Susan K Nilsson

List of Publications by Year
in descending order

115 papers	6,780 citations	81434 41 h-index	71088 80 g-index
118 all docs	118 docs citations	118 times ranked	8594 citing authors

#	Article	IF	Citations
1	3D-cardiomics: A spatial transcriptional atlas of the mammalian heart. Journal of Molecular and Cellular Cardiology, 2022, 163, 20-32.	0.9	16
2	The RNA-binding protein SRSF3 has an essential role in megakaryocyte maturation and platelet production. Blood, 2022, 139, 1359-1373.	0.6	9
3	Dextran sulfate-amplified extracellular matrix deposition promotes osteogenic differentiation of mesenchymal stem cells. Acta Biomaterialia, 2022, 140, 163-177.	4.1	14
4	Intestinal stem cell aging signature reveals a reprogramming strategy to enhance regenerative potential. Npj Regenerative Medicine, 2022, 7, .	2.5	4
5	Nicotinamide riboside attenuates age-associated metabolic and functional changes in hematopoietic stem cells. Nature Communications, 2021, 12, 2665.	5.8	45
6	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. Frontiers in Cell and Developmental Biology, 2021, 9, 737880.	1.8	7
7	Potent In Vitro Peptide Antagonists of the Thrombopoietin Receptor as Potential Myelofibrosis Drugs. Advanced Therapeutics, 2021, 4, 2000241.	1.6	1
8	NogoA-expressing astrocytes limit peripheral macrophage infiltration after ischemic brain injury in primates. Nature Communications, 2021, 12, 6906.	5.8	14
9	Glycosylated Nanoparticles Derived from RAFT Polymerization for Effective Drug Delivery to Macrophages. ACS Applied Bio Materials, 2020, 3, 5775-5786.	2.3	6
10	ReprogrammingÂroadmap reveals route toÂhuman induced trophoblast stem cells. Nature, 2020, 586, 101-107.	13.7	131
11	A CX3CR1 Reporter hESC Line Facilitates Integrative Analysis of In-Vitro-Derived Microglia and Improved Microglia Identity upon Neuron-Glia Co-culture. Stem Cell Reports, 2020, 14, 1018-1032.	2.3	16
12	Smad4 promotes diabetic nephropathy by modulating glycolysis and <scp>OXPHOS</scp>. EMBO Reports, 2020, 21, e48781.	2.0	39
13	The aging hematopoietic stem cell niche. Advances in Stem Cells and Their Niches, 2020, , 1-23.	0.1	0
14	Combined Blockade of Smad3 and JNK Pathways Ameliorates Progressive Fibrosis in Folic Acid Nephropathy. Frontiers in Pharmacology, 2019, 10, 880.	1.6	20
15	Illustrated Stateâ€ofâ€theâ€Art Capsules of the ISTH 2019 Congress in Melbourne, Australia. Research and Practice in Thrombosis and Haemostasis, 2019, 3, 431-497.	1.0	11
16	Osteopontin is An Important Regulative Component of the Fetal Bone Marrow Hematopoietic Stem Cell Niche. Cells, 2019, 8, 985.	1.8	23
17	Mouse Hematopoietic Stem Cell Modification and Labelling by Transduction and Tracking Posttransplantation. Methods in Molecular Biology, 2019, 1940, 129-142.	0.4	0
18	Abstract LB-C02:In vitroon-target and selectivity profiling of small-molecule inhibitors of the Myc/Max heterodimeric complex. , 2019, , .		0

