

# Hong Zan

## List of Publications by Year in descending order

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42  
papers

2,334  
citations

257101

24  
h-index

315357

38  
g-index

44  
all docs

44  
docs citations

44  
times ranked

3488  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immunoglobulin class-switch DNA recombination: induction, targeting and beyond. <i>Nature Reviews Immunology</i> , 2012, 12, 517-531.	10.6	362
2	BCR-signalling synergizes with TLR-signalling for induction of AID and immunoglobulin class-switching through the non-canonical NF- $\kappa$ B pathway. <i>Nature Communications</i> , 2012, 3, 767.	5.8	204
3	B cell-intrinsic epigenetic modulation of antibody responses by dietary fiber-derived short-chain fatty acids. <i>Nature Communications</i> , 2020, 11, 60.	5.8	190
4	HoxC4 binds to the promoter of the cytidine deaminase AID gene to induce AID expression, class-switch DNA recombination and somatic hypermutation. <i>Nature Immunology</i> , 2009, 10, 540-550.	7.0	134
5	14-3-3 adaptor proteins recruit AID to 5'-AGCT-3'-rich switch regions for class switch recombination. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 1124-1135.	3.6	122
6	The translesion DNA polymerase $\eta$ plays a dominant role in immunoglobulin gene somatic hypermutation. <i>EMBO Journal</i> , 2005, 24, 3757-3769.	3.5	114
7	Histone Deacetylase Inhibitors Upregulate B Cell microRNAs That Silence AID and Blimp-1 Expression for Epigenetic Modulation of Antibody and Autoantibody Responses. <i>Journal of Immunology</i> , 2014, 193, 5933-5950.	0.4	101
8	Regulation of <i>Aicda</i> expression and AID activity. <i>Autoimmunity</i> , 2013, 46, 83-101.	1.2	98
9	AID-Dependent Generation of Resected Double-Strand DNA Breaks and Recruitment of Rad52/Rad51 in Somatic Hypermutation. <i>Immunity</i> , 2003, 18, 727-738.	6.6	85
10	Estrogen Receptors Bind to and Activate the HOXC4/HoxC4 Promoter to Potentiate HoxC4-mediated Activation-induced Cytosine Deaminase Induction, Immunoglobulin Class Switch DNA Recombination, and Somatic Hypermutation. <i>Journal of Biological Chemistry</i> , 2010, 285, 37797-37810.	1.6	79
11	Epigenetics of the antibody response. <i>Trends in Immunology</i> , 2013, 34, 460-470.	2.9	77
12	Epigenetics of Peripheral B-Cell Differentiation and the Antibody Response. <i>Frontiers in Immunology</i> , 2015, 6, 631.	2.2	77
13	MicroRNAs in lupus. <i>Autoimmunity</i> , 2014, 47, 272-285.	1.2	70
14	DNA repair in antibody somatic hypermutation. <i>Trends in Immunology</i> , 2006, 27, 313-321.	2.9	69
15	DNA Lesions and Repair in Immunoglobulin Class Switch Recombination and Somatic Hypermutation. <i>Annals of the New York Academy of Sciences</i> , 2005, 1050, 146-162.	1.8	54
16	Combinatorial H3K9acS10ph Histone Modification in IgH Locus S Regions Targets 14-3-3 Adaptors and AID to Specify Antibody Class-Switch DNA Recombination. <i>Cell Reports</i> , 2013, 5, 702-714.	2.9	47
17	Lupus-prone MRL- <i>fas</i> <sup><i>lpr/lpr</i></sup> mice display increased AID expression and extensive DNA lesions, comprising deletions and insertions, in the immunoglobulin locus: Concurrent upregulation of somatic hypermutation and class switch DNA recombination. <i>Autoimmunity</i> , 2009, 42, 89-103.	1.2	41
18	Rev1 Recruits Ung to Switch Regions and Enhances dU Glycosylation for Immunoglobulin Class Switch DNA Recombination. <i>Cell Reports</i> , 2012, 2, 1220-1232.	2.9	40

