

Davide F Robbiani

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71 papers	11,098 citations	42 h-index	76 g-index
76 ext. papers	14,271 ext. citations	23.9 avg, IF	6.14 L-index

#	Paper	IF	Citations
71	Antibody potency, effector function, and combinations in protection and therapy for SARS-CoV-2 infection in vivo. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	171
70	Evolution of Antibody Immunity to SARS-CoV-2 2021 ,		43
69	Bispecific IgG neutralizes SARS-CoV-2 variants and prevents escape in mice. <i>Nature</i> , 2021 , 593, 424-428	50.4	36
68	Mutational escape from the polyclonal antibody response to SARS-CoV-2 infection is largely shaped by a single class of antibodies 2021 ,		27
67	Broad and potent neutralizing human antibodies to tick-borne flaviviruses protect mice from disease. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	6
66	miR-15a/16-1 deletion in activated B cells promotes plasma cell and mature B-cell neoplasms. <i>Blood</i> , 2021 , 137, 1905-1919	2.2	4
65	Mapping mutations to the SARS-CoV-2 RBD that escape binding by different classes of antibodies. <i>Nature Communications</i> , 2021 , 12, 4196	17.4	106
64	Enhanced SARS-CoV-2 neutralization by dimeric IgA. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	178
63	Evolution of antibody immunity to SARS-CoV-2. <i>Nature</i> , 2021 , 591, 639-644	50.4	652
62	Bispecific antibody neutralizes circulating SARS-CoV-2 variants, prevents escape and protects mice from disease 2021 ,		2
61	Structures of Human Antibodies Bound to SARS-CoV-2 Spike Reveal Common Epitopes and Recurrent Features of Antibodies. <i>Cell</i> , 2020 , 182, 828-842.e16	56.2	485
60	A Combination of Human Broadly Neutralizing Antibodies against Hepatitis B Virus HBsAg with Distinct Epitopes Suppresses Escape Mutations. <i>Cell Host and Microbe</i> , 2020 , 28, 335-349.e6	23.4	25
59	A combination of two human monoclonal antibodies limits fetal damage by Zika virus in macaques. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 7981-7989	11.5	11
58	Escape from neutralizing antibodies by SARS-CoV-2 spike protein variants. <i>ELife</i> , 2020 , 9,	8.9	784
57	Convergent Antibody Responses to SARS-CoV-2 Infection in Convalescent Individuals 2020 ,		60
56	Structures of human antibodies bound to SARS-CoV-2 spike reveal common epitopes and recurrent features of antibodies 2020 ,		30
55	Measuring SARS-CoV-2 neutralizing antibody activity using pseudotyped and chimeric viruses 2020 ,		35