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19	Effector CD4+ T cells recognize intravascular antigen presented by patrolling monocytes. Nature Communications, 2018, 9, 747.	5.8	42
20	Effective macrophage delivery using RAFT copolymer derived nanoparticles. Polymer Chemistry, 2018, 9, 131-137.	1.9	9
21	A Combined InÂVivo HSC Transduction/Selection Approach Results in Efficient and Stable Gene Expression in Peripheral Blood Cells in Mice. Molecular Therapy - Methods and Clinical Development, 2018, 8, 52-64.	1.8	33
22	Niche Extracellular Matrix Components and Their Influence on HSC. Journal of Cellular Biochemistry, 2017, 118, 1984-1993.	1.2	38
23	Progress in bio-manufacture of platelets for transfusion. Platelets, 2017, 28, 649-656.	1.1	16
24	Factors that influence a mobilized HSC product. International Journal of Hematology, 2017, 105, 116-117.	0.7	1
25	New agents in HSC mobilization. International Journal of Hematology, 2017, 105, 141-152.	0.7	42
26	Comprehensive characterization of distinct states of human naive pluripotency generated by reprogramming. Nature Methods, 2017, 14, 1055-1062.	9.0	128
27	Cell Type of Origin Dictates the Route to Pluripotency. Cell Reports, 2017, 21, 2649-2660.	2.9	49
28	MED12 in hematopoietic stem cellsâ€”cell specific function despite ubiquitous expression. Stem Cell Investigation, 2017, 4, 3-3.	1.3	0
29	Autophagy-dependent regulatory T cells are critical for the control of graft-versus-host disease. JCI Insight, 2016, 1, e86850.	2.3	43
30	New method for harvesting stem cells could improve donorâ€patient treatment. Medical Journal of Australia, 2016, 205, 242-242.	0.8	0
31	Validating Eaton's Hypothesis: Cubane as a Benzene Bioisostere. Angewandte Chemie, 2016, 128, 3644-3649.	1.6	34
32	Validating Eaton's Hypothesis: Cubane as a Benzene Bioisostere. Angewandte Chemie - International Edition, 2016, 55, 3580-3585.	7.2	126
33	MOZ (KAT6A) is essential for the maintenance of classically defined adult hematopoietic stem cells. Blood, 2016, 128, 2307-2318.	0.6	74
34	The role of CD44 in fetal and adult hematopoietic stem cell regulation. Haematologica, 2016, 101, 26-37.	1.7	60
35	Therapeutic targeting and rapid mobilization of endosteal HSC using a small molecule integrin antagonist. Nature Communications, 2016, 7, 11007.	5.8	51
36	Frontispiece: Validating Eaton's Hypothesis: Cubane as a Benzene Bioisostere. Angewandte Chemie - International Edition, 2016, 55, .	7.2	1

