

# Jayanta Chaudhuri

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

5,188  
citations

172457

29  
h-index

161849

54  
g-index

68  
all docs

68  
docs citations

68  
times ranked

4989  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcription-targeted DNA deamination by the AID antibody diversification enzyme. <i>Nature</i> , 2003, 422, 726-730.	27.8	681
2	Interplay of p53 and DNA-repair protein XRCC4 in tumorigenesis, genomic stability and development. <i>Nature</i> , 2000, 404, 897-900.	27.8	541
3	Class-switch recombination: interplay of transcription, DNA deamination and DNA repair. <i>Nature Reviews Immunology</i> , 2004, 4, 541-552.	22.7	508
4	Replication protein A interacts with AID to promote deamination of somatic hypermutation targets. <i>Nature</i> , 2004, 430, 992-998.	27.8	348
5	Telomere dysfunction impairs DNA repair and enhances sensitivity to ionizing radiation. <i>Nature Genetics</i> , 2000, 26, 85-88.	21.4	297
6	The AID antibody diversification enzyme is regulated by protein kinase A phosphorylation. <i>Nature</i> , 2005, 438, 508-511.	27.8	240
7	Evolution of the Immunoglobulin Heavy Chain Class Switch Recombination Mechanism. <i>Advances in Immunology</i> , 2007, 94, 157-214.	2.2	221
8	Induction of activation-induced cytidine deaminase gene expression by IL-4 and CD40 ligation is dependent on STAT6 and NFAB. <i>International Immunology</i> , 2004, 16, 395-404.	4.0	177
9	CtIP promotes microhomology-mediated alternative end joining during class-switch recombination. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 75-79.	8.2	171
10	Non-coding RNA Generated following Lariat Debranching Mediates Targeting of AID to DNA. <i>Cell</i> , 2015, 161, 762-773.	28.9	159
11	Mutations, kataegis and translocations in B cells: understanding AID promiscuous activity. <i>Nature Reviews Immunology</i> , 2016, 16, 164-176.	22.7	153
12	An evolutionarily conserved target motif for immunoglobulin class-switch recombination. <i>Nature Immunology</i> , 2004, 5, 1275-1281.	14.5	150
13	Regulation of Immunoglobulin Class-Switch Recombination. <i>Advances in Immunology</i> , 2014, 122, 1-57.	2.2	118
14	The splicing regulator PTBP2 interacts with the cytidine deaminase AID and promotes binding of AID to switch-region DNA. <i>Nature Immunology</i> , 2011, 12, 160-166.	14.5	108
15	Specific recruitment of protein kinase A to the immunoglobulin locus regulates class-switch recombination. <i>Nature Immunology</i> , 2009, 10, 420-426.	14.5	102
16	Integrity of the AID serine-38 phosphorylation site is critical for class switch recombination and somatic hypermutation in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2717-2722.	7.1	97
17	TIRR regulates 53BP1 by masking its histone methyl-lysine binding function. <i>Nature</i> , 2017, 543, 211-216.	27.8	96
18	DNA Methylation Dynamics of Germinal Center B Cells Are Mediated by AID. <i>Cell Reports</i> , 2015, 12, 2086-2098.	6.4	87

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19	The aryl hydrocarbon receptor controls cell-fate decisions in B cells. <i>Journal of Experimental Medicine</i> , 2017, 214, 197-208.	8.5	83
20	AID stabilizes stem-cell phenotype by removing epigenetic memory of pluripotency genes. <i>Nature</i> , 2013, 500, 89-92.	27.8	78
21	MRI Is a DNA Damage Response Adaptor during Classical Non-homologous End Joining. <i>Molecular Cell</i> , 2018, 71, 332-342.e8.	9.7	76
22	TBL1XR1 Mutations Drive Extranodal Lymphoma by Inducing a Pro-tumorigenic Memory Fate. <i>Cell</i> , 2020, 182, 297-316.e27.	28.9	63
23	A DNA break- and phosphorylation-dependent positive feedback loop promotes immunoglobulin class-switch recombination. <i>Nature Immunology</i> , 2013, 14, 1183-1189.	14.5	58
24	Outflanking immunodominance to target subdominant broadly neutralizing epitopes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13474-13479.	7.1	57
25	AICDA drives epigenetic heterogeneity and accelerates germinal center-derived lymphomagenesis. <i>Nature Communications</i> , 2018, 9, 222.	12.8	51
26	ATM loss leads to synthetic lethality in BRCA1 BRCT mutant mice associated with exacerbated defects in homology-directed repair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7665-7670.	7.1	48
27	Biological function of activation-induced cytidine deaminase (AID). <i>Biomedical Journal</i> , 2014, 37, 269.	3.1	40
28	A transcriptional sereneAID: the role of noncoding RNAs in class switch recombination. <i>International Immunology</i> , 2017, 29, 183-196.	4.0	36
29	miR-182 Is Largely Dispensable for Adaptive Immunity: Lack of Correlation between Expression and Function. <i>Journal of Immunology</i> , 2015, 194, 2635-2642.	0.8	31
30	Combinatorial mechanisms regulating AID-dependent DNA deamination: Interacting proteins and post-translational modifications. <i>Seminars in Immunology</i> , 2012, 24, 264-272.	5.6	30
31	Temporal dynamics of persistent germinal centers and memory B cell differentiation following respiratory virus infection. <i>Cell Reports</i> , 2021, 37, 109961.	6.4	28
32	Binding of AID to DNA Does Not Correlate with Mutator Activity. <i>Journal of Immunology</i> , 2014, 193, 252-257.	0.8	25
33	AIDing Chromatin and Transcription-Coupled Orchestration of Immunoglobulin Class-Switch Recombination. <i>Frontiers in Immunology</i> , 2014, 5, 120.	4.8	24
34	A Hyper-IgM Syndrome Mutation in Activation-Induced Cytidine Deaminase Disrupts G-Quadruplex Binding and Genome-wide Chromatin Localization. <i>Immunity</i> , 2020, 53, 952-970.e11.	14.3	21
35	Assembly of a spatial circuit of T-bet-expressing T and B lymphocytes is required for antiviral humoral immunity. <i>Science Immunology</i> , 2021, 6, .	11.9	21
36	RNA editing packs a one-two punch. <i>Nature</i> , 2017, 542, 420-421.	27.8	19