54	Structural classification of neutralizing antibodies against the SARS-CoV-2 spike receptor-binding domain suggests vaccine and therapeutic strategies 2020 ,		18
53	Enhanced SARS-CoV-2 Neutralization by Secretory IgA in vitro 2020 ,		15
52	Antibody potency, effector function and combinations in protection from SARS-CoV-2 infection 2020 ,		21
51	ReScan, a Multiplex Diagnostic Pipeline, Pans Human Sera for SARS-CoV-2 Antigens. <i>Cell Reports Medicine</i> , 2020 , 1, 100123	18	46
50	SARS-CoV-2 neutralizing antibody structures inform therapeutic strategies. <i>Nature</i> , 2020 , 588, 682-687	50.4	651
49	Convergent antibody responses to SARS-CoV-2 in convalescent individuals. <i>Nature</i> , 2020 , 584, 437-442	50.4	1167
48	Measuring SARS-CoV-2 neutralizing antibody activity using pseudotyped and chimeric viruses. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16.6	289
47	Neutralizing hepatitis B. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16.6	1
46	Structural basis for Zika envelope domain III recognition by a germline version of a recurrent neutralizing antibody. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 9865-9875	11.5	5
45	Risk of Zika microcephaly correlates with features of maternal antibodies. <i>Journal of Experimental Medicine</i> , 2019 , 216, 2302-2315	16.6	28
44	A Combination of Two Human Monoclonal Antibodies Prevents Zika Virus Escape Mutations in Non-human Primates. <i>Cell Reports</i> , 2018 , 25, 1385-1394.e7	10.6	43
43	RAG1/2 induces genomic insertions by mobilizing DNA into RAG1/2-independent breaks. <i>Journal of Experimental Medicine</i> , 2017 , 214, 815-831	16.6	10
42	Recurrent Potent Human Neutralizing Antibodies to Zika Virus in Brazil and Mexico. <i>Cell</i> , 2017 , 169, 597-609.e11	50.2	1199
41	The cell cycle restricts activation-induced cytidine deaminase activity to early G1. <i>Journal of Experimental Medicine</i> , 2017 , 214, 49-58	16.6	39
40	Mutations, kataegis and translocations in B cells: understanding AID promiscuous activity. <i>Nature Reviews Immunology</i> , 2016 , 16, 164-76	36.5	109
39	A New Way to Diversify Antibodies by DNA Transposition. <i>Cell</i> , 2016 , 164, 601-2	56.2	2
38	Plasmodium Infection Promotes Genomic Instability and AID-Dependent B Cell Lymphoma. <i>Cell</i> , 2015 , 162, 727-37	56.2	98
37	Orientation-specific joining of AID-initiated DNA breaks promotes antibody class switching. <i>Nature</i> , 2015 , 525, 134-139	50.4	76

36	miR-217 is an oncogene that enhances the germinal center reaction. <i>Blood</i> , 2014 , 124, 229-39	2.2	49
35	Epigenetic targeting of activation-induced cytidine deaminase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 18667-72	11.5	37
34	B cell super-enhancers and regulatory clusters recruit AID tumorigenic activity. <i>Cell</i> , 2014 , 159, 1524-37	56.2	186
33	53BP1 alters the landscape of DNA rearrangements and suppresses AID-induced B cell lymphoma. <i>Molecular Cell</i> , 2013 , 49, 623-31	17.6	31
32	RPA accumulation during class switch recombination represents 53BP1-DNA-end resection during the S-G2/M phase of the cell cycle. <i>Cell Reports</i> , 2013 , 3, 138-47	10.6	69
31	Mechanism of DNA resection during intrachromosomal recombination and immunoglobulin class switching. <i>Journal of Experimental Medicine</i> , 2013 , 210, 115-23	16.6	43
30	Rif1 prevents resection of DNA breaks and promotes immunoglobulin class switching. <i>Science</i> , 2013 , 339, 711-5	33.3	304
29	Identification of early replicating fragile sites that contribute to genome instability. <i>Cell</i> , 2013 , 152, 620-30	34.2	280
28	Chromosome translocation, B cell lymphoma, and activation-induced cytidine deaminase. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2013 , 8, 79-103	34	125
27	Role of 53BP1 oligomerization in regulating double-strand break repair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 2146-51	11.5	53
26	Fate mapping for activation-induced cytidine deaminase (AID) marks non-lymphoid cells during mouse development. <i>PLoS ONE</i> , 2013 , 8, e69208	3.7	17
25	DNA damage defines sites of recurrent chromosomal translocations in B lymphocytes. <i>Nature</i> , 2012 , 484, 69-74	50.4	159
24	The hSSB1 orthologue Obfc2b is essential for skeletogenesis but dispensable for the DNA damage response in vivo. <i>EMBO Journal</i> , 2012 , 31, 4045-56	13	23
23	RING finger nuclear factor RNF168 is important for defects in homologous recombination caused by loss of the breast cancer susceptibility factor BRCA1. <i>Journal of Biological Chemistry</i> , 2012 , 287, 40618-28	5.4	39
22	Mechanism of DNA resection during intrachromosomal recombination and immunoglobulin class switching. <i>Journal of Cell Biology</i> , 2012 , 199, i11-i11	7.3	
21	Regulation of DNA end joining, resection, and immunoglobulin class switch recombination by 53BP1. <i>Molecular Cell</i> , 2011 , 42, 319-29	17.6	183
20	Deep-sequencing identification of the genomic targets of the cytidine deaminase AID and its cofactor RPA in B lymphocytes. <i>Nature Immunology</i> , 2011 , 12, 62-9	19.1	222
19	Translocation-capture sequencing reveals the extent and nature of chromosomal rearrangements in B lymphocytes. <i>Cell</i> , 2011 , 147, 95-106	56.2	286

