

Susan K Nilsson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103
papers

5,621
citations

40
h-index

74
g-index

118
ext. papers

6,225
ext. citations

5.7
avg, IF

5.26
L-index

#	Paper	IF	Citations
103	Dextran Sulfate-amplified Extracellular Matrix Deposition Promotes Osteogenic Differentiation of Mesenchymal Stem Cells. <i>Acta Biomaterialia</i> , 2021 ,	10.8	2
102	NogoA-expressing astrocytes limit peripheral macrophage infiltration after ischemic brain injury in primates. <i>Nature Communications</i> , 2021 , 12, 6906	17.4	0
101	3D-cardiomics: A spatial transcriptional atlas of the mammalian heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 163, 20-32	5.8	5
100	Nicotinamide riboside attenuates age-associated metabolic and functional changes in hematopoietic stem cells. <i>Nature Communications</i> , 2021 , 12, 2665	17.4	7
99	Bone Marrow Regulatory T Cells Are a Unique Population, Supported by Niche-Specific Cytokines and Plasmacytoid Dendritic Cells, and Required for Chronic Graft-Versus-Host Disease Control. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 737880	5.7	0
98	Potent In Vitro Peptide Antagonists of the Thrombopoietin Receptor as Potential Myelofibrosis Drugs. <i>Advanced Therapeutics</i> , 2021 , 4, 2000241	4.9	
97	A CX3CR1 Reporter hESC Line Facilitates Integrative Analysis of In-Vitro-Derived Microglia and Improved Microglia Identity upon Neuron-Glia Co-culture. <i>Stem Cell Reports</i> , 2020 , 14, 1018-1032	8	9
96	Smad4 promotes diabetic nephropathy by modulating glycolysis and OXPHOS. <i>EMBO Reports</i> , 2020 , 21, e48781	6.5	13
95	The aging hematopoietic stem cell niche. <i>Advances in Stem Cells and Their Niches</i> , 2020 , 1-23	0.2	
94	Glycosylated Nanoparticles Derived from RAFT Polymerization for Effective Drug Delivery to Macrophages.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 5775-5786	4.1	1
93	Reprogramming roadmap reveals route to human induced trophoblast stem cells. <i>Nature</i> , 2020 , 586, 101-107	50.4	38
92	Osteopontin is An Important Regulative Component of the Fetal Bone Marrow Hematopoietic Stem Cell Niche. <i>Cells</i> , 2019 , 8,	7.9	11
91	Mouse Hematopoietic Stem Cell Modification and Labelling by Transduction and Tracking Posttransplantation. <i>Methods in Molecular Biology</i> , 2019 , 1940, 129-142	1.4	
90	Combined Blockade of Smad3 and JNK Pathways Ameliorates Progressive Fibrosis in Folic Acid Nephropathy. <i>Frontiers in Pharmacology</i> , 2019 , 10, 880	5.6	13
89	Illustrated State-of-the-Art Capsules of the ISTH 2019 Congress in Melbourne, Australia. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2019 , 3, 431-497	5.1	5
88	Effector CD4 T cells recognize intravascular antigen presented by patrolling monocytes. <i>Nature Communications</i> , 2018 , 9, 747	17.4	28
87	Effective macrophage delivery using RAFT copolymer derived nanoparticles. <i>Polymer Chemistry</i> , 2018 , 9, 131-137	4.9	7

