Jane Skok

List of Publications by Year in descending order

88 papers	5,677 citations	117625 34 h-index	85541 71 g-index
122 all docs	122 docs citations	122 times ranked	6851 citing authors

#	Article	IF	Citations
1	Subnuclear Compartmentalization of Immunoglobulin Loci During Lymphocyte Development. Science, 2002, 296, 158-162.	12.6	671
2	CTCF establishes discrete functional chromatin domains at the Hox clusters during differentiation. Science, 2015, 347, 1017-1021.	12.6	490
3	Pax5 inducesV-to-DJrearrangements and locus contraction of theimmunoglobulin heavy-chaingene. Genes and Development, 2004, 18, 411-422.	5.9	357
4	Locus 'decontraction' and centromeric recruitment contribute to allelic exclusion of the immunoglobulin heavy-chain gene. Nature Immunology, 2005, 6, 31-41.	14.5	235
5	Yin Yang 1 is a critical regulator of B-cell development. Genes and Development, 2007, 21, 1179-1189.	5.9	223
6	Capturing the Onset of PRC2-Mediated Repressive Domain Formation. Molecular Cell, 2018, 70, 1149-1162.e5.	9.7	222
7	RNA Interactions Are Essential for CTCF-Mediated Genome Organization. Molecular Cell, 2019, 76, 412-422.e5.	9.7	183
8	Nonequivalent nuclear location of immunoglobulin alleles in B lymphocytes. Nature Immunology, 2001, 2, 848-854.	14.5	179
9	Regulation of Immunoglobulin Light-Chain Recombination by the Transcription Factor IRF-4 andÂthe Attenuation of Interleukin-7 Signaling. Immunity, 2008, 28, 335-345.	14.3	167
10	DNA methylation disruption reshapes the hematopoietic differentiation landscape. Nature Genetics, 2020, 52, 378-387.	21.4	154
11	Epigenetic ontogeny of the Igk locus during B cell development. Nature Immunology, 2005, 6, 198-203.	14.5	152
12	Cohesin loss alters adult hematopoietic stem cell homeostasis, leading to myeloproliferative neoplasms. Journal of Experimental Medicine, 2015, 212, 1833-1850.	8.5	145
13	Reversible contraction by looping of the Tcra and Tcrb loci in rearranging thymocytes. Nature Immunology, 2007, 8, 378-387.	14.5	143
14	RAG-1 and ATM coordinate monoallelic recombination and nuclear positioning of immunoglobulin loci. Nature Immunology, 2009, 10, 655-664.	14.5	130
15	CRISPR-dCas9 and sgRNA scaffolds enable dual-colour live imaging of satellite sequences and repeat-enriched individual loci. Nature Communications, 2016, 7, 11707.	12.8	119
16	The RAG2 C terminus suppresses genomic instability and lymphomagenesis. Nature, 2011, 471, 119-123.	27.8	96
17	Low-Grade Astrocytoma Mutations in IDH1, P53, and ATRX Cooperate to Block Differentiation of Human Neural Stem Cells via Repression of SOX2. Cell Reports, 2017, 21, 1267-1280.	6.4	95
18	MED12 Regulates HSC-Specific Enhancers Independently of Mediator Kinase Activity to Control Hematopoiesis. Cell Stem Cell, 2016, 19, 784-799.	11.1	88

#	Article	IF	Citations
19	4C-ker: A Method to Reproducibly Identify Genome-Wide Interactions Captured by 4C-Seq Experiments. PLoS Computational Biology, 2016, 12, e1004780.	3.2	84
20	Association between the Igk and Igh immunoglobulin loci mediated by the 3â€² Igk enhancer induces 'decontraction' of the Igh locus in preâ€“B cells. Nature Immunology, 2008, 9, 396-404.	14.5	79
21	A Multifunctional Element in the Mouse Igî¹ Locus That Specifies Repertoire and Ig Loci Subnuclear Location. Journal of Immunology, 2011, 186, 5356-5366.	0.8	72
22	Î²-Catenin induces T-cell transformation by promoting genomic instability. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 391-396.	7.1	71
23	Long-Range Regulation of V(D)J Recombination. Advances in Immunology, 2015, 128, 123-182.	2.2	65
24	C-Terminal Src Kinase Controls Acute Inflammation and Granulocyte Adhesion. Immunity, 2004, 20, 181-191.	14.3	63
25	Close Proximity to Igh Is a Contributing Factor to AID-Mediated Translocations. Molecular Cell, 2012, 47, 873-885.	9.7	57
26	NSD2 overexpression drives clustered chromatin and transcriptional changes in a subset of insulated domains. Nature Communications, 2019, 10, 4843.	12.8	57
27	Breaking TADs: insights into hierarchical genome organization. Epigenomics, 2015, 7, 523-526.	2.1	50
28	B-1a cells acquire their unique characteristics by bypassing the pre-BCR selection stage. Nature Communications, 2019, 10, 4768.	12.8	49
29	The role of CTCF in regulating V(D)J recombination. Current Opinion in Immunology, 2012, 24, 153-159.	5.5	48
30	CTCF and CTCFL in cancer. Current Opinion in Genetics and Development, 2020, 61, 44-52.	3.3	48
31	Identification of multi-loci hubs from 4C-seq demonstrates the functional importance of simultaneous interactions. Nucleic Acids Research, 2016, 44, 8714-8725.	14.5	47
32	Transcriptional regulation in early B cell development. Current Opinion in Immunology, 2007, 19, 129-136.	5.5	46
33	The pre-B-cell receptor induces silencing of VpreB and Î»5 transcription. EMBO Journal, 2005, 24, 3895-3905.	7.8	43
34	Ontogeny and Vulnerabilities of Drug-Tolerant Persisters in HER2+ Breast Cancer. Cancer Discovery, 2022, 12, 1022-1045.	9.4	43
35	Chromosome dynamics and the regulation of V(D)J recombination. Immunological Reviews, 2010, 237, 43-54.	6.0	41
36	Higher-Order Looping and Nuclear Organization of Tcra Facilitate Targeted RAG Cleavage and Regulated Rearrangement in Recombination Centers. Cell Reports, 2013, 3, 359-370.	6.4	40

