

# Paolo Casali

## List of Publications by Year in descending order

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74  
papers

3,642  
citations

147801

31  
h-index

138484

58  
g-index

80  
all docs

80  
docs citations

80  
times ranked

5392  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immunoglobulin class-switch DNA recombination: induction, targeting and beyond. <i>Nature Reviews Immunology</i> , 2012, 12, 517-531.	22.7	362
2	Nature and functions of autoantibodies. <i>Nature Clinical Practice Rheumatology</i> , 2008, 4, 491-498.	3.2	289
3	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.	12.8	204
4	B cell-intrinsic epigenetic modulation of antibody responses by dietary fiber-derived short-chain fatty acids. <i>Nature Communications</i> , 2020, 11, 60.	12.8	190
5	Reduced tetanus antibody titers in overweight children. <i>Autoimmunity</i> , 2006, 39, 137-141.	2.6	167
6	Prognostic Analysis of Clinicopathologic Factors in 49 Patients With Diffuse Malignant Peritoneal Mesothelioma Treated With Cytoreductive Surgery and Intraperitoneal Hyperthermic Perfusion. <i>Annals of Surgical Oncology</i> , 2006, 13, 229-237.	1.5	144
7	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.	14.5	134
8	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.	8.2	122
9	The translesion DNA polymerase $\eta$ plays a dominant role in immunoglobulin gene somatic hypermutation. <i>EMBO Journal</i> , 2005, 24, 3757-3769.	7.8	114
10	Toll-Like Receptors and B-Cell Receptors Synergize to Induce Immunoglobulin Class-Switch DNA Recombination: Relevance to Microbial Antibody Responses. <i>Critical Reviews in Immunology</i> , 2010, 30, 1-29.	0.5	111
11	Molecular mechanisms of autoimmunity. <i>Autoimmunity</i> , 2008, 41, 123-132.	2.6	103
12	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.	0.8	101
13	Regulation of <i>Aicda</i> expression and AID activity. <i>Autoimmunity</i> , 2013, 46, 83-101.	2.6	98
14	AID-Dependent Generation of Resected Double-Strand DNA Breaks and Recruitment of Rad52/Rad51 in Somatic Hypermutation. <i>Immunity</i> , 2003, 18, 727-738.	14.3	85
15	Regulation of <i>aicda</i> Expression and AID Activity: Relevance to Somatic Hypermutation and Class Switch DNA Recombination. <i>Critical Reviews in Immunology</i> , 2007, 27, 367-397.	0.5	85
16	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.	3.4	79
17	Epigenetics of the antibody response. <i>Trends in Immunology</i> , 2013, 34, 460-470.	6.8	77
18	Epigenetics of Peripheral B-Cell Differentiation and the Antibody Response. <i>Frontiers in Immunology</i> , 2015, 6, 631.	4.8	77

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19	MicroRNAs in lupus. <i>Autoimmunity</i> , 2014, 47, 272-285.	2.6	70
20	DNA repair in antibody somatic hypermutation. <i>Trends in Immunology</i> , 2006, 27, 313-321.	6.8	69
21	Crystal Structure of a Human Autoimmune Complex between IgM Rheumatoid Factor RF61 and IgG1 Fc Reveals a Novel Epitope and Evidence for Affinity Maturation. <i>Journal of Molecular Biology</i> , 2007, 368, 1321-1331.	4.2	61
22	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.	3.8	54
23	B cell TLR1/2, TLR4, TLR7 and TLR9 interact in induction of class switch DNA recombination: Modulation by BCR and CD40, and relevance to T-independent antibody responses. <i>Autoimmunity</i> , 2015, 48, 1-12.	2.6	51
24	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.	6.4	47
25	B cell TLRs and induction of immunoglobulin class-switch DNA recombination. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 2594.	3.0	42
26	Lupus-prone MRL/lpr/lpr 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.	2.6	41
27	Rev1 Recruits Ung to Switch Regions and Enhances dU Glycosylation for Immunoglobulin Class Switch DNA Recombination. <i>Cell Reports</i> , 2012, 2, 1220-1232.	6.4	40
28	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.	0.8	39
29	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.	12.8	37
30	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.	10.3	34
31	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.	4.8	32
32	Integrative transcriptome and chromatin landscape analysis reveals distinct epigenetic regulations in human memory B cells. <i>Nature Communications</i> , 2020, 11, 5435.	12.8	31
33	Type II <i>Toxoplasma gondii</i> Induction of CD40 on Infected Macrophages Enhances Interleukin-12 Responses. <i>Infection and Immunity</i> , 2014, 82, 4047-4055.	2.2	30
34	AID dysregulation in lupus-prone MRL/lpr/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.	2.6	29
35	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.	2.2	26
36	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.	0.8	25

