Nicolas Pineault

List of Publications by Year
in descending order

58 papers	1,773 citations	331538 21 h-index	265120 42 g-index
58 all docs	58 docs citations	58 times ranked	2212 citing authors

#	Article	IF	Citations
1	Differential expression of Hox, Meis1, and Pbx1 genes in primitive cells throughout murine hematopoietic ontogeny. Experimental Hematology, 2002, 30, 49-57.	0.2	247
2	A Dual Role for Src Homology 2 Domainâ€"Containing Inositol-5-Phosphatase (Ship) in Immunity. Journal of Experimental Medicine, 2000, 191, 781-794.	4.2	146
3	Loss-of-function Additional sex combs like 1 mutations disrupt hematopoiesis but do not cause severe myelodysplasia or leukemia. Blood, 2010, 115, 38-46.	0.6	141
4	Induction of acute myeloid leukemia in mice by the human leukemia-specific fusion gene NUP98-HOXD13 in concert with Meis1. Blood, 2003, 101, 4529-4538.	0.6	136
5	Advances in umbilical cord blood stem cell expansion and clinical translation. Experimental Hematology, 2015, 43, 498-513.	0.2	100
6	Differential and Common Leukemogenic Potentials of Multiple NUP98-Hox Fusion Proteins Alone or with Meis1. Molecular and Cellular Biology, 2004, 24, 1907-1917.	1.1	92
7	In Vitro Megakaryocyte Production and Platelet Biogenesis: State of the Art. Transfusion Medicine Reviews, 2010, 24, 33-43.	0.9	85
8	Efficient in vitro megakaryocyte maturation using cytokine cocktails optimized by statistical experimental design. Experimental Hematology, 2005, 33, 1182-1191.	0.2	78
9	HoxGenes: From Leukemia to Hematopoietic Stem Cell Expansion. Annals of the New York Academy of Sciences, 2005, 1044, 109-116.	1.8	72
10	Functional Cloning and Characterization of a Novel Nonhomeodomain Protein That Inhibits the Binding of PBX1-HOX Complexes to DNA. Journal of Biological Chemistry, 2000, 275, 26172-26177.	1.6	55
11	Near-maximal expansions of hematopoietic stem cells in culture using NUP98-HOX fusions. Experimental Hematology, 2007, 35, 817-830.	0.2	54
12	Candidate Genes for Expansion and Transformation of Hematopoietic Stem Cells by NUP98-HOX Fusion Genes. PLoS ONE, 2007, 2, e768.	1.1	53
13	Huntingtin is required for normal hematopoiesis. Human Molecular Genetics, 2000, 9, 387-394.	1.4	40
14	Individual and synergistic cytokine effects controlling the expansion of cord blood CD34+ cells and megakaryocyte progenitors in culture. Cytotherapy, 2011, 13, 467-480.	0.3	37
15	Effects of extracellular matrix proteins on the growth of haematopoietic progenitor cells. Biomedical Materials (Bristol), 2011, 6, 055011.	1.7	37
16	Polyploid megakaryocytes can complete cytokinesis. Cell Cycle, 2010, 9, 2589-2599.	1.3	33
17	Small-Molecule Ice Recrystallization Inhibitors Improve the Post-Thaw Function of Hematopoietic Stem and Progenitor Cells. ACS Omega, 2016, 1, 1010-1018.	1.6	33
18	Increased production of megakaryocytes near purity from cord blood CD34+ cells using a short two-phase culture system. Journal of Immunological Methods, 2008, 332, 82-91.	0.6	32

#	Article	IF	Citations
19	Characterization of the Effects and Potential Mechanisms Leading to Increased Megakaryocytic Differentiation Under Mild Hyperthermia. Stem Cells and Development, 2008, 17, 483-494.	1.1	31
20	Irradiated mesenchymal stem cells improve the ex vivo expansion of hematopoietic progenitors by partly mimicking the bone marrow endosteal environment. Journal of Immunological Methods, 2011, 370, 93-103.	0.6	29
21	Megakaryocyte and Platelet Production from Human Cord Blood Stem Cells. Methods in Molecular Biology, 2012, 788, 219-247.	0.4	27
22	Insulin-like growth factor binding protein-2 and neurotrophin 3 synergize together to promote the expansion of hematopoietic cells ex vivo. Cytokine, 2012, 58, 327-331.	1.4	21
23	Single-cell level analysis of megakaryocyte growth and development. Differentiation, 2012, 83, 200-209.	1.0	18
24	Medium conditioned with mesenchymal stromal cellâ€“derived osteoblasts improves the expansion and engraftment properties of cord blood progenitors. Experimental Hematology, 2014, 42, 741-752.e1.	0.2	17
25	Current and Future Perspectives for the Cryopreservation of Cord Blood Stem Cells. Transfusion Medicine Reviews, 2021, 35, 95-102.	0.9	15
26	Human Bone Marrow Mesenchymal Stromal Cell-Derived Osteoblasts Promote the Expansion of Hematopoietic Progenitors Through Beta-Catenin and Notch Signaling Pathways. Stem Cells and Development, 2017, 26, 1735-1748.	1.1	14
27	Inhibition of ice recrystallization during cryopreservation of cord blood grafts improves platelet engraftment. Transfusion, 2020, 60, 769-778.	0.8	14
28	Multi-laboratory assay for harmonization of enumeration of viable CD34+ and CD45+ cells in frozen cord blood units. Cytotherapy, 2020, 22, 44-51.	0.3	12
29	Comparison of promoter activities for efficient expression into human B cells and haematopoietic progenitors with adenovirus Ad5/F35. Journal of Immunological Methods, 2007, 322, 118-127.	0.6	11
30	Development and testing of a stepwise thaw and dilute protocol for cryopreserved umbilical cord blood units. Transfusion, 2017, 57, 1744-1754.	0.8	10
31	Cellularâ€based therapies to prevent or reduce thrombocytopenia. Transfusion, 2011, 51, 72S-81S.	0.8	9
32	Cotransplantation of Ex Vivo Expanded Progenitors with Nonexpanded Cord Blood Cells Improves Platelet Recovery. Stem Cells and Development, 2012, 21, 3209-3219.	1.1	9
33	Megakaryopoiesis and <i>ex vivo</i> differentiation of stem cells into megakaryocytes and platelets. ISBT Science Series, 2015, 10, 154-162.	1.1	9
34	Dimethyl sulfoxide-free cryopreservation solutions for hematopoietic stem cell grafts. Cytotherapy, 2021, , 1376.	0.3	9
35	Persistence of CRISPR/Cas9 Gene Edited Hematopoietic StemÂCells Following Transplantation: A Systematic Review andÂMeta-Analysis of Preclinical Studies. Stem Cells Translational Medicine, 2021, 10, 996-1007.	1.6	8
36	Paracrine Factors Released by Osteoblasts Provide Strong Platelet Engraftment Properties. Stem Cells, 2019, 37, 345-356.	1.4	7