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37	Analysis of 3D genomic interactions identifies candidate host genes that transposable elements potentially regulate. Genome Biology, 2018, 19, 216.	8.8	38
38	Distinct genes for fibroblast and serum C1q. Nature, 1981, 292, 549-551.	27.8	37
39	IL-7 Functionally Segregates the Pro-B Cell Stage by Regulating Transcription of Recombination Mediators across Cell Cycle. Journal of Immunology, 2012, 188, 6084-6092.	0.8	37
40	Mediator facilitates transcriptional activation and dynamic long-range contacts at the IgH locus during class switch recombination. Journal of Experimental Medicine, 2016, 213, 303-312.	8.5	37
41	Defining the relative and combined contribution of CTCF and CTCFL to genomic regulation. Genome Biology, 2020, 21, 108.	8.8	37
42	CRISPR and biochemical screens identify MAZ as a cofactor in CTCF-mediated insulation at Hox clusters. Nature Genetics, 2022, 54, 202-212.	21.4	37
43	Dynamic Changes in Accessibility, Nuclear Positioning, Recombination, and Transcription at the Igî² Locus. Journal of Immunology, 2007, 179, 5264-5273.	0.8	35
44	The RAG2 C-terminus and ATM protect genome integrity by controlling antigen receptor gene cleavage. Nature Communications, 2013, 4, 2231.	12.8	35
45	Active and Inactive Enhancers Cooperate to Exert Localized and Long-Range Control of Gene Regulation. Cell Reports, 2016, 15, 2159-2169.	6.4	35
46	miRNAs Are Essential for the Regulation of the PI3K/AKT/FOXO Pathway and Receptor Editing during BÂCell Maturation. Cell Reports, 2016, 17, 2271-2285.	6.4	34
47	RUNX Transcription Factor-Mediated Association of Cd4 and Cd8 Enables Coordinate Gene Regulation. Immunity, 2011, 34, 303-314.	14.3	32
48	Enhancer talk. Epigenomics, 2018, 10, 483-498.	2.1	32
49	A Damage-Independent Role for 53BP1 that Impacts Break Order and Igh Architecture during Class Switch Recombination. Cell Reports, 2016, 16, 48-55.	6.4	29
50	Control of B-1a cell development by instructive BCR signaling. Current Opinion in Immunology, 2018, 51, 24-31.	5.5	29
51	Stage-specific epigenetic regulation of CD4 expression by coordinated enhancer elements during T cell development. Nature Communications, 2018, 9, 3594.	12.8	29
52	Wolf-Hirschhorn Syndrome Candidate 1 Is Necessary for Correct Hematopoietic and B Cell Development. Cell Reports, 2017, 19, 1586-1601.	6.4	28
53	Combined Immunofluorescence and DNA FISH on 3D-preserved Interphase Nuclei to Study Changes in 3D Nuclear Organization. Journal of Visualized Experiments, 2013, , e50087.	0.3	27
54	EpiMethylTag: simultaneous detection of ATAC-seq or ChIP-seq signals with DNA methylation. Genome Biology, 2019, 20, 248.	8.8	27

