

Javier M Di Noia

List of Publications by Year in descending order

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60
papers

5,170
citations

136950

32
h-index

149698

56
g-index

62
all docs

62
docs citations

62
times ranked

5358
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Mechanisms of Antibody Somatic Hypermutation. Annual Review of Biochemistry, 2007, 76, 1-22.	11.1	906
2	Altering the pathway of immunoglobulin hypermutation by inhibiting uracil-DNA glycosylase. Nature, 2002, 419, 43-48.	27.8	541
3	Mismatch Recognition and Uracil Excision Provide Complementary Paths to Both Ig Switching and the A/T-Focused Phase of Somatic Mutation. Molecular Cell, 2004, 16, 163-171.	9.7	428
4	Tumor suppressor and deubiquitinase BAP1 promotes DNA double-strand break repair. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 285-290.	7.1	300
5	Trypanosoma cruzi surface mucins: host-dependent coat diversity. Nature Reviews Microbiology, 2006, 4, 229-236.	28.6	278
6	Immunity through DNA deamination. Trends in Biochemical Sciences, 2003, 28, 305-312.	7.5	214
7	Molecular Mechanisms of Somatic Hypermutation and Class Switch Recombination. Advances in Immunology, 2017, 133, 37-87.	2.2	206
8	Mutations, kataegis and translocations in B cells: understanding AID promiscuous activity. Nature Reviews Immunology, 2016, 16, 164-176.	22.7	153
9	A Trypanosoma cruzi Small Surface Molecule Provides the First Immunological Evidence that Chagas' Disease Is Due to a Single Parasite Lineage. Journal of Experimental Medicine, 2002, 195, 401-413.	8.5	133
10	Somatic hypermutation at A-T pairs: polymerase error versus dUTP incorporation. Nature Reviews Immunology, 2005, 5, 171-178.	22.7	132
11	AU-rich Elements in the 5'-Untranslated Region of a New Mucin-type Gene Family of Trypanosoma cruzi Confers mRNA Instability and Modulates Translation Efficiency. Journal of Biological Chemistry, 2000, 275, 10218-10227.	3.4	126
12	Active nuclear import and cytoplasmic retention of activation-induced deaminase. Nature Structural and Molecular Biology, 2009, 16, 517-527.	8.2	124
13	Trypanosoma cruzi clonal diversity and the epidemiology of Chagas' disease. Microbes and Infection, 2003, 5, 419-427.	1.9	101
14	AID in Antibody Diversification: There and Back Again. Trends in Immunology, 2020, 41, 586-600.	6.8	91
15	SMUG1 is able to excise uracil from immunoglobulin genes: insight into mutation versus repair. EMBO Journal, 2006, 25, 585-595.	7.8	90
16	Regulation of activation-induced deaminase stability and antibody gene diversification by Hsp90. Journal of Experimental Medicine, 2010, 207, 2751-2765.	8.5	89
17	The Surface Coat of the Mammal-dwelling Infective Trypomastigote Stage of Trypanosoma cruzi Is Formed by Highly Diverse Immunogenic Mucins. Journal of Biological Chemistry, 2004, 279, 15860-15869.	3.4	79
18	The Trypanosoma cruzi Mucin Family Is Transcribed from Hundreds of Genes Having Hypervariable Regions. Journal of Biological Chemistry, 1998, 273, 10843-10850.	3.4	74

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19	Immunoglobulin gene conversion in chicken DT40 cells largely proceeds through an abasic site intermediate generated by excision of the uracil produced by AID-mediated deoxycytidine deamination. <i>European Journal of Immunology</i> , 2004, 34, 504-508.	2.9	71
20	Activation-induced cytidine deaminase (AID) is necessary for the epithelial to mesenchymal transition in mammary epithelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2977-86.	7.1	67
21	The Protozoan <i>Trypanosoma cruzi</i> Has a Family of Genes Resembling the Mucin Genes of Mammalian Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 24146-24149.	3.4	61
22	Dependence of antibody gene diversification on uracil excision. <i>Journal of Experimental Medicine</i> , 2007, 204, 3209-3219.	8.5	61
23	PRMT5 is essential for B cell development and germinal center dynamics. <i>Nature Communications</i> , 2019, 10, 22.	12.8	61
24	Activation induced deaminase C-terminal domain links DNA breaks to end protection and repair during class switch recombination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E988-97.	7.1	52
25	<i>Trypanosoma cruzi</i> Surface Mucins with Exposed Variant Epitopes. <i>Journal of Biological Chemistry</i> , 2000, 275, 27671-27680.	3.4	48
26	Roles for APRIN (PDS5B) in homologous recombination and in ovarian cancer prediction. <i>Nucleic Acids Research</i> , 2016, 44, 10879-10897.	14.5	47
27	Evaluation of a Recombinant <i>Trypanosoma cruzi</i> Mucin-Like Antigen for Serodiagnosis of Chagas' Disease. <i>Vaccine Journal</i> , 2011, 18, 1850-1855.	3.1	46
28	High Diversity in Mucin Genes and Mucin Molecules in <i>Trypanosoma cruzi</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 32078-32083.	3.4	44
29	Alternative End-Joining and Classical Nonhomologous End-Joining Pathways Repair Different Types of Double-Strand Breaks during Class-Switch Recombination. <i>Journal of Immunology</i> , 2013, 191, 5751-5763.	0.8	43
30	Optimal functional levels of activation-induced deaminase specifically require the Hsp40 Dnaja1. <i>EMBO Journal</i> , 2012, 31, 679-691.	7.8	35
31	Consecutive interactions with HSP90 and eEF1A underlie a functional maturation and storage pathway of AID in the cytoplasm. <i>Journal of Experimental Medicine</i> , 2015, 212, 581-596.	8.5	35
32	A licensing step links AID to transcription elongation for mutagenesis in B cells. <i>Nature Communications</i> , 2018, 9, 1248.	12.8	35
33	Activation induced deaminase: How much and where?. <i>Seminars in Immunology</i> , 2012, 24, 246-254.	5.6	33
34	Differential accumulation of mutations localized in particular domains of the mucin genes expressed in the vertebrate host stage of <i>Trypanosoma cruzi</i> . <i>Molecular and Biochemical Parasitology</i> , 2004, 133, 81-91.	1.1	32
35	A Combined Nuclear and Nucleolar Localization Motif in Activation-Induced Cytidine Deaminase (AID) Controls Immunoglobulin Class Switching. <i>Journal of Molecular Biology</i> , 2013, 425, 424-443.	4.2	32
36	Separation of Function between Isotype Switching and Affinity Maturation In Vivo during Acute Immune Responses and Circulating Autoantibodies in UNG-Deficient Mice. <i>Journal of Immunology</i> , 2013, 190, 5949-5960.	0.8	32