86	A Combined HSC Transduction/Selection Approach Results in Efficient and Stable Gene Expression in Peripheral Blood Cells in Mice. <i>Molecular Therapy - Methods and Clinical Development</i> , 2018 , 8, 52-64	6.4	23
85	Niche Extracellular Matrix Components and Their Influence on HSC. <i>Journal of Cellular Biochemistry</i> , 2017 , 118, 1984-1993	4.7	32
84	Progress in bio-manufacture of platelets for transfusion. <i>Platelets</i> , 2017 , 28, 649-656	3.6	10
83	New agents in HSC mobilization. <i>International Journal of Hematology</i> , 2017 , 105, 141-152	2.3	33
82	Comprehensive characterization of distinct states of human naive pluripotency generated by reprogramming. <i>Nature Methods</i> , 2017 , 14, 1055-1062	21.6	74
81	Cell Type of Origin Dictates the Route to Pluripotency. <i>Cell Reports</i> , 2017 , 21, 2649-2660	10.6	35
80	Differentiation of human embryonic stem cells to HOXA hemogenic vasculature that resembles the aorta-gonad-mesonephros. <i>Nature Biotechnology</i> , 2016 , 34, 1168-1179	44.5	96
79	Autophagy-dependent regulatory T cells are critical for the control of graft-versus-host disease. <i>JCI Insight</i> , 2016 , 1, e86850	9.9	33
78	Validating Eaton's Hypothesis: Cubane as a Benzene Bioisostere. <i>Angewandte Chemie</i> , 2016 , 128, 3644-3649	3.4	28
77	Validating Eaton's Hypothesis: Cubane as a Benzene Bioisostere. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3580-5	16.4	78
76	MOZ (KAT6A) is essential for the maintenance of classically defined adult hematopoietic stem cells. <i>Blood</i> , 2016 , 128, 2307-2318	2.2	47
75	The role of CD44 in fetal and adult hematopoietic stem cell regulation. <i>Haematologica</i> , 2016 , 101, 26-37	6.6	42
74	Therapeutic targeting and rapid mobilization of endosteal HSC using a small molecule integrin antagonist. <i>Nature Communications</i> , 2016 , 7, 11007	17.4	42
73	Frontispiece: Validating Eaton's Hypothesis: Cubane as a Benzene Bioisostere. <i>Angewandte Chemie - International Edition</i> , 2016 , 55,	16.4	1
72	i-bodies, Human Single Domain Antibodies That Antagonize Chemokine Receptor CXCR4. <i>Journal of Biological Chemistry</i> , 2016 , 291, 12641-12657	5.4	41
71	Haemopedia: An Expression Atlas of Murine Hematopoietic Cells. <i>Stem Cell Reports</i> , 2016 , 7, 571-582	8	61
70	Brief Report: Factors Released by Megakaryocytes Thrombin Cleave Osteopontin to Negatively Regulate Hematopoietic Stem Cells. <i>Stem Cells</i> , 2015 , 33, 2351-7	5.8	15
69	Isolation of murine bone marrow scavenging sinusoidal endothelial cells. <i>Methods in Molecular Biology</i> , 2015 , 1235, 59-71	1.4	5

68	Analyzing hematopoietic stem cell homing, lodgment, and engraftment to better understand the bone marrow niche. <i>Annals of the New York Academy of Sciences</i> , 2014 , 1310, 119-28	6.5	43
67	Design, synthesis and binding properties of a fluorescent α 4 β 1 integrin antagonist and its application as an in vivo probe for bone marrow haemopoietic stem cells. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 965-78	3.9	10
66	FOXP1 (GFP/w) reporter hESCs enable identification of integrin- α 4, HLA-DR, and EpCAM as markers of human PSC-derived FOXP1(+) thymic epithelial progenitors. <i>Stem Cell Reports</i> , 2014 , 2, 925-37	8	30
65	Investigating the interaction between hematopoietic stem cells and their niche during embryonic development: optimizing the isolation of fetal and newborn stem cells from liver, spleen, and bone marrow. <i>Methods in Molecular Biology</i> , 2014 , 1185, 9-20	1.4	3
64	Understanding the role of the microenvironment during definitive hemopoietic development. <i>Experimental Hematology</i> , 2013 , 41, 761-8	3.1	25
63	Targeting acute myeloid leukemia by dual inhibition of PI3K signaling and Cdk9-mediated Mcl-1 transcription. <i>Blood</i> , 2013 , 122, 738-48	2.2	47
62	Potent agonists of a hematopoietic stem cell cytokine receptor, c-Mpl. <i>ChemMedChem</i> , 2013 , 8, 763-71	3.7	4
61	The role of Tenascin C in the lymphoid progenitor cell niche. <i>Experimental Hematology</i> , 2013 , 41, 1050-61	3.1	16
60	Megakaryocytes co-localise with hemopoietic stem cells and release cytokines that up-regulate stem cell proliferation. <i>Stem Cell Research</i> , 2013 , 11, 782-92	1.6	77
59	The prospective isolation of viable, high ploidy megakaryocytes from adult murine bone marrow by fluorescence activated cell sorting. <i>Methods in Molecular Biology</i> , 2013 , 1035, 121-33	1.4	8
58	Granulocyte colony stimulating factor expands hematopoietic stem cells within the central but not endosteal bone marrow region. <i>Cytokine</i> , 2012 , 58, 218-25	4	18
57	The location and cellular composition of the hemopoietic stem cell niche. <i>Cytotherapy</i> , 2012 , 14, 135-43	4.8	21
56	Bone, microenvironment and hematopoiesis. <i>Current Opinion in Hematology</i> , 2012 , 19, 250-5	3.3	52
55	The relationship between bone, hemopoietic stem cells, and vasculature. <i>Blood</i> , 2011 , 118, 1516-24	2.2	119
54	Mobilisation strategies for normal and malignant cells. <i>Pathology</i> , 2011 , 43, 547-65	1.6	5
53	Methods to analyze the homing efficiency and spatial distribution of hematopoietic stem and progenitor cells and their relationship to the bone marrow endosteum and vascular endothelium. <i>Methods in Molecular Biology</i> , 2011 , 750, 197-214	1.4	12
52	Phenotypically identical hemopoietic stem cells isolated from different regions of bone marrow have different biologic potential. <i>Blood</i> , 2010 , 116, 3185-96	2.2	79
51	The effect of bovine endosteum-derived particles on the proliferation of human mesenchymal stem cells. <i>Biomaterials</i> , 2010 , 31, 5689-99	15.6	7