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37	i-bodies, Human Single Domain Antibodies That Antagonize Chemokine Receptor CXCR4. Journal of Biological Chemistry, 2016, 291, 12641-12657.	1.6	49
38	Frontispiz: Validating Eaton's Hypothesis: Cubane as a Benzene Bioisostere. Angewandte Chemie, 2016, 128, .	1.6	0
39	Haemopedia: An Expression Atlas of Murine Hematopoietic Cells. Stem Cell Reports, 2016, 7, 571-582.	2.3	88
40	Identification of adult endothelial stem cells with endothelial and hematopoietic reconstitution potential. Experimental Hematology, 2016, 44, S44.	0.2	0
41	Differentiation of human embryonic stem cells to HOXA+ hemogenic vasculature that resembles the aorta-gonad-mesonephros. Nature Biotechnology, 2016, 34, 1168-1179.	9.4	150
42	Factors released by megakaryocytes thrombin cleave osteopontin to negatively regulate hematopoietic stem cells. Experimental Hematology, 2015, 43, S84.	0.2	1
43	Small molecule Î±9Î²1/Î±4Î²1 integrin antagonist mobilizes hematopoietic stem cells with long-term multilineage engraftment potential. Experimental Hematology, 2015, 43, S55.	0.2	0
44	Brief Report: Factors Released by Megakaryocytes Thrombin Cleave Osteopontin to Negatively Regulate Hematopoietic Stem Cells. Stem Cells, 2015, 33, 2351-2357.	1.4	20
45	HOXA gene expression defines definitive fetal hematopoietic cells differentiated from hESCs. Experimental Hematology, 2015, 43, S46.	0.2	0
46	Isolation of Murine Bone Marrow Scavenging Sinusoidal Endothelial Cells. Methods in Molecular Biology, 2015, 1235, 59-71.	0.4	6
47	Analyzing hematopoietic stem cell homing, lodgment, and engraftment to better understand the bone marrow niche. Annals of the New York Academy of Sciences, 2014, 1310, 119-128.	1.8	48
48	Design, synthesis and binding properties of a fluorescent Î±₉Î²₁/Î±₄Î²₁integrin antagonist and its application as anin vivoprobe for bone marrow haemopoietic stem cells. Organic and Biomolecular Chemistry, 2014, 12, 965-978.	1.5	11
49	FOXN1GFP/w Reporter hESCs Enable Identification of Integrin-Î²4, HLA-DR, and EpCAM as Markers of Human PSC-Derived FOXN1+ Thymic Epithelial Progenitors. Stem Cell Reports, 2014, 2, 925-937.	2.3	42
50	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. Methods in Molecular Biology, 2014, 1185, 9-20.	0.4	5
51	Understanding the role of the microenvironment during definitive hemopoietic development. Experimental Hematology, 2013, 41, 761-768.	0.2	29
52	Targeting acute myeloid leukemia by dual inhibition of PI3K signaling and Cdk9-mediated Mcl-1 transcription. Blood, 2013, 122, 738-748.	0.6	53
53	Potent Agonists of a Hematopoietic Stem Cell Cytokine Receptor, câ€Mpl. ChemMedChem, 2013, 8, 763-771.	1.6	5
54	The role of Tenascin C in the lymphoid progenitor cell niche. Experimental Hematology, 2013, 41, 1050-1061.	0.2	18

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55	Megakaryocytes co-localise with hemopoietic stem cells and release cytokines that up-regulate stem cell proliferation. Stem Cell Research, 2013, 11, 782-792.	0.3	103
56	The Prospective Isolation of Viable, High Ploidy Megakaryocytes from Adult Murine Bone Marrow by Fluorescence Activated Cell Sorting. Methods in Molecular Biology, 2013, 1035, 121-133.	0.4	10
57	Abstract A19: The selective targeting of cell survival pathways in leukemia. , 2013, , .		0
58	Bone, microenvironment and hematopoiesis. Current Opinion in Hematology, 2012, 19, 250-255.	1.2	65
59	Granulocyte colony stimulating factor expands hematopoietic stem cells within the central but not endosteal bone marrow region. Cytokine, 2012, 58, 218-225.	1.4	19
60	The location and cellular composition of the hemopoietic stem cell niche. Cytotherapy, 2012, 14, 135-143.	0.3	24
61	The relationship between bone, hemopoietic stem cells, and vasculature. Blood, 2011, 118, 1516-1524.	0.6	135
62	Mobilisation strategies for normal and malignant cells. Pathology, 2011, 43, 547-565.	0.3	8
63	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. Methods in Molecular Biology, 2011, 750, 197-214.	0.4	14
64	Phenotypically identical hemopoietic stem cells isolated from different regions of bone marrow have different biologic potential. Blood, 2010, 116, 3185-3196.	0.6	91
65	The effect of bovine endosteum-derived particles on the proliferation of human mesenchymal stem cells. Biomaterials, 2010, 31, 5689-5699.	5.7	10
66	Endogenous Fibroblastic Progenitor Cells in the Adult Mouse Lung Are Highly Enriched in the Sca-1 Positive Cell Fraction. Stem Cells, 2009, 27, 623-633.	1.4	169
67	An Innovative Triple Immunogold Labeling Method to Investigate the Hemopoietic Stem Cell NicheIn Situ. Microscopy and Microanalysis, 2009, 15, 403-414.	0.2	12
68	Thrombin-cleaved osteopontin regulates hemopoietic stem and progenitor cell functions through interactions with Î±9Î²1 and Î±4Î²1 integrins. Blood, 2009, 114, 49-59.	0.6	182
69	Expression profiling of a hemopoietic cell survival transcriptome implicates osteopontin as a functional prognostic factor in AML. Blood, 2009, 114, 4859-4870.	0.6	52
70	The osteoblastic niche following TBI. Blood, 2009, 114, 2210-2211.	0.6	1
71	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. Methods in Molecular Biology, 2009, 482, 93-107.	0.4	9
72	Developmental Fate Determination and Marker Discovery in Hematopoietic Stem Cell Biology Using Proteomic Fingerprinting. Molecular and Cellular Proteomics, 2008, 7, 573-581.	2.5	23