18	53BP1 regulates DNA resection and the choice between classical and alternative end joining during class switch recombination. <i>Journal of Experimental Medicine</i> , 2010 , 207, 855-65	16.6	217
17	Role of the translocation partner in protection against AID-dependent chromosomal translocations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 187-92	11.5	23
16	53BP1 regulates DNA resection and the choice between classical and alternative end joining during class switch recombination. <i>Journal of Cell Biology</i> , 2010 , 189, i3-i3	7.3	
15	AID produces DNA double-strand breaks in non-Ig genes and mature B cell lymphomas with reciprocal chromosome translocations. <i>Molecular Cell</i> , 2009 , 36, 631-41	17.6	201
14	AID-dependent activation of a MYC transgene induces multiple myeloma in a conditional mouse model of post-germinal center malignancies. <i>Cancer Cell</i> , 2008 , 13, 167-80	24.3	268
13	MicroRNA-155 suppresses activation-induced cytidine deaminase-mediated Myc-Igh translocation. <i>Immunity</i> , 2008 , 28, 630-8	32.3	391
12	AID is required for the chromosomal breaks in c-myc that lead to c-myc/IgH translocations. <i>Cell</i> , 2008 , 135, 1028-38	56.2	338
11	Osteopontin dysregulation and lytic bone lesions in multiple myeloma. <i>Hematological Oncology</i> , 2007 , 25, 16-20	1.3	29
10	A role for AID in chromosome translocations between c-myc and the IgH variable region. <i>Journal of Experimental Medicine</i> , 2007 , 204, 2225-32	16.6	69
9	Regulation of hypermutation by activation-induced cytidine deaminase phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 8798-803	11.5	121
8	Maintained rules of development in a mouse B-cell tumor. <i>Leukemia</i> , 2005 , 19, 1278-80	10.7	5
7	Bone lesions in molecular subtypes of multiple myeloma. <i>New England Journal of Medicine</i> , 2004 , 351, 197-8	59.2	35
6	Inhibition of fibroblast growth factor receptor 3 induces differentiation and apoptosis in t(4;14) myeloma. <i>Blood</i> , 2004 , 103, 3521-8	2.2	143
5	Expression of a functional eotaxin (CC chemokine ligand 11) receptor CCR3 by human dendritic cells. <i>Journal of Immunology</i> , 2002 , 169, 2925-36	5.3	54
4	Activated fibroblast growth factor receptor 3 is an oncogene that contributes to tumor progression in multiple myeloma. <i>Blood</i> , 2001 , 97, 729-36	2.2	239
3	The leukotriene C(4) transporter MRP1 regulates CCL19 (MIP-3beta, ELC)-dependent mobilization of dendritic cells to lymph nodes. <i>Cell</i> , 2000 , 103, 757-68	56.2	404
2	Differentiation of phagocytic monocytes into lymph node dendritic cells in vivo. <i>Immunity</i> , 1999 , 11, 753-63	3.1	752
1	Increased expression of IP-10, IL-8, MCP-1, and MCP-3 in ulcerative colitis. <i>American Journal of Pathology</i> , 1999 , 155, 331-6	5.8	231

