Petter S Woll

List of Publications by Year
in descending order

57 papers	4,644 citations	185998 28 h-index	189595 50 g-index
60 all docs	60 docs citations	60 times ranked	7483 citing authors

#	Article	IF	Citations
1	Coexistence of LMPP-like and GMP-like Leukemia Stem Cells in Acute Myeloid Leukemia. Cancer Cell, 2011, 19, 138-152.	7.7	545
2	Platelet-biased stem cells reside at the apex of the haematopoietic stem-cell hierarchy. Nature, 2013, 502, 232-236.	13.7	493
3	Single-cell transcriptomics uncovers distinct molecular signatures of stem cells in chronic myeloid leukemia. Nature Medicine, 2017, 23, 692-702.	15.2	336
4	Myelodysplastic Syndromes Are Propagated by Rare and Distinct Human Cancer Stem Cells InÂVivo. Cancer Cell, 2014, 25, 794-808.	7.7	272
5	Hierarchically related lineage-restricted fates of multipotent haematopoietic stem cells. Nature, 2018, 554, 106-111.	13.7	269
6	Persistent Malignant Stem Cells in del(5q) Myelodysplasia in Remission. New England Journal of Medicine, 2010, 363, 1025-1037.	13.9	236
7	Human embryonic stem cells differentiate into a homogeneous population of natural killer cells with potent in vivo antitumor activity. Blood, 2009, 113, 6094-6101.	0.6	231
8	Lymphomyeloid Contribution of an Immune-Restricted Progenitor Emerging Prior to Definitive Hematopoietic Stem Cells. Cell Stem Cell, 2013, 13, 535-548.	5.2	225
9	Human Embryonic Stem Cell-Derived NK Cells Acquire Functional Receptors and Cytolytic Activity. Journal of Immunology, 2005, 175, 5095-5103.	0.4	198
10	Distinct myeloid progenitorâ€“differentiation pathways identified through single-cell RNA sequencing. Nature Immunology, 2016, 17, 666-676.	7.0	188
11	Hematopoietic Engraftment of Human Embryonic Stem Cell-Derived Cells Is Regulated by Recipient Innate Immunity. Stem Cells, 2006, 24, 1370-1380.	1.4	164
12	Wnt signaling promotes hematoendothelial cell development from human embryonic stem cells. Blood, 2008, 111, 122-131.	0.6	161
13	The earliest thymic T cell progenitors sustain B cell and myeloid lineage potential. Nature Immunology, 2012, 13, 412-419.	7.0	132
14	Autophagy limits proliferation and glycolytic metabolism in acute myeloid leukemia. Cell Death Discovery, 2015, 1, .	2.0	125
15	Efficient and Stable Transgene Expression in Human Embryonic Stem Cells Using Transposon-Mediated Gene Transfer. Stem Cells, 2007, 25, 2919-2927.	1.4	111
16	Integrative Genomics Identifies the Molecular Basis of Resistance to Azacitidine Therapy in Myelodysplastic Syndromes. Cell Reports, 2017, 20, 572-585.	2.9	99
17	SF3B1-initiating mutations in MDS-RSs target lymphomyeloid hematopoietic stem cells. Blood, 2017, 130, 881-890.	0.6	66
18	Differences in lymphocyte developmental potential between human embryonic stem cell and umbilical cord bloodâ€“derived hematopoietic progenitor cells. Blood, 2008, 112, 2730-2737.	0.6	62

#	Article	IF	Citations
19	FLT3 expression initiates in fully multipotent mouse hematopoietic progenitor cells. Blood, 2011, 118, 1544-1548.	0.6	62
20	An animal model mimicking pedunculopontine nucleus cholinergic degeneration in Parkinsonâ€™s disease. Brain Structure and Function, 2015, 220, 479-500.	1.2	49
21	Initial seeding of the embryonic thymus by immune-restricted lympho-myeloid progenitors. Nature Immunology, 2016, 17, 1424-1435.	7.0	49
22	Clonal variegation and dynamic competition of leukemia-initiating cells in infant acute lymphoblastic leukemia with MLL rearrangement. Leukemia, 2015, 29, 38-50.	3.3	48
23	InÂVivo Labeling by CD73 Marks Multipotent Stromal Cells and Highlights Endothelial Heterogeneity in the Bone Marrow Niche. Cell Stem Cell, 2018, 22, 262-276.e7.	5.2	47
24	Quiescent leukaemic cells account for minimal residual disease in childhood lymphoblastic leukaemia. Leukemia, 2013, 27, 1204-1207.	3.3	45
25	Niche-mediated depletion of the normal hematopoietic stem cell reservoir by Flt3-ITDâ€“induced myeloproliferation. Journal of Experimental Medicine, 2017, 214, 2005-2021.	4.2	43
26	Impact of isolated germline JAK2V617I mutation on human hematopoiesis. Blood, 2013, 121, 4156-4165.	0.6	42
27	FLT3-ITDs Instruct a Myeloid Differentiation and Transformation Bias in Lymphomyeloid Multipotent Progenitors. Cell Reports, 2013, 3, 1766-1776.	2.9	40
28	Progression in patients with low- and intermediate-1-risk del(5q) myelodysplastic syndromes is predicted by a limited subset of mutations. Haematologica, 2017, 102, 498-508.	1.7	34
29	Macrophage colony-stimulating factor receptor marks and regulates a fetal myeloid-primed B-cell progenitor in mice. Blood, 2016, 128, 217-226.	0.6	29
30	Mapping the <scp>CLEC</scp>12A expression on myeloid progenitors in normal bone marrow; implications for understanding <scp>CLEC</scp>12Aâ€related cancer stem cell biology. Journal of Cellular and Molecular Medicine, 2018, 22, 2311-2318.	1.6	29
31	GATA3 is redundant for maintenance and self-renewal of hematopoietic stem cells. Blood, 2011, 118, 1291-1293.	0.6	23
32	Perturbed hematopoietic stem and progenitor cell hierarchy in myelodysplastic syndromes patients with monosomy 7 as the sole cytogenetic abnormality. Oncotarget, 2016, 7, 72685-72698.	0.8	21
33	Effect of Two Common Polymorphisms in the ATP Binding Cassette Transporter A1 Gene on HDL-Cholesterol Concentration. Clinical Chemistry, 2005, 51, 907-909.	1.5	19
34	Silencing of <scp>ASXL</scp>1 impairs the granulomonocytic lineage potential of human <scp>CD</scp>34⁺ progenitor cells. British Journal of Haematology, 2013, 160, 842-850.	1.2	19
35	Characterization of the Hematopoietic Stem and Progenitor Cell Hierarchy in Myelodysplastic Syndromes Patients with Monosomy 7 As the Sole Cytogenetic Abnormality. Blood, 2014, 124, 3490-3490.	0.6	16
36	Canonical Notch signaling is dispensable for adult steady-state and stress myelo-erythropoiesis. Blood, 2018, 131, 1712-1719.	0.6	14