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73	The histo-morphometric relationship between bone, blood vessels and hemopoietic stem cells.. Microscopy and Microanalysis, 2008, 14, 1466-1467.	0.2	0
74	Osteopoietic stem cells: transplantable, but regeneratively limited. Blood, 2008, 111, 3917-3918.	0.6	0
75	Recent Australian experience with hemopoietic stem and progenitor cell expansion. Cytotherapy, 2007, 9, 231-235.	0.3	0
76	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. European Journal of Haematology, 2007, 80, 071119202650003-???.	1.1	3
77	Hemopoietic Stem Cells with Higher Hemopoietic Potential Reside at the Bone Marrow Endosteum. Stem Cells, 2007, 25, 1062-1069.	1.4	113
78	Hematopoietic Progenitor Cell Mobilization Results in Hypoxia with Increased Hypoxia-Inducible Transcription Factor-1Î± and Vascular Endothelial Growth Factor A in Bone Marrow. Stem Cells, 2007, 25, 1954-1965.	1.4	128
79	Expansion of Umbilical Cord Blood for Clinical Transplantation. Current Stem Cell Research and Therapy, 2007, 2, 324-335.	0.6	23
80	The role of hyaluronic acid in hemopoietic stem cell biology. Regenerative Medicine, 2006, 1, 437-445.	0.8	79
81	Gene expression, synthesis and degradation of hyaluronan during differentiation of 3T3-L1 adipocytes. Archives of Biochemistry and Biophysics, 2006, 452, 83-91.	1.4	21
82	Osteopontin: a bridge between bone and blood. British Journal of Haematology, 2006, 134, 467-474.	1.2	128
83	Hemopoietic stem cell engraftment. Experimental Hematology, 2006, 34, 123-129.	0.2	20
84	The Identification and Characterisation of Transplanted Hematopoietic Stem Cells In Situ. Microscopy and Microanalysis, 2005, 11, .	0.2	0
85	Stem Cell Regulation by the Haemopoietic Stem Cell Niche. Cell Cycle, 2005, 4, 1353-1355.	1.3	84
86	The over-expression of HAS2, Hyal-2 and CD44 is implicated in the invasiveness of breast cancer. Experimental Cell Research, 2005, 310, 205-217.	1.2	197
87	Osteopontin, a key component of the hematopoietic stem cell niche and regulator of primitive hematopoietic progenitor cells. Blood, 2005, 106, 1232-1239.	0.6	694
88	Antisense-Mediated Suppression of Hyaluronan Synthase 2 Inhibits the Tumorigenesis and Progression of Breast Cancer. Cancer Research, 2005, 65, 6139-6150.	0.4	124
89	Role of CD44 variant exon 6 in acute lymphoblastic leukaemia: association with altered bone marrow localisation and increased tumour burden. Leukemia, 2004, 18, 1308-1311.	3.3	13
90	Transplantable stem cells: home to specific niches. Current Opinion in Hematology, 2004, 11, 102-106.	1.2	59