#	Article	IF	Citations
37	Transient warming affects potency of cryopreserved cord blood units. Cytotherapy, 2020, 22, 690-697.	0.3	6
38	Use of CRISPR/Cas9 gene editing to improve chimeric antigen-receptor T cell therapy: A systematic review and meta-analysis of preclinical studies. Cytotherapy, 2022, 24, 405-412.	0.3	6
39	Impact of osteoblast maturation on their paracrine growth enhancing activity on cord blood progenitors. European Journal of Haematology, 2017, 98, 542-552.	1.1	5
40	Characterization of the growth modulatory activities of osteoblast conditioned media on cord blood progenitor cells. Cytotechnology, 2016, 68, 2257-2269.	0.7	4
41	Intersecting Worlds of Transfusion and Transplantation Medicine: An International Symposium Organized by the Canadian Blood Services Centre for Innovation. Transfusion Medicine Reviews, 2017, 31, 183-192.	0.9	4
42	Multi-Log Clonal Ex-Vivo Expansion of Long Term Lympho-Myeloid Hematopoietic Stem Cells by Nup98-Hox Fusion Genes.. Blood, 2004, 104, 153-153.	0.6	2
43	Characterization of the Impact of Culture on the Thrombopoietic Potential of Cord Blood Progenitors.. Blood, 2010, 116, 3710-3710.	0.6	2
44	Young maybe, but surely not immature. Blood, 2011, 117, 3940-3941.	0.6	1
45	The Ice Recrystalization Inhibitor 2FA Increases the Engraftment Activities of Cord Blood Stem and Progenitor Cells. Experimental Hematology, 2018, 64, S74.	0.2	1
46	Multicenter evaluation of the ILâ€3â€pSTAT5 assay to assess the potency of cryopreserved stem cells from cord blood units: The BEST Collaborative study. Transfusion, 2022, 62, 1595-1601.	0.8	1
47	Overcoming the deceptively low viability of CD45 + cells in thawed cord blood unit segments. Vox Sanguinis, 2019, 114, 876-883.	0.7	0
48	Insights Into the Hematopoietic Regulatory Activities of Osteoblast by Secretomics. Proteomics, 2020, 20, 2000036.	1.3	0
49	The Leukemogenic Potential of the NUP98-PMX1 Fusion Protein Is Independent of the Known Binding Properties of PMX1 to the Serum Response Factor and the Serum Response Element and Requires the NUP98 Sequences.. Blood, 2004, 104, 1968-1968.	0.6	0
50	FLT3 Expression Is Increased by MEIS1 and Collaborates with NUP98-HOX Fusion Genes in the Induction of Acute Myeloid Leukemia.. Blood, 2004, 104, 2552-2552.	0.6	0
51	Redundant Leukemogenicity of NUP98-HOX Fusion Genes in Primary Murine Bone Marrow Cells Correlates with Gene Expression Changes Consistent with Common Key Target Genes.. Blood, 2004, 104, 1134-1134.	0.6	0
52	Optimization of a Cytokine Cocktail for the Expansion of Cord Blood (CB) CD34+ Cells into Megakaryocytes (MK) Progenitors towards the Ex Vivo Production of Platelets.. Blood, 2006, 108, 1673-1673.	0.6	0
53	Identification of the Mechanisms Responsible for the Increased Megakaryopoiesis at 39Â°C.. Blood, 2006, 108, 1128-1128.	0.6	0
54	Optimization of a Cytokine Cocktail for the Expansion of Cord Blood CD34+ Cells into Megakaryocytes Progenitors.. Blood, 2007, 110, 4041-4041.	0.6	0

#	Article	IF	Citations
55	Characterization of the Hematopoietic Supporting Activity of Osteoblasts Derived from Bone Marrow Mesenchymal Stromal Cells. Blood, 2014, 124, 4358-4358.	0.6	0
56	Conditioned Medium Represents a Useful Solution to Increase the Expansion of Multipotent Progenitors with Strong Platelet Engraftment Activity. Blood, 2015, 126, 4276-4276.	0.6	0
57	Stringent Small Molecule Dose Requirements for the Optimal Expansion of Hematopoietic Stem Cells Revealed By Predictive Analytics and Xenotransplants. Blood, 2019, 134, 1185-1185.	0.6	0
58	Rapid potency assessment of autologous peripheral blood stem cells by intracellular flow cytometry: the PBSC-IL-3-pSTAT5 assay. Cytotherapy, 2022, , .	0.3	0