

Nasim A Begum

List of Publications by Year in descending order

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47
papers

2,503
citations

201674

27
h-index

233421

45
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49
all docs

49
docs citations

49
times ranked

2808
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation-induced cytidine deaminase shuttles between nucleus and cytoplasm like apolipoprotein B mRNA editing catalytic polypeptide 1. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1975-1980.	7.1	271
2	Separate domains of AID are required for somatic hypermutation and class-switch recombination. Nature Immunology, 2004, 5, 707-712.	14.5	199
3	Mycobacterium bovis BCG Cell Wall and Lipopolysaccharide Induce a Novel Gene, BIGM103, Encoding a 7-TM Protein: Identification of a New Protein Family Having Zn-Transporter and Zn-Metalloprotease Signatures. Genomics, 2002, 80, 630-645.	2.9	142
4	Mycoplasma fermentans Lipoprotein M161Ag-Induced Cell Activation Is Mediated by Toll-Like Receptor 2: Role of N-Terminal Hydrophobic Portion in its Multiple Functions. Journal of Immunology, 2001, 166, 2610-2616.	0.8	115
5	Uracil DNA Glycosylase Activity Is Dispensable for Immunoglobulin Class Switch. Science, 2004, 305, 1160-1163.	12.6	112
6	Differential Type I IFN-Inducing Abilities of Wild-Type versus Vaccine Strains of Measles Virus. Journal of Immunology, 2007, 179, 6123-6133.	0.8	112
7	B cell-specific and stimulation-responsive enhancers derepress Aicda by overcoming the effects of silencers. Nature Immunology, 2010, 11, 148-154.	14.5	111
8	Discovery of Activation-Induced Cytidine Deaminase, the Engraver of Antibody Memory. Advances in Immunology, 2007, 94, 1-36.	2.2	105
9	Histone3 lysine4 trimethylation regulated by the facilitates chromatin transcription complex is critical for DNA cleavage in class switch recombination. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 22190-22195.	7.1	100
10	Mycobacterium bovis Bacillus Calmette-Guerin and Its Cell Wall Complex Induce a Novel Lysosomal Membrane Protein, SIMPLE, That Bridges the Missing Link between Lipopolysaccharide and p53-inducible Gene, LITAF(PIG7), and Estrogen-inducible Gene, EET-1. Journal of Biological Chemistry, 2001, 276, 23065-23076.	3.4	89
11	Chromatin Reader Brd4 Functions in Ig Class Switching as a Repair Complex Adaptor of Nonhomologous End-Joining. Molecular Cell, 2014, 55, 97-110.	9.7	74
12	Mycobacterium bovis BCG Cell Wall-Specific Differentially Expressed Genes Identified by Differential Display and cDNA Subtraction in Human Macrophages. Infection and Immunity, 2004, 72, 937-948.	2.2	71
13	A target selection of somatic hypermutations is regulated similarly between T and B cells upon activation-induced cytidine deaminase expression. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4506-4511.	7.1	70
14	AID-induced decrease in topoisomerase 1 induces DNA structural alteration and DNA cleavage for class switch recombination. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22375-22380.	7.1	66
15	The Histone Chaperone Spt6 Is Required for Activation-induced Cytidine Deaminase Target Determination through H3K4me3 Regulation. Journal of Biological Chemistry, 2012, 287, 32415-32429.	3.4	66
16	Chromatin remodeller SMARCA4 recruits topoisomerase 1 and suppresses transcription-associated genomic instability. Nature Communications, 2016, 7, 10549.	12.8	65
17	Nonimmunoglobulin target loci of activation-induced cytidine deaminase (AID) share unique features with immunoglobulin genes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2479-2484.	7.1	64
18	An Evolutionary View of the Mechanism for Immune and Genome Diversity. Journal of Immunology, 2012, 188, 3559-3566.	0.8	55

