Andre Larochelle

List of Publications by Citations

54 papers	2,533 citations	22 h-index	50 g-index
57 ext. papers	2,833 ext. citations	7.8 avg, IF	4.4 L-index

#	Paper	IF	Citations
54	Identification of primitive human hematopoietic cells capable of repopulating NOD/SCID mouse bone marrow: implications for gene therapy. *Nature Medicine*, **1996**, 2, 1329-37	50.5	709
53	Eltrombopag Added to Standard Immunosuppression for Aplastic Anemia. *New England Journal of Medicine*, **2017**, 376, 1540-1550	59.2	249
52	AMD3100 mobilizes hematopoietic stem cells with long-term repopulating capacity in nonhuman primates. *Blood*, **2006**, 107, 3772-8	2.2	169
51	Rapid mobilization of hematopoietic progenitors by AMD3100 and catecholamines is mediated by CXCR4-dependent SDF-1 release from bone marrow stromal cells. *Leukemia*, **2011**, 25, 1286-1296	10.7	158
50	Differential Maintenance of Primitive Human SCID-Repopulating Cells, Clonogenic Progenitors, and Long-Term Culture-Initiating Cells After Incubation on Human Bone Marrow Stromal Cells. *Blood*, **1997**, 90, 641-650	2.2	140
49	Molecular characterisation of side population cells with cancer stem cell-like characteristics in small-cell lung cancer. *British Journal of Cancer*, **2010**, 102, 1636-44	8.7	127
48	Intercellular transfer to signalling endosomes regulates an ex vivo bone marrow niche. *Nature Cell Biology*, **2009**, 11, 303-11	23.4	81
47	Engraftment of immune-deficient mice with primitive hematopoietic cells from beta-thalassemia and sickle cell anemia patients: implications for evaluating human gene therapy protocols. *Human Molecular Genetics*, **1995**, 4, 163-72	5.6	79
46	Hematopoietic stem-cell behavior in nonhuman primates. *Blood*, **2007**, 110, 1806-13	2.2	65
45	Mobilization as a preparative regimen for hematopoietic stem cell transplantation. *Blood*, **2006**, 107, 3764-71	2.2	61
44	Treatment optimization and genomic outcomes in refractory severe aplastic anemia treated with eltrombopag. *Blood*, **2019**, 133, 2575-2585	2.2	48
43	Eltrombopag maintains human hematopoietic stem and progenitor cells under inflammatory conditions mediated by IFN-□*Blood*, **2019**, 133, 2043-2055	2.2	47
42	Development of an inducible caspase-9 safety switch for pluripotent stem cell-based therapies. *Molecular Therapy - Methods and Clinical Development*, **2014**, 1, 14053	6.4	47
41	In vivo selection of hematopoietic progenitor cells and temozolomide dose intensification in rhesus macaques through lentiviral transduction with a drug resistance gene. *Journal of Clinical Investigation*, **2009**, 119, 1952-63	15.9	45
40	Sustained high-level polyclonal hematopoietic marking and transgene expression 4 years after autologous transplantation of rhesus macaques with SIV lentiviral vector-transduced CD34+ cells. *Blood*, **2009**, 113, 5434-43	2.2	43
39	Bone marrow homing and engraftment of human hematopoietic stem and progenitor cells is mediated by a polarized membrane domain. *Blood*, **2012**, 119, 1848-55	2.2	42
38	Long term maintenance of myeloid leukemic stem cells cultured with unrelated human mesenchymal stromal cells. *Stem Cell Research*, **2015**, 14, 95-104	1.6	41

37	Human and rhesus macaque hematopoietic stem cells cannot be purified based only on SLAM family markers. *Blood*, **2011**, 117, 1550-4	2.2	41
36	Functional Niche Competition Between Normal Hematopoietic Stem and Progenitor Cells and Myeloid Leukemia Cells. *Stem Cells*, **2015**, 33, 3635-42	5.8	35
35	Commensal microbiota drive the functional diversification of colon macrophages. *Mucosal Immunology*, **2020**, 13, 216-229	9.2	33
34	Genetic manipulation of hematopoietic stem cells. *Seminars in Hematology*, **2004**, 41, 257-71	4	25
33	Hematopoietic stem cell gene therapy: dead or alive?. *Trends in Biotechnology*, **2005**, 23, 589-97	15.1	22
32	Ex vivo expansion of retrovirally transduced primate CD34+ cells results in overrepresentation of clones with MDS1/EVI1 insertion sites in the myeloid lineage after transplantation. *Molecular Therapy*, **2010**, 18, 1633-9	11.7	19
31	Preliminary evaluation of a highly automated instrument for the selection of CD34+ cells from mobilized peripheral blood stem cell concentrates. *Transfusion*, **2016**, 56, 511-7	2.9	19
30	Comparison of retroviral transduction efficiency in CD34+ cells derived from bone marrow versus G-CSF-mobilized or G-CSF plus stem cell factor-mobilized peripheral blood in nonhuman primates. *Stem Cells*, **2004**, 22, 1062-9	5.8	17
29	Hematopoietic stem cell gene therapy:assessing the relevance of preclinical models. *Seminars in Hematology*, **2013**, 50, 101-30	4	16
28	Human hematopoietic stem cells from mobilized peripheral blood can be purified based on CD49f integrin expression. *Blood*, **2015**, 126, 1631-3	2.2	16
27	Robust generation of erythroid and multilineage hematopoietic progenitors from human iPSCs using a scalable monolayer culture system. *Stem Cell Research*, **2019**, 41, 101600	1.6	15
26	Transduction of rhesus macaque hematopoietic stem and progenitor cells with avian sarcoma and leukosis virus vectors. *Human Gene Therapy*, **2007**, 18, 691-700	4.8	15
25	Highly multiplexed proteomic assessment of human bone marrow in acute myeloid leukemia. *Blood Advances*, **2020**, 4, 367-379	7.8	15
24	Transient silencing of PTEN in human CD34(+) cells enhances their proliferative potential and ability to engraft immunodeficient mice. *Experimental Hematology*, **2012**, 40, 84-91	3.1	12
23	Eltrombopag promotes DNA repair in human hematopoietic stem and progenitor cells. *Experimental Hematology*, **2019**, 73, 1-6.e6	3.1	10
22	Production and purification of high-titer foamy virus vector for the treatment of leukocyte adhesion deficiency. *Molecular Therapy - Methods and Clinical Development*, **2016**, 3, 16004	6.4	9
21	Generation of red blood cells in vitro: monitoring the process for improved efficiency. *Cytotherapy*, **2013**, 15, 1043-5	4.8	6
20	Eltrombopag combined with cyclosporine may have an effect on very severe aplastic anemia. *Annals of Hematology*, **2019**, 98, 2009-2011	3	5