50	Endogenous fibroblastic progenitor cells in the adult mouse lung are highly enriched in the sca-1 positive cell fraction. <i>Stem Cells</i> , 2009 , 27, 623-33	5.8	143
49	An innovative triple immunogold labeling method to investigate the hemopoietic stem cell niche in situ. <i>Microscopy and Microanalysis</i> , 2009 , 15, 403-14	0.5	10
48	Thrombin-cleaved osteopontin regulates hemopoietic stem and progenitor cell functions through interactions with alpha9beta1 and alpha4beta1 integrins. <i>Blood</i> , 2009 , 114, 49-59	2.2	155
47	Expression profiling of a hemopoietic cell survival transcriptome implicates osteopontin as a functional prognostic factor in AML. <i>Blood</i> , 2009 , 114, 4859-70	2.2	51
46	The osteoblastic niche following TBI. <i>Blood</i> , 2009 , 114, 2210-1	2.2	1
45	Investigating the interactions between haemopoietic stem cells and their niche: methods for the analysis of stem cell homing and distribution within the marrow following transplantation. <i>Methods in Molecular Biology</i> , 2009 , 482, 93-107	1.4	9
44	Developmental fate determination and marker discovery in hematopoietic stem cell biology using proteomic fingerprinting. <i>Molecular and Cellular Proteomics</i> , 2008 , 7, 573-81	7.6	21
43	The histo-morphometric relationship between bone, blood vessels and hemopoietic stem cells.. <i>Microscopy and Microanalysis</i> , 2008 , 14, 1466-1467	0.5	
42	Osteopoietic stem cells: transplantable, but regeneratively limited. <i>Blood</i> , 2008 , 111, 3917-8	2.2	
41	Detection and quantification of functionally defined hematopoietic progenitor cells and tissue specific mRNA within the peripheral blood of myeloma patients after administration of granulocyte colony-stimulating factor and erythropoietin. <i>European Journal of Haematology</i> , 2008 , 80, 20-30	3.8	3
40	Recent Australian experience with hemopoietic stem and progenitor cell expansion. <i>Cytotherapy</i> , 2007 , 9, 231-5	4.8	
39	Hemopoietic stem cells with higher hemopoietic potential reside at the bone marrow endosteum. <i>Stem Cells</i> , 2007 , 25, 1062-9	5.8	106
38	Hematopoietic progenitor cell mobilization results in hypoxia with increased hypoxia-inducible transcription factor-1 alpha and vascular endothelial growth factor A in bone marrow. <i>Stem Cells</i> , 2007 , 25, 1954-65	5.8	117
37	Expansion of umbilical cord blood for clinical transplantation. <i>Current Stem Cell Research and Therapy</i> , 2007 , 2, 324-35	3.6	19
36	Hemopoietic stem cell engraftment. <i>Experimental Hematology</i> , 2006 , 34, 123-9	3.1	17
35	The role of hyaluronic acid in hemopoietic stem cell biology. <i>Regenerative Medicine</i> , 2006 , 1, 437-45	2.5	72
34	Gene expression, synthesis and degradation of hyaluronan during differentiation of 3T3-L1 adipocytes. <i>Archives of Biochemistry and Biophysics</i> , 2006 , 452, 83-91	4.1	18
33	Osteopontin: a bridge between bone and blood. <i>British Journal of Haematology</i> , 2006 , 134, 467-74	4.5	112

