

Cornelis Murre

List of Publications by Citations

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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.

60
papers

11,047
citations

37
h-index

65
g-index

65
ext. papers

14,420
ext. citations

18.4
avg, IF

6.03
L-index

#	Paper	IF	Citations
60	Simple combinations of lineage-determining transcription factors prime cis-regulatory elements required for macrophage and B cell identities. <i>Molecular Cell</i> , 2010 , 38, 576-89	17.6	6339
59	A global network of transcription factors, involving E2A, EBF1 and Foxo1, that orchestrates B cell fate. <i>Nature Immunology</i> , 2010 , 11, 635-43	19.1	376
58	Helix-loop-helix proteins and lymphocyte development. <i>Nature Immunology</i> , 2005 , 6, 1079-86	19.1	262
57	The transcriptional regulators Id2 and Id3 control the formation of distinct memory CD8+ T cell subsets. <i>Nature Immunology</i> , 2011 , 12, 1221-9	19.1	254
56	Regulation of the helix-loop-helix proteins, E2A and Id3, by the Ras-ERK MAPK cascade. <i>Nature Immunology</i> , 2001 , 2, 165-71	19.1	226
55	Induction of early B cell factor (EBF) and multiple B lineage genes by the basic helix-loop-helix transcription factor E12. <i>Journal of Experimental Medicine</i> , 1998 , 188, 699-713	16.6	219
54	Global changes in the nuclear positioning of genes and intra- and interdomain genomic interactions that orchestrate B cell fate. <i>Nature Immunology</i> , 2012 , 13, 1196-204	19.1	206
53	E-proteins directly regulate expression of activation-induced deaminase in mature B cells. <i>Nature Immunology</i> , 2003 , 4, 586-93	19.1	200
52	B cell super-enhancers and regulatory clusters recruit AID tumorigenic activity. <i>Cell</i> , 2014 , 159, 1524-37	56.2	186
51	E2A and EBF act in synergy with the V(D)J recombinase to generate a diverse immunoglobulin repertoire in nonlymphoid cells. <i>Molecular Cell</i> , 2000 , 5, 343-53	17.6	178
50	3D trajectories adopted by coding and regulatory DNA elements: first-passage times for genomic interactions. <i>Cell</i> , 2014 , 158, 339-352	56.2	165
49	E proteins and Notch signaling cooperate to promote T cell lineage specification and commitment. <i>Journal of Experimental Medicine</i> , 2006 , 203, 1329-42	16.6	154
48	Early B cell factor cooperates with Runx1 and mediates epigenetic changes associated with mb-1 transcription. <i>Nature Immunology</i> , 2004 , 5, 1069-77	19.1	148
47	Visualization of looping involving the immunoglobulin heavy-chain locus in developing B cells. <i>Genes and Development</i> , 2005 , 19, 322-7	12.6	148
46	Early thymocyte development is regulated by modulation of E2A protein activity. <i>Journal of Experimental Medicine</i> , 2001 , 194, 733-45	16.6	147
45	Non-coding Transcription Instructs Chromatin Folding and Compartmentalization to Dictate Enhancer-Promoter Communication and T Cell Fate. <i>Cell</i> , 2017 , 171, 103-119.e18	56.2	144
44	E2A activity is induced during B-cell activation to promote immunoglobulin class switch recombination. <i>EMBO Journal</i> , 1999 , 18, 6307-18	13	116

43	Chromatin architecture and the generation of antigen receptor diversity. <i>Cell</i> , 2009 , 138, 435-48	56.2	108
42	Positive and negative regulation of V(D)J recombination by the E2A proteins. <i>Journal of Experimental Medicine</i> , 1999 , 189, 289-300	16.6	99
41	Localized gene-specific induction of accessibility to V(D)J recombination induced by E2A and early B cell factor in nonlymphoid cells. <i>Journal of Experimental Medicine</i> , 2001 , 194, 645-56	16.6	87
40	E2A proteins enforce a proliferation checkpoint in developing thymocytes. <i>EMBO Journal</i> , 2004 , 23, 202-11	15.1	84
39	Id2 and Id3 maintain the regulatory T cell pool to suppress inflammatory disease. <i>Nature Immunology</i> , 2014 , 15, 767-76	19.1	82
38	The chromatin remodeler Brg1 activates enhancer repertoires to establish B cell identity and modulate cell growth. <i>Nature Immunology</i> , 2015 , 16, 775-84	19.1	75
37	The role of E-proteins in B- and T-lymphocyte development. <i>Seminars in Immunology</i> , 1998 , 10, 143-53	10.7	75
36	Positive intergenic feedback circuitry, involving EBF1 and FOXO1, orchestrates B-cell fate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 21028-33	11.5	74
35	Receptor editing and marginal zone B cell development are regulated by the helix-loop-helix protein, E2A. <i>Journal of Experimental Medicine</i> , 2004 , 199, 1101-12	16.6	73
34	Chromatin topology and the regulation of antigen receptor assembly. <i>Annual Review of Immunology</i> , 2012 , 30, 337-56	34.7	71
33	The regulation and function of the Id proteins in lymphocyte development. <i>Oncogene</i> , 2001 , 20, 8308-16	9.2	69
32	Distinct roles for E12 and E47 in B cell specification and the sequential rearrangement of immunoglobulin light chain loci. <i>Journal of Experimental Medicine</i> , 2009 , 206, 2271-84	16.6	64
31	The E-Id Protein Axis Specifies Adaptive Lymphoid Cell Identity and Suppresses Thymic Innate Lymphoid Cell Development. <i>Immunity</i> , 2017 , 46, 818-834.e4	32.3	51
30	Chromosome dynamics near the sol-gel phase transition dictate the timing of remote genomic interactions. <i>Nature Communications</i> , 2019 , 10, 2771	17.4	50
29	Early precursors and molecular determinants of tissue-resident memory CD8 T lymphocytes revealed by single-cell RNA sequencing. <i>Science Immunology</i> , 2020 , 5,	28	50
28	CCCTC-Binding Factor Translates Interleukin 2- and [Ketoglutarate-Sensitive Metabolic Changes in T Cells into Context-Dependent Gene Programs. <i>Immunity</i> , 2017 , 47, 251-267.e7	32.3	50
27	Helix-loop-helix proteins and the advent of cellular diversity: 30 years of discovery. <i>Genes and Development</i> , 2019 , 33, 6-25	12.6	43
26	Comprehensive characterization of neutrophil genome topology. <i>Genes and Development</i> , 2017 , 31, 141-158	15.8	42

