

Claus Nerlov

List of Publications by Year in descending order

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62
papers

6,459
citations

94433

37
h-index

133252

59
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65
all docs

65
docs citations

65
times ranked

9463
citing authors

#	ARTICLE	IF	CITATIONS
1	DNMT1 Deficiency Impacts on Plasmacytoid Dendritic Cells in Homeostasis and Autoimmune Disease. <i>Journal of Immunology</i> , 2022, 208, 358-370.	0.8	5
2	To bi or not to bi: Acute erythroid leukemias and hematopoietic lineage choice. <i>Experimental Hematology</i> , 2021, 97, 6-13.	0.4	1
3	Liver haploinsufficiency of RuvBL1 causes hepatic insulin resistance and enhances hepatocellular carcinoma progression. <i>International Journal of Cancer</i> , 2020, 146, 3410-3422.	5.1	18
4	CD34 and EPCR coordinately enrich functional murine hematopoietic stem cells under normal and inflammatory conditions. <i>Experimental Hematology</i> , 2020, 81, 1-15.e6.	0.4	35
5	Micro-environmental sensing by bone marrow stroma identifies IL-6 and TGF β ²¹ as regulators of hematopoietic ageing. <i>Nature Communications</i> , 2020, 11, 4075.	12.8	66
6	C/EBP β and GATA-2 Mutations Induce Bilineage Acute Erythroid Leukemia through Transformation of a Neomorphic Neutrophil-Erythroid Progenitor. <i>Cancer Cell</i> , 2020, 37, 690-704.e8.	16.8	16
7	Remodeling of Bone Marrow Hematopoietic Stem Cell Niches Promotes Myeloid Cell Expansion during Premature or Physiological Aging. <i>Cell Stem Cell</i> , 2019, 25, 407-418.e6.	11.1	202
8	CEBPA-mutated leukemia is sensitive to genetic and pharmacological targeting of the MLL1 complex. <i>Leukemia</i> , 2019, 33, 1608-1619.	7.2	19
9	Identification of two distinct pathways of human myelopoiesis. <i>Science Immunology</i> , 2019, 4, .	11.9	69
10	Cell-intrinsic depletion of Aml1-ETO-expressing pre-leukemic hematopoietic stem cells by K-Ras activating mutation. <i>Haematologica</i> , 2019, 104, 2215-2224.	3.5	9
11	Single-cell analysis of bone marrow-derived CD34+ cells from children with sickle cell disease and thalassemia. <i>Blood</i> , 2019, 134, 2111-2115.	1.4	21
12	Myeloid lineage enhancers drive oncogene synergy in CEBPA/CSF3R mutant acute myeloid leukemia. <i>Nature Communications</i> , 2019, 10, 5455.	12.8	22
13	Ontogenic Changes in Hematopoietic Hierarchy Determine Pediatric Specificity and Disease Phenotype in Fusion Oncogene-Driven Myeloid Leukemia. <i>Cancer Discovery</i> , 2019, 9, 1736-1753.	9.4	37
14	Haematopoiesis in the era of advanced single-cell technologies. <i>Nature Cell Biology</i> , 2019, 21, 2-8.	10.3	89
15	Inflammatory signals directly instruct PU.1 in HSCs via TNF. <i>Blood</i> , 2019, 133, 816-819.	1.4	53
16	Dependence on Myb expression is attenuated in myeloid leukaemia with N-terminal CEBPA mutations. <i>Life Science Alliance</i> , 2019, 2, e201800207.	2.8	6
17	Lineage-Biased Hematopoietic Stem Cells Are Regulated by Distinct Niches. <i>Developmental Cell</i> , 2018, 44, 634-641.e4.	7.0	154
18	Canonical Notch signaling is dispensable for adult steady-state and stress myelo-erythropoiesis. <i>Blood</i> , 2018, 131, 1712-1719.	1.4	14