#	Article	IF	Citations
37	Plasma homocysteine levels in living kidney donors before and after uninephrectomy. Translational Research, 2004, 143, 340-343.	2.4	13
38	A three-dimensional in vitro model of erythropoiesis recapitulates erythroid failure in myelodysplastic syndromes. Leukemia, 2020, 34, 271-282.	3.3	13
39	Aged healthy mice acquire clonal hematopoiesis mutations. Blood, 2022, 139, 629-634.	0.6	13
40	Dicer is selectively important for the earliest stages of erythroid development. Blood, 2012, 120, 2412-2416.	0.6	12
41	T cells targeted to TdT kill leukemic lymphoblasts while sparing normal lymphocytes. Nature Biotechnology, 2022, 40, 488-498.	9.4	12
42	The concept of leukaemic stem cells in acute myeloid leukaemia 25Âyears on: hitting a moving target. British Journal of Haematology, 2019, 187, 144-156.	1.2	7
43	Targeting stem cells in myelodysplastic syndromes and acute myeloid leukemia. Journal of Internal Medicine, 2022, 292, 262-277.	2.7	7
44	Absence of ABCA1 Mutations in Individuals with Low Serum HDL-Cholesterol. Clinical Chemistry, 2003, 49, 521-522.	1.5	6
45	CD34+ Cells Derived from Human Embryonic Stem Cells Demonstrate Hematopoietic Stem Cell Potential In Vitro and in Vivo.. Blood, 2004, 104, 564-564.	0.6	6
46	Characterization of Hematopoietic Progenitor Cells Derived from Human Embryonic Stem Cells That Differentiate into Natural Killer Cells Capable of In Vivo Anti-Tumor Activity.. Blood, 2006, 108, 645-645.	0.6	4
47	Stem cell concepts in myelodysplastic syndromes: lessons and challenges. Journal of Internal Medicine, 2021, 289, 650-661.	2.7	2
48	Integrative Analysis of Primary SF3B1 mt Ring Sideroblasts Provides Fundamental Insights into MDS-RS Pathogenesis and Dyserythropoiesis. Blood, 2021, 138, 146-146.	0.6	2
49	The extent of residual WT HSPCs is associated with the degree of anemia in patients with SF3B1-mutated MDS-RS. Blood Advances, 2022, 6, 4705-4709.	2.5	2
50	NK Cells Derived from Human Embryonic Stem Cells Demonstrate More Effective In Vivo Clearance of Xenografted Human Tumor Cells Compared to NK Cells Derived from Cord Blood.. Blood, 2007, 110, 2745-2745.	0.6	1
51	Germline Activating JAK2 V617I Mutation in a Family with Hereditary Thrombocytosis. Blood, 2011, 118, 1738-1738.	0.6	1
52	Part E: Directed Differentiation of Human Embryonic Stem Cells into Lymphocytes. , 0, , 287-297.		0
53	Human Embryonic Stem Cells Differentiate into Functional Natural Killer Cells with the Capacity To Mediate Anti-Tumor Activity.. Blood, 2005, 106, 763-763.	0.6	0
54	Are the KIR genes actively silenced prior to their tissueâ€specific activation? A KIR intronic promoter produces spliced antisense transcripts in human ES cells. FASEB Journal, 2008, 22, 850.5.	0.2	0

#	Article	IF	Citations
55	The Earliest Thymic T Cell Progenitors Sustain B Cell and Myeloid Lineage Potentials. Blood, 2011, 118, 2335-2335.	0.6	0
56	FLT3-ITDs Introduce a Myeloid Differentiation and Transformation Bias to Multipotent Lympho-Myeloid Progenitors. Blood, 2011, 118, 1380-1380.	0.6	0
57	Identification of a Prognostic Gene Expression Signature for AZA Response in MDS and CMML Patients. Blood, 2014, 124, 4601-4601.	0.6	0