Ranjan Sen

List of Publications by Year in descending order

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49 papers	3,602 citations	218381 26 h-index	197535 49 g-index
77 all docs	77 docs citations	77 times ranked	5935 citing authors

#	Article	IF	Citations
1	Architectural Protein Subclasses Shape 3D Organization of Genomes during Lineage Commitment. Cell, 2013, 153, 1281-1295.	13.5	1,050
2	Aging, inflammation and the environment. Experimental Gerontology, 2018, 105, 10-18.	1.2	267
3	A Plant Homeodomain in Rag-2 that Binds Hypermethylated Lysine 4 of Histone H3 Is Necessary for Efficient Antigen-Receptor-Gene Rearrangement. Immunity, 2007, 27, 561-571.	6.6	236
4	Human T cell immunosenescence and inflammation in aging. Journal of Leukocyte Biology, 2017, 102, 977-988.	1.5	203
5	Pax5 is required for recombination of transcribed, acetylated, 5' IgH V gene segments. Genes and Development, 2003, 17, 37-42.	2.7	141
6	Two Forms of Loops Generate the Chromatin Conformation of the Immunoglobulin Heavy-Chain Gene Locus. Cell, 2011, 147, 332-343.	13.5	139
7	Discovery proteomics in aging human skeletal muscle finds change in spliceosome, immunity, proteostasis and mitochondria. ELife, 2019, 8, .	2.8	132
8	Selectivity of the NF-ÂB Response. Cold Spring Harbor Perspectives in Biology, 2010, 2, a000257-a000257.	2.3	126
9	Transient IL-7/IL-7R Signaling Provides a Mechanism for Feedback Inhibition of Immunoglobulin Heavy Chain Gene Rearrangements. Immunity, 2003, 18, 229-241.	6.6	118
10	Control of B Lymphocyte Apoptosis by the Transcription Factor NF-Î¤B. Immunity, 2006, 25, 871-883.	6.6	93
11	The dynamic changes in cytokine responses in COVID-19: a snapshot of the current state of knowledge. Nature Immunology, 2020, 21, 1146-1151.	7.0	82
12	Repeat Organization and Epigenetic Regulation of the DH-CÎ¼ Domain of the Immunoglobulin Heavy-Chain Gene Locus. Molecular Cell, 2007, 27, 842-850.	4.5	77
13	Extremely Long-Range Chromatin Loops Link Topological Domains to Facilitate a Diverse Antibody Repertoire. Cell Reports, 2016, 14, 896-906.	2.9	75
14	Age-associated changes in human CD4+ T cells point to mitochondrial dysfunction consequent to impaired autophagy. Aging, 2019, 11, 9234-9263.	1.4	63
15	A 220-nucleotide deletion of the intronic enhancer reveals an epigenetic hierarchy in immunoglobulin heavy chain locus activation. Journal of Experimental Medicine, 2009, 206, 1019-1027.	4.2	54
16	Neuroinflammation is associated with infiltration of T cells in Lewy body disease and Î±-synuclein transgenic models. Journal of Neuroinflammation, 2020, 17, 214.	3.1	48
17	Age-associated changes in basal NF-Î¤B function in human CD4+ T lymphocytes via dysregulation of PI3 kinase. Aging, 2014, 6, 957-969.	1.4	44
18	Flexible ordering of antibody class switch and V(D)J joining during B-cell ontogeny. Genes and Development, 2013, 27, 2439-2444.	2.7	43