19	Differential Maintenance of Primitive Human SCID-Repopulating Cells, Clonogenic Progenitors, and Long-Term Culture-Initiating Cells After Incubation on Human Bone Marrow Stromal Cells. *Blood*, **1997**, 90, 641-650	2.2	5
18	Genome editing in human hematopoietic stem and progenitor cells via CRISPR-Cas9-mediated homology-independent targeted integration. *Molecular Therapy*, **2021**, 29, 1611-1624	11.7	5
17	Repetitive busulfan administration after hematopoietic stem cell gene therapy associated with a dominant HDAC7 clone in a nonhuman primate. *Human Gene Therapy*, **2010**, 21, 695-703	4.8	4
16	HOXB4 and retroviral vectors: adding fuel to the fire. *Journal of Clinical Investigation*, **2008**, 118, 1350-3	15.9	4
15	Advances and Obstacles in Homology-Mediated Gene Editing of Hematopoietic Stem Cells. *Journal of Clinical Medicine*, **2021**, 10,	5.1	4
14	No impact of lentiviral transduction on hematopoietic stem/progenitor cell telomere length or gene expression in the rhesus macaque model. *Molecular Therapy*, **2014**, 22, 52-8	11.7	3
13	CD9 up-regulation on CD34+ cells with ingenol 3,20-dibenzoate does not improve homing in NSG mice. *Blood*, **2011**, 117, 5774-6	2.2	3
12	NOTCH-mediated ex□vivo expansion of human hematopoietic stem and progenitor cells by culture under hypoxia. *Stem Cell Reports*, **2021**, 16, 2336-2350	8	3
11	Robust Selections of Various Hematopoietic Cell Fractions on the CliniMACS Plus Instrument. *Clinical Hematology International*, **2019**, 1, 161-167	1.8	2
10	Eltrombopag Improves Erythroid Differentiation in a Human Induced Pluripotent Stem Cell Model of Diamond Blackfan Anemia. *Cells*, **2021**, 10,	7.9	2
9	Human Hematopoiesis in SCID Mice. *Medical Intelligence Unit*, **1995**, 197-212		1
8	Genome-Wide Analysis of Off-Target CRISPR/Cas9 Activity in Single-Cell-Derived Human Hematopoietic Stem and Progenitor Cell Clones. *Genes*, **2020**, 11,	4.2	1
7	Cord blood culture in hypoxia: making the cells feel at home. *Cytotherapy*, **2012**, 14, 900-1	4.8	
6	IFN-□directly inhibits the activity of erythropoietin in human erythroid progenitors. *Blood Cells, Molecules, and Diseases*, **2020**, 85, 102488	2.1	
5	Repetitive Busulfan Administration Induces Emergence of Dominant and Expanding Hematopoietic Clones with Retroviral Vector Insertion in Rhesus Macaques. *Blood*, **2008**, 112, 3524-3524	2.2	
4	Culture of Mobilized Human CD34+ Cells in Hypoxic Conditions Improves Lentiviral Transduction Efficiency in SCID-Repopulating Cells. *Blood*, **2008**, 112, 3545-3545	2.2	
3	siRNA-Induced Transient Silencing of PTEN Expression Enhances Human Hematopoietic Cell Engraftment in NOD/SCID/□null Mice and Increases Gene Transduction Efficiency.. *Blood*, **2008**, 112, 2329-2329	2.2	
2	Human and Rhesus Macaque Hematopoietic Stem Cells Are Not Enriched in the CD150+CD48-SLAM Population.. *Blood*, **2009**, 114, 3531-3531	2.2	

List of Publications

1 Mobilization for Gene Therapy **2012**, 457-485