25	AID targeting: old mysteries and new challenges. <i>Trends in Immunology</i> , 2015 , 36, 527-35	14.4	40
24	New roles for DNA cytosine modification, eRNA, anchors, and superanchors in developing B cell progenitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 12776-81	11.5	39
23	Induction of a diverse T cell receptor gamma/delta repertoire by the helix-loop-helix proteins E2A and HEB in nonlymphoid cells. <i>Journal of Experimental Medicine</i> , 2001 , 193, 769-76	16.6	35
22	The E-Id protein axis modulates the activities of the PI3K-AKT-mTORC1-Hif1a and c-myc/p19Arf pathways to suppress innate variant TFH cell development, thymocyte expansion, and lymphomagenesis. <i>Genes and Development</i> , 2015 , 29, 409-25	12.6	30
21	The establishment of B versus T cell identity. <i>Trends in Immunology</i> , 2014 , 35, 205-10	14.4	30
20	Heterogeneity and clonal relationships of adaptive immune cells in ulcerative colitis revealed by single-cell analyses. <i>Science Immunology</i> , 2020 , 5,	28	30
19	Intertwining proteins in thymocyte development and cancer. <i>Nature Immunology</i> , 2000 , 1, 97-8	19.1	19
18	Id3 Orchestrates Germinal Center B Cell Development. <i>Molecular and Cellular Biology</i> , 2016 , 36, 2543-52	4.8	15
17	CHD4 is essential for transcriptional repression and lineage progression in B lymphopoiesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 10927-10936	11.5	11
16	Defining the pathways of early adult hematopoiesis. <i>Cell Stem Cell</i> , 2007 , 1, 357-8	18	10
15	Upon microbial challenge, human neutrophils undergo rapid changes in nuclear architecture and chromatin folding to orchestrate an immediate inflammatory gene program. <i>Genes and Development</i> , 2020 , 34, 149-165	12.6	10
14	Epigenetics of antigen-receptor gene assembly. <i>Current Opinion in Genetics and Development</i> , 2007 , 17, 415-21	4.9	9
13	Nuclear positioning rather than contraction controls ordered rearrangements of immunoglobulin loci. <i>Nucleic Acids Research</i> , 2016 , 44, 175-86	20.1	8
12	Plasma Cell Fate Is Orchestrated by Elaborate Changes in Genome Compartmentalization and Inter-chromosomal Hubs. <i>Cell Reports</i> , 2020 , 31, 107470	10.6	8
11	FOXO1 constrains activation and regulates senescence in CD8 T cells. <i>Cell Reports</i> , 2021 , 34, 108674	10.6	8
10	Calcium signaling instructs NIPBL recruitment at active enhancers and promoters via distinct mechanisms to reconstruct genome compartmentalization. <i>Genes and Development</i> , 2021 , 35, 65-81	12.6	7
9	Spatial Organization of Chromatin: Transcriptional Control of Adaptive Immune Cell Development. <i>Frontiers in Immunology</i> , 2021 , 12, 633825	8.4	5
8	Id Proteins Suppress E2A-Driven Invariant Natural Killer T Cell Development prior to TCR Selection. <i>Frontiers in Immunology</i> , 2018 , 9, 42	8.4	4

7	A Common Mechanism that Underpins Antibody Diversification. <i>Cell</i> , 2015 , 163, 1055-1056	56.2	3
6	Ensuring an equal playing field for antigen receptor loci variable regions. <i>Journal of Experimental Medicine</i> , 2015 , 212, 2	16.6	2
5	The E protein-TCF1 axis controls T cell development and effector fate. <i>Cell Reports</i> , 2021 , 34, 108716	10.6	2
4	Big bang of B-cell development revealed. <i>Genes and Development</i> , 2018 , 32, 93-95	12.6	1
3	An inter-chromosomal transcription hub activates the unfolded protein response in plasma cells		1
2	Bursty gene expression and mRNA decay pathways orchestrate B cell activation. <i>Science Advances</i> , 2021 , 7, eabm0819	14.3	0
1	Global approaches to identify novel participants that modulate intestinal epithelial cell development. <i>Developmental Cell</i> , 2010 , 19, 647-8	10.2	