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19	Spt5 accumulation at variable genes distinguishes somatic hypermutation in germinal center B cells from ex vivoâ€“activated cells. Journal of Experimental Medicine, 2014, 211, 2297-2306.	4.2	43
20	Localized epigenetic changes induced by DH recombination restricts recombinase to DJH junctions. Nature Immunology, 2012, 13, 1205-1212.	7.0	42
21	A structural hierarchy mediated by multiple nuclear factors establishes IgH locus conformation. Genes and Development, 2015, 29, 1683-1695.	2.7	40
22	IL-1R signaling promotes STAT3 and NF-ÎºB factor recruitment to distal cis-regulatory elements that regulate Il17a/f transcription. Journal of Biological Chemistry, 2018, 293, 15790-15800.	1.6	40
23	Transcriptional outcomes and kinetic patterning of gene expression in response to NF-ÎºB activation. PLoS Biology, 2018, 16, e2006347.	2.6	37
24	Chromatin Interactions in the Control of Immunoglobulin Heavy Chain Gene Assembly. Advances in Immunology, 2015, 128, 41-92.	1.1	35
25	Sequential Enhancer Sequestration Dysregulates Recombination Center Formation at the IgH Locus. Molecular Cell, 2018, 70, 21-33.e6.	4.5	35
26	Genetic and epigenetic regulation of IgH gene assembly. Current Opinion in Immunology, 2006, 18, 237-242.	2.4	32
27	DNA methylation signatures reveal that distinct combinations of transcription factors specify human immune cell epigenetic identity. Immunity, 2021, 54, 2465-2480.e5.	6.6	31
28	Divergence of transcriptional landscape occurs early in B cell activation. Epigenetics and Chromatin, 2015, 8, 20.	1.8	28
29	Aging Converts Innate B1a Cells into Potent CD8+ T Cell Inducers. Journal of Immunology, 2016, 196, 3385-3397.	0.4	27
30	Localized DNA Demethylation at Recombination Intermediates during Immunoglobulin Heavy Chain Gene Assembly. PLoS Biology, 2013, 11, e1001475.	2.6	24
31	Constraints Contributed by Chromatin Looping Limit Recombination Targeting during Ig Class Switch Recombination. Journal of Immunology, 2015, 194, 2380-2389.	0.4	24
32	Memories of lost enhancers: Figure 1.. Genes and Development, 2010, 24, 973-979.	2.7	19
33	The origins of NF-ÎºB. Nature Immunology, 2011, 12, 686-688.	7.0	18
34	Mechanisms for feedback inhibition of the immunoglobulin heavy chain locus. Current Opinion in Immunology, 2004, 16, 235-240.	2.4	17
35	Ageâ€associated expression of p21and p53 during human wound healing. Aging Cell, 2021, 20, e13354.	3.0	15
36	RAGsâ€™ eye view of the immunoglobulin heavy chain gene locus. Seminars in Immunology, 2010, 22, 337-345.	2.7	14

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37	Altered 3D chromatin structure permits inversional recombination at the IgH locus. Science Advances, 2020, 6, eaaz8850.	4.7	13
38	YY1 controls EÎ¼-3â€²RR DNA loop formation and immunoglobulin heavy chain class switch recombination. Blood Advances, 2016, 1, 15-20.	2.5	12
39	NF-ÎºB and the Immunoglobulin Îº Gene Enhancer. Journal of Experimental Medicine, 2004, 200, 1099-1102.	4.2	11
40	The RAG-2 Inhibitory Domain Gates Accessibility of the V(D)J Recombinase to Chromatin. Molecular and Cellular Biology, 2018, 38, .	1.1	9
41	Immune Differentiation Regulator p100 Tunes NF-ÎºB Responses to TNF. Frontiers in Immunology, 2019, 10, 997.	2.2	9
42	YY1 control of mitochondrialâ€related genes does not account for regulation of immunoglobulin class switch recombination in mice. European Journal of Immunology, 2020, 50, 822-838.	1.6	7
43	mTOR-Dependent and Independent Survival Signaling by PI3K in B Lymphocytes. PLoS ONE, 2016, 11, e0146955.	1.1	6
44	Evolving adaptive immunity. Genes and Development, 2016, 30, 873-875.	2.7	6
45	Postmitotic G1 phase survivin drives mitogen-independent cell division of B lymphocytes. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2115567119.	3.3	5
46	Transcription, Splicing, and Release: Are We There Yet?. Cell, 2012, 150, 241-243.	13.5	4
47	Access Guide to Antigen Receptor Genes. Journal of Immunology, 2017, 199, 3-4.	0.4	3
48	Misregulation of the IgH Locus in Thymocytes. Frontiers in Immunology, 2018, 9, 2426.	2.2	3
49	A Pioneerâ€™s Tail. Immunity, 2016, 44, 516-518.	6.6	0