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19	A Role for the MutL Mismatch Repair Mlh3 Protein in Immunoglobulin Class Switch DNA Recombination and Somatic Hypermutation. <i>Journal of Immunology</i> , 2006, 176, 5426-5437.	0.4	39
20	Rad52 competes with Ku70/Ku86 for binding to S-region DSB ends to modulate antibody class-switch DNA recombination. <i>Nature Communications</i> , 2017, 8, 14244.	5.8	37
21	B cell Sirt1 deacetylates histone and non-histone proteins for epigenetic modulation of AID expression and the antibody response. <i>Science Advances</i> , 2020, 6, eaay2793.	4.7	34
22	Genome-Wide Analysis Reveals Selective Modulation of microRNAs and mRNAs by Histone Deacetylase Inhibitor in B Cells Induced to Undergo Class-Switch DNA Recombination and Plasma Cell Differentiation. <i>Frontiers in Immunology</i> , 2015, 6, 627.	2.2	32
23	Integrative transcriptome and chromatin landscape analysis reveals distinct epigenetic regulations in human memory B cells. <i>Nature Communications</i> , 2020, 11, 5435.	5.8	31
24	AID dysregulation in lupus-prone MRL/lpr mice increases class switch DNA recombination and promotes interchromosomal c-Myc/IgH loci translocations: Modulation by HoxC4. <i>Autoimmunity</i> , 2011, 44, 585-598.	1.2	29
25	AID- and Ung-dependent generation of staggered double-strand DNA breaks in immunoglobulin class switch DNA recombination: A post-cleavage role for AID. <i>Molecular Immunology</i> , 2008, 46, 45-61.	1.0	26
26	Small Molecule Inhibition of Rab7 Impairs B Cell Class Switching and Plasma Cell Survival To Dampen the Autoantibody Response in Murine Lupus. <i>Journal of Immunology</i> , 2016, 197, 3792-3805.	0.4	25
27	Endonuclease G plays a role in immunoglobulin class switch DNA recombination by introducing double-strand breaks in switch regions. <i>Molecular Immunology</i> , 2011, 48, 610-622.	1.0	19
28	Class switching and Myc translocation: how does DNA break?. <i>Nature Immunology</i> , 2004, 5, 1101-1103.	7.0	17
29	STING activation in alveolar macrophages and group 2 innate lymphoid cells suppresses IL-33-driven type 2 immunopathology. <i>JCI Insight</i> , 2021, 6, .	2.3	17
30	Estrogen Reverses HDAC Inhibitor-Mediated Repression of Aicda and Class-Switching in Antibody and Autoantibody Responses by Downregulation of miR-26a. <i>Frontiers in Immunology</i> , 2020, 11, 491.	2.2	13
31	Rad52 mediates class-switch DNA recombination to IgD. <i>Nature Communications</i> , 2022, 13, 980.	5.8	11
32	Epigenetics in lupus. <i>Autoimmunity</i> , 2014, 47, 213-214.	1.2	10
33	Epigenetics of the antibody and autoantibody response. <i>Current Opinion in Immunology</i> , 2020, 67, 75-86.	2.4	8
34	B Cell Endosomal RAB7 Promotes TRAF6 K63 Polyubiquitination and NF- $\kappa$ B Activation for Antibody Class-Switching. <i>Journal of Immunology</i> , 2020, 204, 1146-1157.	0.4	7
35	LUBAC Suppresses IL-21-Induced Apoptosis in CD40-Activated Murine B Cells and Promotes Germinal Center B Cell Survival and the T-Dependent Antibody Response. <i>Frontiers in Immunology</i> , 2021, 12, 658048.	2.2	5
36	Editorial: Epigenetics of B Cells and Antibody Responses. <i>Frontiers in Immunology</i> , 2015, 6, 656.	2.2	3

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37	Genome-wide Analysis of HDAC Inhibitor-mediated Modulation of microRNAs and mRNAs in B Cells Induced to Undergo Class-switch DNA Recombination and Plasma Cell Differentiation. Journal of Visualized Experiments, 2017, , .	0.2	3
38	Epigenetic Modulation of Class-Switch DNA Recombination to IgA by miR-146a Through Downregulation of Smad2, Smad3 and Smad4. Frontiers in Immunology, 2021, 12, 761450.	2.2	2
39	AID- and Ung-dependent generation of staggered double-strand DNA breaks in class switch DNA recombination: a post-cleavage role for AID. FASEB Journal, 2008, 22, 1066.12.	0.2	0
40	The recurring AGCT motif in S region DNA specifically recruits 14-3-3 adaptor proteins that are critical for the unfolding of CSR. FASEB Journal, 2008, 22, 849.9.	0.2	0
41	The p85 regulatory subunit of phosphatidylinositol 3-kinase critically modulates class switch DNA recombination. FASEB Journal, 2008, 22, 849.8.	0.2	0
42	The evolutionary conserved HoxC4 homeodomain protein induces AID expression and regulates immunoglobulin class switch DNA recombination and somatic hypermutation. FASEB Journal, 2008, 22, 1066.15.	0.2	0