32	The over-expression of HAS2, Hyal-2 and CD44 is implicated in the invasiveness of breast cancer. <i>Experimental Cell Research</i> , 2005 , 310, 205-17	4.2	180
31	Osteopontin, a key component of the hematopoietic stem cell niche and regulator of primitive hematopoietic progenitor cells. <i>Blood</i> , 2005 , 106, 1232-9	2.2	604
30	Antisense-mediated suppression of hyaluronan synthase 2 inhibits the tumorigenesis and progression of breast cancer. <i>Cancer Research</i> , 2005 , 65, 6139-50	10.1	112
29	Stem cell regulation by the hematopoietic stem cell niche. <i>Cell Cycle</i> , 2005 , 4, 1353-5	4.7	76
28	Role of CD44 variant exon 6 in acute lymphoblastic leukaemia: association with altered bone marrow localisation and increased tumour burden. <i>Leukemia</i> , 2004 , 18, 1308-11	10.7	11
27	Transplantable stem cells: home to specific niches. <i>Current Opinion in Hematology</i> , 2004 , 11, 102-6	3.3	53
26	Hyaluronan is synthesized by primitive hemopoietic cells, participates in their lodgment at the endosteum following transplantation, and is involved in the regulation of their proliferation and differentiation in vitro. <i>Blood</i> , 2003 , 101, 856-62	2.2	125
25	Membrane-bound stem cell factor is a key regulator in the initial lodgment of stem cells within the endosteal marrow region. <i>Experimental Hematology</i> , 2003 , 31, 1284-91	3.1	105
24	Periwound dopaminergic sprouting is dependent on numbers of wound macrophages. <i>European Journal of Neuroscience</i> , 2002 , 15, 826-32	3.5	10
23	Homing of purified murine lymphohematopoietic stem cells: a cytokine-induced defect. <i>Journal of Hematotherapy and Stem Cell Research</i> , 2002 , 11, 913-22		46
22	Vascular cell adhesion molecule-1 (CD106) is cleaved by neutrophil proteases in the bone marrow following hematopoietic progenitor cell mobilization by granulocyte colony-stimulating factor. <i>Blood</i> , 2001 , 98, 1289-97	2.2	420
21	Spatial localization of transplanted hemopoietic stem cells: inferences for the localization of stem cell niches. <i>Blood</i> , 2001 , 97, 2293-9	2.2	473
20	Osteoblast-specific gene expression after transplantation of marrow cells: implications for skeletal gene therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 7294-9	11.5	104
19	Cells capable of bone production engraft from whole bone marrow transplants in nonablated mice. <i>Journal of Experimental Medicine</i> , 1999 , 189, 729-34	16.6	139
18	Lymphohematopoietic stem cell engraftment. <i>Annals of the New York Academy of Sciences</i> , 1999 , 872, 40-5; discussion 45-7	6.5	15
17	Stem cell engraftment and cell cycle phenotype. <i>Leukemia</i> , 1999 , 13 Suppl 1, S92-3	10.7	5
16	Dental abnormalities associated with failure of tooth eruption in src knockout and op/op mice. <i>Calcified Tissue International</i> , 1999 , 65, 53-8	3.9	40
15	Adhesion receptor expression by hematopoietic cell lines and murine progenitors: modulation by cytokines and cell cycle status. <i>Experimental Hematology</i> , 1999 , 27, 533-41	3.1	123

14	Immunofluorescence characterization of key extracellular matrix proteins in murine bone marrow in situ. <i>Journal of Histochemistry and Cytochemistry</i> , 1998 , 46, 371-7	3.4	136
13	Lymphohematopoietic engraftment in minimally myeloablated hosts. <i>Blood</i> , 1998 , 91, 3681-7	2.2	26
12	Potential and Distribution of Transplanted Hematopoietic Stem Cells in a Nonablated Mouse Model. <i>Blood</i> , 1997 , 89, 4013-4020	2.2	153
11	Synchronized Cell-Cycle Induction of Engrafting Long-Term Repopulating Stem Cells. <i>Blood</i> , 1997 , 90, 4646-4650	2.2	76
10	Synchronized Cell-Cycle Induction of Engrafting Long-Term Repopulating Stem Cells. <i>Blood</i> , 1997 , 90, 4646-4650	2.2	1
9	Potential and distribution of transplanted hematopoietic stem cells in a nonablated mouse model. <i>Blood</i> , 1997 , 89, 4013-20	2.2	47
8	Synchronized cell-cycle induction of engrafting long-term repopulating stem cells. <i>Blood</i> , 1997 , 90, 4646-50	2.2	17
7	In situ detection of individual transplanted bone marrow cells using FISH on sections of paraffin-embedded whole murine femurs. <i>Journal of Histochemistry and Cytochemistry</i> , 1996 , 44, 1069-74	2.4	36
6	Haematopoietic radioprotection by Cremophor EL: a polyethoxylated castor oil. <i>International Journal of Radiation Biology</i> , 1995 , 67, 57-64	2.9	19
5	The development and establishment of hemopoiesis in fetal and newborn osteopetrotic (op/op) mice. <i>Developmental Biology</i> , 1994 , 164, 456-62	3.1	21
4	Age-related changes in extramedullary hematopoiesis in the spleen of normal and perturbed osteopetrotic (op/op) mice. <i>Experimental Hematology</i> , 1994 , 22, 377-83	3.1	17
3	Delayed hematopoietic development in osteopetrotic (op/op) mice. <i>Journal of Experimental Medicine</i> , 1993 , 177, 237-42	16.6	162
2	Hematopoietic microenvironment and age		71-83
1	Primate-specific response of astrocytes to stroke limits peripheral macrophage infiltration		2