

Hedda Wardemann

List of Publications by Citations

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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

9,731
citations

42
h-index

83
g-index

83
ext. papers

11,557
ext. citations

16.4
avg, IF

5.83
L-index

#	Paper	IF	Citations
71	Predominant autoantibody production by early human B cell precursors. <i>Science</i> , 2003 , 301, 1374-7	33.3	1483
70	Efficient generation of monoclonal antibodies from single human B cells by single cell RT-PCR and expression vector cloning. <i>Journal of Immunological Methods</i> , 2008 , 329, 112-24	2.5	702
69	Broad diversity of neutralizing antibodies isolated from memory B cells in HIV-infected individuals. <i>Nature</i> , 2009 , 458, 636-40	50.4	695
68	Visualizing dendritic cell networks in vivo. <i>Nature Immunology</i> , 2004 , 5, 1243-50	19.1	681
67	Defective B cell tolerance checkpoints in systemic lupus erythematosus. <i>Journal of Experimental Medicine</i> , 2005 , 201, 703-11	16.6	512
66	The promise and challenge of high-throughput sequencing of the antibody repertoire. <i>Nature Biotechnology</i> , 2014 , 32, 158-68	44.5	463
65	Chronic lymphocytic leukaemia is driven by antigen-independent cell-autonomous signalling. <i>Nature</i> , 2012 , 489, 309-12	50.4	366
64	Autoreactivity in human IgG+ memory B cells. <i>Immunity</i> , 2007 , 26, 205-13	32.3	364
63	Polyreactivity increases the apparent affinity of anti-HIV antibodies by heteroligation. <i>Nature</i> , 2010 , 467, 591-5	50.4	332
62	Unmutated and mutated chronic lymphocytic leukemias derive from self-reactive B cell precursors despite expressing different antibody reactivity. <i>Journal of Clinical Investigation</i> , 2005 , 115, 1636-43	15.9	248
61	B-cell tolerance checkpoints in health and autoimmunity. <i>Current Opinion in Immunology</i> , 2008 , 20, 632-87.8		215
60	B-1a B cells that link the innate and adaptive immune responses are lacking in the absence of the spleen. <i>Journal of Experimental Medicine</i> , 2002 , 195, 771-80	16.6	201
59	Cloning and expression of murine Ig genes from single B cells. <i>Journal of Immunological Methods</i> , 2009 , 350, 183-93	2.5	183
58	The majority of intestinal IgA+ and IgG+ plasmablasts in the human gut are antigen-specific. <i>Journal of Clinical Investigation</i> , 2011 , 121, 1946-55	15.9	178
57	A method for identification of HIV gp140 binding memory B cells in human blood. <i>Journal of Immunological Methods</i> , 2009 , 343, 65-7	2.5	171
56	Autoreactive IgG memory antibodies in patients with systemic lupus erythematosus arise from nonreactive and polyreactive precursors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 9727-32	11.5	169
55	Monoclonal IgG antibodies generated from joint-derived B cells of RA patients have a strong bias toward citrullinated autoantigen recognition. <i>Journal of Experimental Medicine</i> , 2013 , 210, 445-55	16.6	161

54	A checkpoint for autoreactivity in human IgM+ memory B cell development. <i>Journal of Experimental Medicine</i> , 2006 , 203, 393-400	16.6	159
53	Human cerebrospinal fluid monoclonal N-methyl-D-aspartate receptor autoantibodies are sufficient for encephalitis pathogenesis. <i>Brain</i> , 2016 , 139, 2641-2652	11.2	148
52	Atypical and classical memory B cells produce Plasmodium falciparum neutralizing antibodies. <i>Journal of Experimental Medicine</i> , 2013 , 210, 389-99	16.6	141
51	B-cell self-tolerance in humans. <i>Advances in Immunology</i> , 2007 , 95, 83-110	5.6	127
50	Persistent expression of autoantibodies in SLE patients in remission. <i>Journal of Experimental Medicine</i> , 2006 , 203, 2255-61	16.6	116
49	Bruton's tyrosine kinase is essential for human B cell tolerance. <i>Journal of Experimental Medicine</i> , 2004 , 200, 927-34	16.6	114
48	Surrogate light chain expressing human peripheral B cells produce self-reactive antibodies. <i>Journal of Experimental Medicine</i> , 2004 , 199, 145-50	16.6	107
47	Single-cell based high-throughput sequencing of full-length immunoglobulin heavy and light chain genes. <i>European Journal of Immunology</i> , 2014 , 44, 597-603	6.1	93
46	Runx3 regulates integrin alpha E/CD103 and CD4 expression during development of CD4-/CD8+ T cells. <i>Journal of Immunology</i> , 2005 , 175, 1694-705	5.3	93
45	T cell-independent B cell activation induces immunosuppressive sialylated IgG antibodies. <i>Journal of Clinical Investigation</i> , 2013 , 123, 3788-96	15.9	92
44	Autoreactive B cell receptors mimic autonomous pre-B cell receptor signaling and induce proliferation of early B cells. <i>Immunity</i> , 2008 , 29, 912-21	32.3	92
43	Human isotype-dependent inhibitory antibody responses against Mycobacterium tuberculosis. <i>EMBO Molecular Medicine</i> , 2016 , 8, 1325-1339	12	90
42	Clonal selection drives protective memory B cell responses in controlled human malaria infection. <i>Science Immunology</i> , 2018 , 3,	28	88
41	Tolerance induction with T cell-dependent protein antigens induces regulatory sialylated IgGs. <i>Journal of Allergy and Clinical Immunology</i> , 2012 , 129, 1647-55.e13	11.5	84
40	Human autoantibody silencing by immunoglobulin light chains. <i>Journal of Experimental Medicine</i> , 2004 , 200, 191-9	16.6	79
39	Natural Parasite Exposure Induces Protective Human Anti-Malarial Antibodies. <i>Immunity</i> , 2017 , 47, 1197-1209.e10	32.9	71
38	RAGs and regulation of autoantibodies. <i>Annual Review of Immunology</i> , 2004 , 22, 485-501	34.7	69
37	Development of self-reactive germinal center B cells and plasma cells in autoimmune Fc gammaRIIB-deficient mice. <i>Journal of Experimental Medicine</i> , 2010 , 207, 2767-78	16.6	68