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19	The DSIF Subunits Spt4 and Spt5 Have Distinct Roles at Various Phases of Immunoglobulin Class Switch Recombination. <i>PLoS Genetics</i> , 2012, 8, e1002675.	3.5	45
20	Requirement of Non-canonical Activity of Uracil DNA Glycosylase for Class Switch Recombination. <i>Journal of Biological Chemistry</i> , 2007, 282, 731-742.	3.4	43
21	Accumulation of the FACT complex, as well as histone H3.3, serves as a target marker for somatic hypermutation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7784-7789.	7.1	41
22	De novo protein synthesis is required for activation-induced cytidine deaminase-dependent DNA cleavage in immunoglobulin class switch recombination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13003-13007.	7.1	39
23	Further evidence for involvement of a noncanonical function of uracil DNA glycosylase in class switch recombination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2752-2757.	7.1	39
24	Functional requirements of AID's higher order structures and their interaction with RNA-binding proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1545-54.	7.1	38
25	Apex2 is required for efficient somatic hypermutation but not for class switch recombination of immunoglobulin genes. <i>International Immunology</i> , 2009, 21, 947-955.	4.0	37
26	Identification of DNA cleavage- and recombination-specific hnRNP cofactors for activation-induced cytidine deaminase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5791-5796.	7.1	32
27	The AID Dilemma. <i>Advances in Cancer Research</i> , 2012, 113, 1-44.	5.0	32
28	X4 and R5 HIV-1 Have Distinct Post-entry Requirements for Uracil DNA Glycosylase during Infection of Primary Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 18603-18614.	3.4	27
29	C-terminal region of activation-induced cytidine deaminase (AID) is required for efficient class switch recombination and gene conversion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2253-2258.	7.1	25
30	<sc>SAMHD</sc> 1-mediated <sc>dNTP</sc> degradation is required for efficient <sc>DNA</sc> repair during antibody class switch recombination. <i>EMBO Journal</i> , 2020, 39, e102931.	7.8	23
31	Molecular mechanism for generation of antibody memory. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 569-575.	4.0	22
32	Differential regulation of S-region hypermutation and class-switch recombination by noncanonical functions of uracil DNA glycosylase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1016-24.	7.1	20
33	Structural-functional relationship of pathogen-associated molecular patterns: lessons from BCG cell wall skeleton and mycoplasma lipoprotein M161Ag. <i>Microbes and Infection</i> , 2002, 4, 955-961.	1.9	17
34	Phf5a regulates DNA repair in class switch recombination via p400 and histone H2A variant deposition. <i>EMBO Journal</i> , 2021, 40, e106393.	7.8	16
35	Human MD-1 Homologue Is a BCG-Regulated Gene Product in Monocytes: Its Identification by Differential Display. <i>Biochemical and Biophysical Research Communications</i> , 1999, 256, 325-329.	2.1	14
36	Opinion: uracil DNA glycosylase (UNG) plays distinct and non-canonical roles in somatic hypermutation and class switch recombination. <i>International Immunology</i> , 2014, 26, 575-578.	4.0	14

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37	Identification and characterization of a silencer regulatory element in the 3' flanking region of the murine CD46 gene. <i>Biochemical Journal</i> , 2000, 351, 353-365.	3.7	13
38	Evolutionary Comparison of the Mechanism of DNA Cleavage with Respect to Immune Diversity and Genomic Instability. <i>Biochemistry</i> , 2012, 51, 5243-5256.	2.5	12
39	Regulation of AID Function In Vivo. , 2007, 596, 71-81.		12
40	Recombinant interleukin-12 and interleukin-18 antitumor therapy in a guinea-pig hepatoma cell implant model. <i>Cancer Science</i> , 2007, 98, 1936-1942.	3.9	11
41	Depletion of recombination-specific cofactors by the C-terminal mutant of the activation-induced cytidine deaminase causes the dominant negative effect on class switch recombination. <i>International Immunology</i> , 2017, 29, 525-537.	4.0	11
42	Innate Immune Therapy For Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2002, 465, 229-237.	1.6	10
43	RNA-binding motifs of hnRNP K are critical for induction of antibody diversification by activation-induced cytidine deaminase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11624-11635.	7.1	9
44	Nucleotide Pool Imbalance and Antibody Gene Diversification. <i>Vaccines</i> , 2021, 9, 1050.	4.4	3
45	Native Co-immunoprecipitation Assay to Identify Interacting Partners of Chromatin-associated Proteins in Mammalian Cells. <i>Bio-protocol</i> , 2020, 10, e3837.	0.4	3
46	Molecular Mechanisms of AID Function. , 2015, , 305-344.		1
47	Author's reply: Apex2 is required for efficient somatic hypermutation but not for class switch recombination of immunoglobulin genes. <i>International Immunology</i> , 2010, 22, 213-214.	4.0	0