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19	Hierarchically related lineage-restricted fates of multipotent haematopoietic stem cells. <i>Nature</i> , 2018, 554, 106-111.	27.8	269
20	Bi-directional signaling by membrane-bound KitL induces proliferation and coordinates thymic endothelial cell and thymocyte expansion. <i>Nature Communications</i> , 2018, 9, 4685.	12.8	9
21	Direct role of $\text{FLT}3$ in regulation of early lymphoid progenitors. <i>British Journal of Haematology</i> , 2018, 183, 588-600.	2.5	12
22	Kit ligand has a critical role in mouse yolk sac and aortaâ€“gonadâ€“mesonephros hematopoiesis. <i>EMBO Reports</i> , 2018, 19, .	4.5	35
23	Human adult HSCs can be discriminated from lineage-committed HPCs by the expression of endomucin. <i>Blood Advances</i> , 2018, 2, 1628-1632.	5.2	10
24	Multiple membrane extrusion sites drive megakaryocyte migration into bone marrow blood vessels. <i>Life Science Alliance</i> , 2018, 1, e201800061.	2.8	36
25	A transit-amplifying population underpins the efficient regenerative capacity of the testis. <i>Journal of Experimental Medicine</i> , 2017, 214, 1631-1641.	8.5	50
26	Wnt/ β -Catenin Signaling Induces Integrin α 21 in T Cells and Promotes a Progressive Neuroinflammatory Disease in Mice. <i>Journal of Immunology</i> , 2017, 199, 3031-3041.	0.8	22
27	Studying BDNF/TrkB Signaling: High-Throughput Microfluidic Gene Expression Analysis from Rare or Limited Samples of Adult and Aged Central Neurons. <i>Neuromethods</i> , 2017, , 77-86.	0.3	0
28	Niche-mediated depletion of the normal hematopoietic stem cell reservoir by Flt3-ITDâ€“induced myeloproliferation. <i>Journal of Experimental Medicine</i> , 2017, 214, 2005-2021.	8.5	43
29	Insights into specificity, redundancy and new cellular functions of C/EBPa and C/EBPb transcription factors through interactome network analysis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 467-476.	2.4	19
30	Single-cell RNA sequencing reveals molecular and functional platelet bias of aged haematopoietic stem cells. <i>Nature Communications</i> , 2016, 7, 11075.	12.8	238
31	Distinct myeloid progenitorâ€“differentiation pathways identified through single-cell RNA sequencing. <i>Nature Immunology</i> , 2016, 17, 666-676.	14.5	188
32	Chronic interleukin-1 exposure drives haematopoietic stem cells towards precocious myeloid differentiation at the expense of self-renewal. <i>Nature Cell Biology</i> , 2016, 18, 607-618.	10.3	519
33	Initial seeding of the embryonic thymus by immune-restricted lympho-myeloid progenitors. <i>Nature Immunology</i> , 2016, 17, 1424-1435.	14.5	49
34	Hematopoietic Lineage Diversification, Simplified. <i>Cell Stem Cell</i> , 2016, 19, 148-150.	11.1	3
35	Early myeloid lineage choice is not initiated by random PU.1 to GATA1 protein ratios. <i>Nature</i> , 2016, 535, 299-302.	27.8	180
36	A dynamic niche provides Kit ligand in a stage-specific manner to the earliest thymocyte progenitors. <i>Nature Cell Biology</i> , 2016, 18, 157-167.	10.3	57