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37	Aid is a key regulator of myeloid/erythroid differentiation and DNA methylation in hematopoietic stem/progenitor cells. <i>Blood</i> , 2017, 129, 1779-1790.	1.4	18
38	Epigenetic Codes Programing Class Switch Recombination. <i>Frontiers in Immunology</i> , 2015, 6, 405.	4.8	14
39	AID Invited to the G4 Summit. <i>Molecular Cell</i> , 2017, 67, 355-357.	9.7	13
40	Walking the AID tightrope. <i>Nature Immunology</i> , 2010, 11, 107-109.	14.5	11
41	Generating and repairing genetically programmed DNA breaks during immunoglobulin class switch recombination. <i>F1000Research</i> , 2018, 7, 458.	1.6	11
42	Distinct Requirements of CHD4 during B Cell Development and Antibody Response. <i>Cell Reports</i> , 2019, 27, 1472-1486.e5.	6.4	11
43	<scp>NME</scp> proteins regulate class switch recombination. <i>FEBS Letters</i> , 2019, 593, 80-87.	2.8	10
44	Defining ATM-Independent Functions of the Mre11 Complex with a Novel Mouse Model. <i>Molecular Cancer Research</i> , 2016, 14, 185-195.	3.4	9
45	The B Cell Activation-Induced miR-183 Cluster Plays a Minimal Role in Canonical Primary Humoral Responses. <i>Journal of Immunology</i> , 2019, 202, 1383-1396.	0.8	8
46	Triple-helix potential of the mouse genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2203967119.	7.1	8
47	IMMUNOLOGY: Antibodies Get a Break. <i>Science</i> , 2007, 315, 335-336.	12.6	6
48	Cutting Edge: ATM Influences Germinal Center Integrity. <i>Journal of Immunology</i> , 2019, 202, 3137-3142.	0.8	6
49	Loss of H3K36 Methyltransferase SETD2 Impairs V(D)J Recombination during Lymphoid Development. <i>IScience</i> , 2020, 23, 100941.	4.1	6
50	Regulating infidelity: RNA-mediated recruitment of AID to DNA during class switch recombination. <i>European Journal of Immunology</i> , 2016, 46, 523-530.	2.9	5
51	BRCT-domain protein BRIT1 influences class switch recombination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8354-8359.	7.1	5
52	Editorial: B Cell Activation and Differentiation: New Perspectives on an Enduring Topic. <i>Frontiers in Immunology</i> , 2021, 12, 797548.	4.8	2
53	Partners in Diversity: The Search for AID Co-Factors. <i>Modular Medicine and Medicinal</i> , 2010, , 62-82.	0.4	1
54	Uncoupling the DSB End-Protecting and CSR-Promoting Functions of 53BP1. <i>Cell Reports</i> , 2019, 28, 1387-1388.	6.4	1

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55	Cutting Edge: The Transcription Factor Sox2 Regulates AID Expression in Class-Switched B Cells. Journal of Immunology, 2017, 198, 2244-2248.	0.8	0
56	Revisiting the Promethean Dream: The Role of Activation-Induced Cytidine Deaminase in the Induction to Pluripotency. FASEB Journal, 2015, 29, 1029.13.	0.5	0