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37	Immunocharacterization of the mucin-type proteins from the intracellular stage of <i>Trypanosoma cruzi</i> . <i>Microbes and Infection</i> , 2006, 8, 401-409.	1.9	30
38	FAM72A antagonizes UNG2 to promote mutagenic repair during antibody maturation. <i>Nature</i> , 2021, 600, 324-328.	27.8	29
39	The mechanisms regulating the subcellular localization of AID. <i>Nucleus</i> , 2010, 1, 325-331.	2.2	28
40	UNG protects B cells from AID-induced telomere loss. <i>Journal of Experimental Medicine</i> , 2016, 213, 2459-2472.	8.5	27
41	<i>Trypanosoma cruzi</i> surface mucin TcMuc-e2 expressed on higher eukaryotic cells induces human T cell anergy, which is reversible. <i>Glycobiology</i> , 2002, 12, 25-32.	2.5	26
42	Gene Discovery in the Freshwater Fish Parasite <i>Trypanosoma carassii</i> : Identification of trans-Sialidase-Like and Mucin-Like Genes. <i>Infection and Immunity</i> , 2002, 70, 7140-7144.	2.2	19
43	HSP90 inhibitors decrease AID levels and activity in mice and in human cells. <i>European Journal of Immunology</i> , 2015, 45, 2365-2376.	2.9	14
44	Ibrutinib therapy downregulates AID enzyme and proliferative fractions in chronic lymphocytic leukemia. <i>Blood</i> , 2019, 133, 2056-2068.	1.4	14
45	MSH6- or PMS2-deficiency causes re-replication in DT40 B cells, but it has little effect on immunoglobulin gene conversion or on repair of AID-generated uracils. <i>Nucleic Acids Research</i> , 2013, 41, 3032-3046.	14.5	12
46	Activation-induced cytidine deaminase targets SUV4-20-mediated histone H4K20 trimethylation to class-switch recombination sites. <i>Scientific Reports</i> , 2017, 7, 7594.	3.3	10
47	The uracil-DNA glycosylase UNG protects the fitness of normal and cancer B cells expressing AID. <i>NAR Cancer</i> , 2021, 2, zcaa019.	3.1	10
48	AID overexpression leads to aggressive murine CLL and nonimmunoglobulin mutations that mirror human neoplasms. <i>Blood</i> , 2021, 138, 246-258.	1.4	10
49	Regulation of B Lymphocyte Development by Histone H2A Deubiquitinase BAP1. <i>Frontiers in Immunology</i> , 2021, 12, 626418.	4.8	8
50	SLAM family receptors control pro-survival effectors in germinal center B cells to promote humoral immunity. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	8
51	Origins and Consequences of AID Expression in Lymphoid Neoplasms. <i>Current Immunology Reviews</i> , 2013, 9, 72-85.	1.2	6
52	Autoimmunity and antibody affinity maturation are modulated by genetic variants on mouse chromosome 12. <i>Journal of Autoimmunity</i> , 2015, 58, 90-99.	6.5	4
53	Unequal opportunity during class switching. <i>Nature</i> , 2015, 525, 44-45.	27.8	4
54	Characterization of ADAT2/3 molecules in <i>Trypanosoma cruzi</i> and regulation of mucin gene expression by tRNA editing. <i>Biochemical Journal</i> , 2022, 479, 561-580.	3.7	4

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55	The mechanism of somatic hypermutation at AAT pairs remains an open question. Nature Reviews Immunology, 2005, 5, 180-180.	22.7	1
56	Pharmacological manipulation of AID. Oncotarget, 2015, 6, 26550-26551.	1.8	1
57	Regulatory Mechanisms of AID Function. Molecular Medicine and Biotechnology, 2010, , 127-151.	0.4	0
58	AID in Somatic Hypermutation and Class Switch Recombination. , 2016, , 115-125.		0
59	Consecutive interactions with HSP90 and eEF1A underlie a functional maturation and storage pathway of AID in the cytoplasm. Journal of Cell Biology, 2015, 209, 2091-2104.	5.2	0
60	Cell-based Assays to Monitor AID Activity. Bio-protocol, 2016, 6, .	0.4	0