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91	Membrane-bound stem cell factor is a key regulator in the initial lodgment of stem cells within the endosteal marrow region. Experimental Hematology, 2003, 31, 1284-1291.	0.2	119
92	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. Blood, 2003, 101, 856-862.	0.6	138
93	Homing of Purified Murine Lymphohematopoietic Stem Cells: A Cytokine-Induced Defect. Journal of Hematotherapy and Stem Cell Research, 2002, 11, 913-922.	1.8	53
94	Periwound dopaminergic sprouting is dependent on numbers of wound macrophages. European Journal of Neuroscience, 2002, 15, 826-832.	1.2	11
95	Spatial localization of transplanted hemopoietic stem cells: inferences for the localization of stem cell niches. Blood, 2001, 97, 2293-2299.	0.6	522
96	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. Blood, 2001, 98, 1289-1297.	0.6	449
97	Osteoblast-specific gene expression after transplantation of marrow cells: Implications for skeletal gene therapy. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 7294-7299.	3.3	112
98	Cells Capable of Bone Production Engraft from Whole Bone Marrow Transplants in Nonablated Mice. Journal of Experimental Medicine, 1999, 189, 729-734.	4.2	150
99	Lymphohematopoietic Stem Cell Engraftmenta. Annals of the New York Academy of Sciences, 1999, 872, 40-47.	1.8	16
100	Stem cell engraftment and cell cycle phenotype. Leukemia, 1999, 13, S92-S93.	3.3	6
101	Dental Abnormalities Associated with Failure of Tooth Eruption in src Knockout and op/op Mice. Calcified Tissue International, 1999, 65, 53-58.	1.5	43
102	Adhesion receptor expression by hematopoietic cell lines and murine progenitors. Experimental Hematology, 1999, 27, 533-541.	0.2	134
103	Immunofluorescence Characterization of Key Extracellular Matrix Proteins in Murine Bone Marrow In Situ. Journal of Histochemistry and Cytochemistry, 1998, 46, 371-377.	1.3	148
104	Lymphohematopoietic engraftment in minimally myeloablated hosts. Blood, 1998, 91, 3681-7.	0.6	36
105	Potential and Distribution of Transplanted Hematopoietic Stem Cells in a Nonablated Mouse Model. Blood, 1997, 89, 4013-4020.	0.6	164
106	Synchronized Cell-Cycle Induction of Engrafting Long-Term Repopulating Stem Cells. Blood, 1997, 90, 4646-4650.	0.6	80
107	Synchronized Cell-Cycle Induction of Engrafting Long-Term Repopulating Stem Cells. Blood, 1997, 90, 4646-4650.	0.6	1
108	Potential and distribution of transplanted hematopoietic stem cells in a nonablated mouse model. Blood, 1997, 89, 4013-20.	0.6	50

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109	Synchronized cell-cycle induction of engrafting long-term repopulating stem cells. Blood, 1997, 90, 4646-50.	0.6	18
110	In situ detection of individual transplanted bone marrow cells using FISH on sections of paraffin-embedded whole murine femurs.. Journal of Histochemistry and Cytochemistry, 1996, 44, 1069-1074.	1.3	37
111	Haematopoietic Radioprotection by Cremophor EL: A Polyethoxylated Castor Oil. International Journal of Radiation Biology, 1995, 67, 57-64.	1.0	20
112	The development and establishment of hemopoiesis in fetal and newborn osteopetrotic (op/op) mice. Developmental Biology, 1994, 164, 456-462.	0.9	25
113	Age-related changes in extramedullary hematopoiesis in the spleen of normal and perturbed osteopetrotic (op/op) mice. Experimental Hematology, 1994, 22, 377-83.	0.2	19
114	Delayed hematopoietic development in osteopetrotic (op/op) mice.. Journal of Experimental Medicine, 1993, 177, 237-242.	4.2	183
115	Hematopoietic microenvironment and age. , 0, , 71-83.		0