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55	Rewiring of CD40 is necessary for delivery of rescue signals to B cells in germinal centres and subsequent entry into the memory pool. Immunology, 2001, 102, 263-272.	4.4	19
56	Silencing and Nuclear Repositioning of the Î»5 Gene Locus at the Pre-B Cell Stage Requires Aiolos and OBF-1. PLoS ONE, 2008, 3, e3568.	2.5	19
57	It takes two. Nucleus, 2010, 1, 23-29.	2.2	19
58	A New Take on V(D)J Recombination: Transcription Driven Nuclear and Chromatin Reorganization in Rag-Mediated Cleavage. Frontiers in Immunology, 2013, 4, 423.	4.8	19
59	V _H replacement in primary immunoglobulin repertoire diversification. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E458-66.	7.1	19
60	Epigenetic regulation of V(D)J recombination. Essays in Biochemistry, 2010, 48, 221-243.	4.7	18
61	The IgH locus 3â€² cis-regulatory super-enhancer co-opts AID for allelic transvection. Oncotarget, 2017, 8, 12929-12940.	1.8	14
62	The novel lncRNA BlackMamba controls the neoplastic phenotype of ALKâ˜ anaplastic large cell lymphoma by regulating the DNA helicase HELLS. Leukemia, 2020, 34, 2964-2980.	7.2	13
63	The origin of recurrent translocations in recombining lymphocytes: a balance between break frequency and nuclear proximity. Current Opinion in Cell Biology, 2013, 25, 365-371.	5.4	11
64	Interpreting 4C-Seq data: how far can we go?. Epigenomics, 2014, 6, 455-457.	2.1	11
65	Impaired Expression of Rearranged Immunoglobulin Genes and Premature p53 Activation Block B Cell Development in BMI1 Null Mice. Cell Reports, 2019, 26, 108-118.e4.	6.4	10
66	Scaffold association factor B (SAFB) is required for expression of prenyltransferases and RAS membrane association. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31914-31922.	7.1	9
67	Context-Dependent Requirement of Euchromatic Histone Methyltransferase Activity during Reprogramming to Pluripotency. Stem Cell Reports, 2020, 15, 1233-1245.	4.8	7
68	Finding the Right Partner in a 3D Genome. Science, 2013, 342, 1333-1334.	12.6	6
69	The Conserved ATM Kinase RAG2-S365 Phosphorylation Site Limits Cleavage Events in Individual Cells Independent of Any Repair Defect. Cell Reports, 2017, 21, 979-993.	6.4	6
70	Equal opportunity for all. EMBO Journal, 2012, 31, 1627-1629.	7.8	4
71	Response to Casellas etÂal.. Molecular Cell, 2013, 51, 277-278.	9.7	2
72	RAG Off-Target Activity Is in the Loop. Trends in Molecular Medicine, 2015, 21, 733-735.	6.7	2

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73	The Ig heavy chain protein but not its message controls early B cell development. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31343-31352.	7.1	2
74	V(D)J recombination: a paradigm for studying chromosome interactions in mammalian cells. Epigenomics, 2010, 2, 175-177.	2.1	1
75	Simultaneous Tagmentation-Based Detection of ChIP/ATAC Signal with Sequencing. Methods in Molecular Biology, 2021, 2351, 337-352.	0.9	1
76	The art of chromosome dynamics: an interview with Jane Skok. Epigenomics, 2022, 14, 327-330.	2.1	1
77	Jane Skok: Choreography of allelic exclusion. Journal of Experimental Medicine, 2008, 205, 1514-1515.	8.5	0
78	Taking a break from the lab: can it really be done?. Trends in Cell Biology, 2014, 24, 725-726.	7.9	0
79	Chromatin Folding and Recombination. , 2018, , 475-492.		0
80	STEM-17. LOW GRADE ASTROCYTOMA MUTATIONS COOPERATE TO DISRUPT SOX2 GENOMIC ARCHITECTURE AND BLOCK DIFFERENTIATION VIA PREVIOUSLY UNIDENTIFIED ENHANCER ELEMENTS. Neuro-Oncology, 2019, 21, vi237-vi237.	1.2	0
81	Editorial: From chromatin to dynamic loops and liquid-like phases: New views on the cell nucleus. Current Opinion in Cell Biology, 2021, 70, iii-v.	5.4	0
82	Control of RAG Cleavage Activity Contributes to Maintaining Genome Stability During V(D)J Recombination. Blood, 2011, 118, 2416-2416.	1.4	0
83	The Impact of Nuclear Organization and Homolgous Recombination in Repair of DNA Damage Introduced By Aid during Class Switch Recombination. Blood, 2014, 124, 2738-2738.	1.4	0
84	Cohesin loss alters adult hematopoietic stem cell homeostasis, leading to myeloproliferative neoplasms. Journal of Cell Biology, 2015, 211, 2111OIA225.	5.2	0
85	Regulation of Igh Recombination and Allelic Exclusion. , 2016, , 64-70.		0
86	B-1a Cells Acquire Their Unique Characteristics by Bypassing the Pre-BCR Selection Stage. SSRN Electronic Journal, 0, , .	0.4	0
87	Dysregulation of Epigenetic Landscape Uncovered the Mechanisms Underlying the Relapse of Pediatric Acute Lymphoblastic Leukemia with NSD2 Mutation. Blood, 2021, 138, 3297-3297.	1.4	0
88	Returning to the lab after a career break. Nature Reviews Molecular Cell Biology, 2022, , .	37.0	0