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37	TSPAN33 is a novel marker of activated and malignant B cells. <i>Clinical Immunology</i> , 2013, 149, 388-399.	3.2	24
38	Scaffold Functions of 14-3-3 Adaptors in B Cell Immunoglobulin Class Switch DNA Recombination. <i>PLoS ONE</i> , 2013, 8, e80414.	2.5	23
39	B $\kappa$ Cellular Origin and V <sub>H</sub> Segment Structure of IgG, IgA, and IgM Anti-DNA Autoantibodies in Patients with Systemic Lupus Erythematosus. <i>Annals of the New York Academy of Sciences</i> , 1995, 764, 410-423.	3.8	22
40	APRIL stimulates NF- $\kappa$ B-mediated HoxC4 induction for AID expression in mouse B cells. <i>Cytokine</i> , 2013, 61, 608-613.	3.2	21
41	Iron Inhibits Activation-induced Cytidine Deaminase Enzymatic Activity and Modulates Immunoglobulin Class Switch DNA Recombination. <i>Journal of Biological Chemistry</i> , 2012, 287, 21520-21529.	3.4	20
42	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.	2.2	19
43	Identification of IL-40, a Novel B Cell-Associated Cytokine. <i>Journal of Immunology</i> , 2017, 199, 3326-3335.	0.8	19
44	Specific cross-reaction of anti-dsDNA antibody with platelet integrin GPIIIa. <i>Autoimmunity</i> , 2010, 43, 682-689.	2.6	18
45	A Sequence Analysis of Human Germline Ig V <sub>H</sub> and V <sub>L</sub> Genes. <i>Annals of the New York Academy of Sciences</i> , 1995, 764, 170-179.	3.8	16
46	Regulation of B Cell Differentiation by Intracellular Membrane-Associated Proteins and microRNAs: Role in the Antibody Response. <i>Frontiers in Immunology</i> , 2015, 6, 537.	4.8	15
47	Induction of Activation-Induced Cytidine Deaminase Targeting Adaptor 14-3-3 $\zeta$ Is Mediated by NF- $\kappa$ B-Dependent Recruitment of CFP1 to the 5'-CpG-3' Rich 14-3-3 $\zeta$ Promoter and Is Sustained by E2A. <i>Journal of Immunology</i> , 2013, 191, 1895-1906.	14	14
48	B Cell Rab7 Mediates Induction of Activation-Induced Cytidine Deaminase Expression and Class-Switching in T-Dependent and T-Independent Antibody Responses. <i>Journal of Immunology</i> , 2015, 194, 3065-3078.	0.8	13
49	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.	4.8	13
50	Ongoing Immunoglobulin Class Switch DNA Recombination in Lupus B Cells: Analysis of Switch Regulatory Regions. <i>Autoimmunity</i> , 2004, 37, 431-443.	2.6	12
51	Biased dA/dT somatic hypermutation as regulated by the heavy chain intronic E $\frac{1}{4}$ enhancer and 3' E $\pm$ enhancers in human lymphoblastoid B cells. <i>Molecular Immunology</i> , 2006, 43, 1817-1826.	2.2	11
52	A role for DRAK2 in the germinal center reaction and the antibody response. <i>Autoimmunity</i> , 2008, 41, 341-352.	2.6	11
53	Rad52 mediates class-switch DNA recombination to IgD. <i>Nature Communications</i> , 2022, 13, 980.	12.8	11
54	Analysis of the Structural Correlates for Self-Antigen Binding by Natural and Disease-Related Autoantibodies. <i>Annals of the New York Academy of Sciences</i> , 1995, 764, 328-341.	3.8	9

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55	Structure of the V <sub>H</sub> Segments of Human Natural Polyreactive IgM and IgG Antibodies. Annals of the New York Academy of Sciences, 1995, 764, 362-369.	3.8	8
56	Epigenetics of the antibody and autoantibody response. Current Opinion in Immunology, 2020, 67, 75-86.	5.5	8
57	DNA Replication to Aid Somatic Hypermutation. , 2007, 596, 111-127.		8
58	Cellular Origin, Antigen Reactivity, and V <sub>H</sub> Segment Structure of IgM mAbs from AIDS Lymphomas. Annals of the New York Academy of Sciences, 1995, 764, 509-518.	3.8	7
59	B Cell Endosomal RAB7 Promotes TRAF6 K63 Polyubiquitination and NF- $\kappa$ B Activation for Antibody Class-Switching. Journal of Immunology, 2020, 204, 1146-1157.	0.8	7
60	Editorial: Epigenetics of B Cells and Antibody Responses. Frontiers in Immunology, 2015, 6, 656.	4.8	3
61	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, , .	0.3	3
62	Immunoglobulin Somatic Hypermutation and Class-Switch DNA Recombination. , 2014, , 517-528.		2
63	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.	4.8	2
64	Abstract 2654: B cells produce IL-27 in breast cancer to upregulate PD-L1 expression and promote tumor progression. , 2020, , .		1
65	Clonal Analysis of IgM <sup>+</sup> CD5 <sup>+</sup> CLL B Cells. Annals of the New York Academy of Sciences, 1995, 764, 485-491.	3.8	0
66	Foreword. Autoimmunity, 2008, 41, 555-555.	2.6	0
67	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.	0.5	0
68	A role for Drak2 in the germinal center reaction and the antibody response. FASEB Journal, 2008, 22, 842.2.	0.5	0
69	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.	0.5	0
70	The p85 $\beta$ regulatory subunit of phosphatidylinositol 3-kinase critically modulates class switch DNA recombination. FASEB Journal, 2008, 22, 849.8.	0.5	0
71	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.	0.5	0
72	Abstract 3250: B cell-produced IL-27 up-regulates PD-L1 expression in the tumor microenvironment to promote breast cancer development. , 2019, , .		0

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73	Abstract P5-04-05: Tumor-infiltrating B lymphocytes produce IL-27 to upregulate PD-L1 expression in the tumor microenvironment and promote breast cancer progression. , 2020, , .		0
74	Abstract 3250: B cell-produced IL-27 up-regulates PD-L1 expression in the tumor microenvironment to promote breast cancer development. , 2019, , .		0