Claus Nerlov

List of Publications by Year
in descending order

62	6,459	37	59
papers	citations	h-index	g-index
		94433	133252

65	65	65	9463
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chronic interleukin-1 exposure drives haematopoietic stem cells towards precocious myeloid differentiation at the expense of self-renewal. Nature Cell Biology, 2016, 18, 607-618.	10.3	519
2	Platelet-biased stem cells reside at the apex of the haematopoietic stem-cell hierarchy. Nature, 2013, 502, 232-236.	27.8	493
3	The C/EBP family of transcription factors: a paradigm for interaction between gene expression and proliferation control. Trends in Cell Biology, 2007, 17, 318-324.	7.9	357
4	GATA-1 interacts with the myeloid PU.1 transcription factor and represses PU.1-dependent transcription. Blood, 2000, 95, 2543-2551.	1.4	312
5	E2F Repression by C/EBPÎ± Is Required for Adipogenesis and Granulopoiesis In Vivo. Cell, 2001, 107, 247-258.	28.9	292
6	Myelodysplastic Syndromes Are Propagated by Rare and Distinct Human Cancer Stem Cells InÂVivo. Cancer Cell, 2014, 25, 794-808.	16.8	272
7	Hierarchically related lineage-restricted fates of multipotent haematopoietic stem cells. Nature, 2018, 554, 106-111.	27.8	269
8	C/EBPÎ± mutations in acute myeloid leukaemias. Nature Reviews Cancer, 2004, 4, 394-400.	28.4	241
9	Single-cell RNA sequencing reveals molecular and functional platelet bias of aged haematopoietic stem cells. Nature Communications, 2016, 7, 11075.	12.8	238
10	Pharmacological targeting of the Wdr5-MLL interaction in C/EBPÎ± N-terminal leukemia. Nature Chemical Biology, 2015, 11, 571-578.	8.0	227
11	Modeling of C/EBPÎ± Mutant Acute Myeloid Leukemia Reveals a Common Expression Signature of Committed Myeloid Leukemia-Initiating Cells. Cancer Cell, 2008, 13, 299-310.	16.8	225
12	Remodeling of Bone Marrow Hematopoietic Stem Cell Niches Promotes Myeloid Cell Expansion during Premature or Physiological Aging. Cell Stem Cell, 2019, 25, 407-418.e6.	11.1	202
13	Distinct myeloid progenitorâ€"differentiation pathways identified through single-cell RNA sequencing. Nature Immunology, 2016, 17, 666-676.	14.5	188
14	Early myeloid lineage choice is not initiated by random PU.1 to GATA1 protein ratios. Nature, 2016, 535, 299-302.	27.8	180
15	Cooperation between C/EBPalpha TBP/TFIIB and SWI/SNF recruiting domains is required for adipocyte differentiation. Genes and Development, 2001, 15, 3208-3216.	5.9	167
16	Disease evolution and outcomes in familial AML with germline CEBPA mutations. Blood, 2015, 126, 1214-1223.	1.4	157
17	Lineage-Biased Hematopoietic Stem Cells Are Regulated by Distinct Niches. Developmental Cell, 2018, 44, 634-641.e4.	7.0	154
18	Hematopoietic Stem Cell Expansion Precedes the Generation of Committed Myeloid Leukemia-Initiating Cells in C/EBPÎ± Mutant AML. Cancer Cell, 2009, 16, 390-400.	16.8	133

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19	The earliest thymic T cell progenitors sustain B cell and myeloid lineage potential. Nature Immunology, 2012, 13, 412-419.	14.5	132
20	Erythropoietin guides multipotent hematopoietic progenitor cells toward an erythroid fate. Journal of Experimental Medicine, 2014, 211, 181-188.	8.5	111
21	Antagonism between C/EBPbeta and FOG in eosinophil lineage commitment of multipotent hematopoietic progenitors. Genes and Development, 2000, 14, 2515-2525.	5.9	109
22	Loss of C/EBPÎ± cell cycle control increases myeloid progenitor proliferation and transforms the neutrophil granulocyte lineage. Journal of Experimental Medicine, 2005, 202, 85-96.	8.5	101
23	C/EBPÎ± and Î² couple interfollicular keratinocyte proliferation arrest to commitment and terminal differentiation. Nature Cell Biology, 2009, 11, 1181-1190.	10.3	101
24	C/EBPs: recipients of extracellular signals through proteome modulation. Current Opinion in Cell Biology, 2008, 20, 180-185.	5.4	89
25	Haematopoiesis in the era of advanced single-cell technologies. Nature Cell Biology, 2019, 21, 2-8.	10.3	89
26	Distinct C/EBPÎ± motifs regulate lipogenic and gluconeogenic gene expression in vivo. EMBO Journal, 2007, 26, 1081-1093.	7.8	85
27	FOG-1 and GATA-1 act sequentially to specify definitive megakaryocytic and erythroid progenitors. EMBO Journal, 2012, 31, 351-365.	7.8	84
28	Identification of two distinct pathways of human myelopoiesis. Science Immunology, 2019, 4, .	11.9	69
29	Micro-environmental sensing by bone marrow stroma identifies IL-6 and TGFÎ²1 as regulators of hematopoietic ageing. Nature Communications, 2020, 11, 4075.	12.8	66
30	Neurotrophin/Trk receptor signaling mediates C/EBPalpha, -beta and NeuroD recruitment to immediate-early gene promoters in neuronal cells and requires C/EBPs to induce immediate-early gene transcription. Neural Development, 2007, 2, 4.	2.4	63
31	A dynamic niche provides Kit ligand in a stage-specific manner to the earliest thymocyte progenitors. Nature Cell Biology, 2016, 18, 157-167.	10.3	57
32	Inflammatory signals directly instruct PU.1 in HSCs via TNF. Blood, 2019, 133, 816-819.	1.4	53
33	A transit-amplifying population underpins the efficient regenerative capacity of the testis. Journal of Experimental Medicine, 2017, 214, 1631-1641.	8.5	50
34	Initial seeding of the embryonic thymus by immune-restricted lympho-myeloid progenitors. Nature Immunology, 2016, 17, 1424-1435.	14.5	49
35	Niche-mediated depletion of the normal hematopoietic stem cell reservoir by Flt3-ITDâ€"induced myeloproliferation. Journal of Experimental Medicine, 2017, 214, 2005-2021.	8.5	43
36	Pontin is essential for murine hematopoietic stem cell survival. Haematologica, 2012, 97, 1291-1294.	3.5	41

