM Disease Models and Mechanisms, 2014, 7, 769-776. | 2.4 | 45 |
| 31 | S-Nitrosothiol Signaling Regulates Liver Development and Improves Outcome following Toxic Liver Injury. Cell Reports, 2014, 6, 56-69. | 6.4 | 45 |
| 32 | Prostaglandin E2: Making More of Your Marrow. Cell Cycle, 2007, 6, 3054-3057. | 2.6 | 43 |
| 33 | Prostaglandin E2 Regulates Liver versus Pancreas Cell-Fate Decisions and Endodermal Outgrowth. Developmental Cell, 2014, 28, 423-437. | 7.0 | 43 |
| 34 | Oceans of opportunity: Exploring vertebrate hematopoiesis in zebrafish. Experimental Hematology, 2014, 42, 684-696. | 0.4 | 39 |
| 35 | Evi1 regulates Notch activation to induce zebrafish hematopoietic stem cell emergence. EMBO Journal, 2016, 35, 2315-2331. | 7.8 | 39 |
| 36 | Topoisomerase IIÎ± Is Required for Embryonic Development and Liver Regeneration in Zebrafish. Molecular and Cellular Biology, 2009, 29, 3746-3753. | 2.3 | 36 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | 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 |
| 38 | Rargb regulates organ laterality in a zebrafish model of right atrial isomerism. Developmental Biology, 2012, 372, 178-189. | 2.0 | 32 |
| 39 | Iterative use of nuclear receptor Nr5a2 regulates multiple stages of liver and pancreas development. Developmental Biology, 2016, 418, 108-123. | 2.0 | 32 |
| 40 | 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 |
| 41 | Teleost growth factor independence (gfi) genes differentially regulate successive waves of hematopoiesis. Developmental Biology, 2013, 373, 431-441. | 2.0 | 30 |
| 42 | 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 |
| 43 | HIF1Î±-induced PDGFRÎ² signaling promotes developmental HSC production via IL-6 activation. Experimental Hematology, 2017, 46, 83-95.e6. | 0.4 | 27 |
| 44 | The developmental stage of the hematopoietic niche regulates lineage in MLL-rearranged leukemia. Journal of Experimental Medicine, 2019, 216, 527-538. | 8.5 | 27 |
| 45 | Hematopoietic stem cell development. Methods in Cell Biology, 2017, 138, 165-192. | 1.1 | 22 |
| 46 | Netting Novel Regulators of Hematopoiesis and Hematologic Malignancies in Zebrafish. Current Topics in Developmental Biology, 2017, 124, 125-160. | 2.2 | 20 |
| 47 | A systems biology pipeline identifies regulatory networks for stem cell engineering. Nature Biotechnology, 2019, 37, 810-818. | 17.5 | 18 |
| 48 | 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 |
| 49 | Endothelialâ€toâ€hematopoietic transition: Notchâ€ing vessels into blood. Annals of the New York Academy of Sciences, 2016, 1370, 97-108. | 3.8 | 14 |
| 50 | Inflammatory signals in HSPC development and homeostasis: Too much ofÂaÂgood thing?. Experimental Hematology, 2016, 44, 908-912. | 0.4 | 14 |
| 51 | 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 |
| 52 | 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 |
| 53 | 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 |
| 54 | Endoderm Specification, Liver Development, and Regeneration. Methods in Cell Biology, 2011, 101, 205-223. | 1.1 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | 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 |
| 56 | Inflammasome-Mediated Regulation of Hematopoiesis in the Vertebrate Embryo. Blood, 2018, 132, 330-330. | 1.4 | 7 |
| 57 | Estrogen Acts Through Estrogen Receptor 2b to Regulate Hepatobiliary Fate During Vertebrate Development. Hepatology, 2020, 72, 1786-1799. | 7.3 | 6 |
| 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 | Enumerating Hematopoietic Stem and Progenitor Cells in Zebrafish Embryos. Methods in Molecular Biology, 2016, 1451, 191-206. | 0.9 | 4 |
| 60 | Haematopoietic stem cells show their true colours. Nature Cell Biology, 2017, 19, 10-12. | 10.3 | 3 |
| 61 | 17beta-estradiol has a biphasic effect on the formation of hematopoietic stem cells. Experimental Hematology, 2013, 41, S12. | 0.4 | 1 |
| 62 | EnaBILEing Growth in the Fetal Liver. Cell Stem Cell, 2016, 18, 427-428. | 11.1 | 1 |
| 63 | Novel Epigenetic Vulnerabilities for Diffuse Large B-Cell Lymphoma. Blood, 2018, 132, 2600-2600. | 1.4 | 1 |
| 64 | Inflammatory signaling regulates the number of lymphoid progenitors and HSCs in the embryo. Experimental Hematology, 2014, 42, S5. | 0.4 | 0 |
| 65 | Serotonergic regulation of hematopoietic stem cell production in the AGM. Experimental Hematology, 2014, 42, S44. | 0.4 | 0 |
| 66 | Vitamin D regulates hematopoietic stem cell maintenance by two distinct mechanisms. Experimental Hematology, 2014, 42, S13. | 0.4 | 0 |
| 67 | Estrogen enhances HSPC production during development and regeneration. Experimental Hematology, 2014, 42, S28. | 0.4 | 0 |
| 68 | 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 |
| 69 | 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 |
| 70 | Vitamin D3 Modulates Definitive Hematopoiesis by Two Distinct Mechanisms in the Developing Zebrafish Embryo. Blood, 2012, 120, 763-763. | 1.4 | 0 |
| 71 | Estrogens Act As a Dorsal-Ventral Limiting Factor To Pattern The Hematopoietic Stem Cell Niche. Blood, 2013, 122, 465-465. | 1.4 | 0 |
| 72 | 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 |