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37	Disease evolution and outcomes in familial AML with germline CEBPA mutations. <i>Blood</i> , 2015, 126, 1214-1223.	1.4	157
38	Pharmacological targeting of the Wdr5-MLL interaction in C/EBP β N-terminal leukemia. <i>Nature Chemical Biology</i> , 2015, 11, 571-578.	8.0	227
39	Interleukin-1 Drives Precocious Myeloid Differentiation of Hematopoietic Stem Cells at the Expense of Self-Renewal. <i>Blood</i> , 2015, 126, 778-778.	1.4	0
40	Erythropoietin guides multipotent hematopoietic progenitor cells toward an erythroid fate. <i>Journal of Experimental Medicine</i> , 2014, 211, 181-188.	8.5	111
41	Myelodysplastic Syndromes Are Propagated by Rare and Distinct Human Cancer Stem Cells In Vivo. <i>Cancer Cell</i> , 2014, 25, 794-808.	16.8	272
42	Platelet-biased stem cells reside at the apex of the haematopoietic stem-cell hierarchy. <i>Nature</i> , 2013, 502, 232-236.	27.8	493
43	FLT3-ITDs Instruct a Myeloid Differentiation and Transformation Bias in Lymphomyeloid Multipotent Progenitors. <i>Cell Reports</i> , 2013, 3, 1766-1776.	6.4	40
44	FOG-1 and GATA-1 act sequentially to specify definitive megakaryocytic and erythroid progenitors. <i>EMBO Journal</i> , 2012, 31, 351-365.	7.8	84
45	Pontin is essential for murine hematopoietic stem cell survival. <i>Haematologica</i> , 2012, 97, 1291-1294.	3.5	41
46	The earliest thymic T cell progenitors sustain B cell and myeloid lineage potential. <i>Nature Immunology</i> , 2012, 13, 412-419.	14.5	132
47	Impact of gene dosage, loss of wild-type allele, and FLT3 ligand on Flt3-ITD-induced myeloproliferation. <i>Blood</i> , 2011, 118, 3613-3621.	1.4	26
48	Transcriptional and translational control of C/EBPs: The case for "deep" genetics to understand physiological function. <i>BioEssays</i> , 2010, 32, 680-686.	2.5	24
49	Hematopoietic Stem Cell Expansion Precedes the Generation of Committed Myeloid Leukemia-Initiating Cells in C/EBP β Mutant AML. <i>Cancer Cell</i> , 2009, 16, 390-400.	16.8	133
50	C/EBP β and β couple interfollicular keratinocyte proliferation arrest to commitment and terminal differentiation. <i>Nature Cell Biology</i> , 2009, 11, 1181-1190.	10.3	101
51	Modeling of C/EBP β Mutant Acute Myeloid Leukemia Reveals a Common Expression Signature of Committed Myeloid Leukemia-Initiating Cells. <i>Cancer Cell</i> , 2008, 13, 299-310.	16.8	225
52	C/EBPs: recipients of extracellular signals through proteome modulation. <i>Current Opinion in Cell Biology</i> , 2008, 20, 180-185.	5.4	89
53	Distinct C/EBP β motifs regulate lipogenic and gluconeogenic gene expression in vivo. <i>EMBO Journal</i> , 2007, 26, 1081-1093.	7.8	85
54	Neurotrophin/Trk receptor signaling mediates C/EBP α , - β and NeuroD recruitment to immediate-early gene promoters in neuronal cells and requires C/EBPs to induce immediate-early gene transcription. <i>Neural Development</i> , 2007, 2, 4.	2.4	63

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55	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
56	Retroviral Insertional Mutagenesis Screen in a C/EBPalpha Proliferative Genetic Background.. Blood, 2006, 108, 4342-4342.	1.4	0
57	Loss of C/EBP β cell cycle control increases myeloid progenitor proliferation and transforms the neutrophil granulocyte lineage. Journal of Experimental Medicine, 2005, 202, 85-96.	8.5	101
58	C/EBP β mutations in acute myeloid leukaemias. Nature Reviews Cancer, 2004, 4, 394-400.	28.4	241
59	E2F Repression by C/EBP β Is Required for Adipogenesis and Granulopoiesis In Vivo. Cell, 2001, 107, 247-258.	28.9	292
60	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
61	GATA-1 interacts with the myeloid PU.1 transcription factor and represses PU.1-dependent transcription. Blood, 2000, 95, 2543-2551.	1.4	312
62	Antagonism between C/EBPbeta and FOG in eosinophil lineage commitment of multipotent hematopoietic progenitors. Genes and Development, 2000, 14, 2515-2525.	5.9	109