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37	FLT3-ITDs Instruct a Myeloid Differentiation and Transformation Bias in Lymphomyeloid Multipotent Progenitors. Cell Reports, 2013, 3, 1766-1776.	6.4	40
38	Ontogenic Changes in Hematopoietic Hierarchy Determine Pediatric Specificity and Disease Phenotype in Fusion Oncogeneâ€“Driven Myeloid Leukemia. Cancer Discovery, 2019, 9, 1736-1753.	9.4	37
39	Multiple membrane extrusion sites drive megakaryocyte migration into bone marrow blood vessels. Life Science Alliance, 2018, 1, e201800061.	2.8	36
40	Kit ligand has a critical role in mouse yolk sac and aortaâ€“gonadâ€“mesonephros hematopoiesis. EMBO Reports, 2018, 19, .	4.5	35
41	CD34 and EPCR coordinately enrich functional murine hematopoietic stem cells under normal and inflammatory conditions. Experimental Hematology, 2020, 81, 1-15.e6.	0.4	35
42	Impact of gene dosage, loss of wild-type allele, and FLT3 ligand on Flt3-ITDâ€“induced myeloproliferation. Blood, 2011, 118, 3613-3621.	1.4	26
43	Transcriptional and translational control of C/EBPs: The case for â€œdeepâ€• genetics to understand physiological function. BioEssays, 2010, 32, 680-686.	2.5	24
44	Wnt/Î²-Catenin Signaling Induces Integrin Î±4Î²1 in T Cells and Promotes a Progressive Neuroinflammatory Disease in Mice. Journal of Immunology, 2017, 199, 3031-3041.	0.8	22
45	Myeloid lineage enhancers drive oncogene synergy in CEBPA/CSF3R mutant acute myeloid leukemia. Nature Communications, 2019, 10, 5455.	12.8	22
46	Single-cell analysis of bone marrowâ€“derived CD34+ cells from children with sickle cell disease and thalassemia. Blood, 2019, 134, 2111-2115.	1.4	21
47	Insights into specificity, redundancy and new cellular functions of C/EBPa and C/EBPb transcription factors through interactome network analysis. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 467-476.	2.4	19
48	CEBPA-mutated leukemia is sensitive to genetic and pharmacological targeting of the MLL1 complex. Leukemia, 2019, 33, 1608-1619.	7.2	19
49	Liver haploinsufficiency of RuvBL1 causes hepatic insulin resistance and enhances hepatocellular carcinoma progression. International Journal of Cancer, 2020, 146, 3410-3422.	5.1	18
50	C/EBPÎ± and GATA-2 Mutations Induce Bilineage Acute Erythroid Leukemia through Transformation of a Neomorphic Neutrophil-Erythroid Progenitor. Cancer Cell, 2020, 37, 690-704.e8.	16.8	16
51	Canonical Notch signaling is dispensable for adult steady-state and stress myelo-erythropoiesis. Blood, 2018, 131, 1712-1719.	1.4	14
52	Direct role of <scp>FLT</scp>3 in regulation of early lymphoid progenitors. British Journal of Haematology, 2018, 183, 588-600.	2.5	12
53	Human adult HSCs can be discriminated from lineage-committed HPCs by the expression of endomucin. Blood Advances, 2018, 2, 1628-1632.	5.2	10
54	Bi-directional signaling by membrane-bound KitL induces proliferation and coordinates thymic endothelial cell and thymocyte expansion. Nature Communications, 2018, 9, 4685.	12.8	9

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55	Cell-intrinsic depletion of Aml1-ETO-expressing pre-leukemic hematopoietic stem cells by K-Ras activating mutation. Haematologica, 2019, 104, 2215-2224.	3.5	9
56	Dependence on Myb expression is attenuated in myeloid leukaemia with N-terminal CEBPA mutations. Life Science Alliance, 2019, 2, e201800207.	2.8	6
57	DNMT1 Deficiency Impacts on Plasmacytoid Dendritic Cells in Homeostasis and Autoimmune Disease. Journal of Immunology, 2022, 208, 358-370.	0.8	5
58	Hematopoietic Lineage Diversification, Simplified. Cell Stem Cell, 2016, 19, 148-150.	11.1	3
59	To bi or not to bi: Acute erythroid leukemias and hematopoietic lineage choice. Experimental Hematology, 2021, 97, 6-13.	0.4	1
60	Studying BDNF/TrkB Signaling: High-Throughput Microfluidic Gene Expression Analysis from Rare or Limited Samples of Adult and Aged Central Neurons. Neuromethods, 2017, , 77-86.	0.3	0
61	Retroviral Insertional Mutagenesis Screen in a C/EBPalpha Proliferative Genetic Background.. Blood, 2006, 108, 4342-4342.	1.4	0
62	Interleukin-1 Drives Precocious Myeloid Differentiation of Hematopoietic Stem Cells at the Expense of Self-Renewal. Blood, 2015, 126, 778-778.	1.4	0