36	Cross-specificity of protective human antibodies against <i>Klebsiella pneumoniae</i> LPS O-antigen. <i>Nature Immunology</i> , 2018 , 19, 617-624	19.1	64
35	Differential regulation of self-reactivity discriminates between IgG+ human circulating memory B cells and bone marrow plasma cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 18044-8	11.5	61
34	Homeostatic expansion of autoreactive immunoglobulin-secreting cells in the Rag2 mouse model of Omenn syndrome. <i>Journal of Experimental Medicine</i> , 2010 , 207, 1525-40	16.6	52
33	Antihomotypic affinity maturation improves human B cell responses against a repetitive epitope. <i>Science</i> , 2018 , 360, 1358-1362	33.3	49
32	Rituximab induces sustained reduction of pathogenic B cells in patients with peripheral nervous system autoimmunity. <i>Journal of Clinical Investigation</i> , 2012 , 122, 1393-402	15.9	47
31	TLR9 in peritoneal B-1b cells is essential for production of protective self-reactive IgM to control Th17 cells and severe autoimmunity. <i>Journal of Immunology</i> , 2011 , 187, 2953-65	5.3	44
30	Rare PfCSP C-terminal antibodies induced by live sporozoite vaccination are ineffective against malaria infection. <i>Journal of Experimental Medicine</i> , 2018 , 215, 63-75	16.6	43
29	Antibodies against <i>Plasmodium falciparum</i> malaria at the molecular level. <i>Nature Reviews Immunology</i> , 2019 , 19, 761-775	36.5	39
28	Novel Approaches to Analyze Immunoglobulin Repertoires. <i>Trends in Immunology</i> , 2017 , 38, 471-482	14.4	30
27	Human IgA binds a diverse array of commensal bacteria. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16.6	30
26	N-methyl-D-aspartate receptor dysfunction by unmutated human antibodies against the NR1 subunit. <i>Annals of Neurology</i> , 2019 , 85, 771-776	9.4	29
25	B-cell tolerance checkpoints in healthy humans and patients with systemic lupus erythematosus. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1062, 165-74	6.5	29
24	is an inherited risk factor for CLL through the acquisition of a single-point mutation enabling autonomous BCR signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4320-4327	11.5	24
23	sciReptor: analysis of single-cell level immunoglobulin repertoires. <i>BMC Bioinformatics</i> , 2016 , 17, 67	3.6	24
22	Direct high-throughput amplification and sequencing of immunoglobulin genes from single human B cells. <i>European Journal of Immunology</i> , 2015 , 45, 2698-700	6.1	24
21	High microbiota reactivity of adult human intestinal IgA requires somatic mutations. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16.6	24
20	ALDH4A1 is an atherosclerosis auto-antigen targeted by protective antibodies. <i>Nature</i> , 2021 , 589, 287-292	9.4	24
19	Assessing human B cell repertoire diversity and convergence. <i>Immunological Reviews</i> , 2018 , 284, 51-66	11.3	24

18	Evolution of protective human antibodies against Plasmodium falciparum circumsporozoite protein repeat motifs. <i>Nature Medicine</i> , 2020 , 26, 1135-1145	50.5	23
17	Parallelism of intestinal secretory IgA shapes functional microbial fitness. <i>Nature</i> , 2021 , 598, 657-661	50.4	14
16	Expression cloning of human B cell immunoglobulins. <i>Methods in Molecular Biology</i> , 2013 , 971, 93-111	1.4	12
15	HIV-1 Envelope Recognition by Polyreactive and Cross-Reactive Intestinal B Cells. <i>Cell Reports</i> , 2019 , 27, 572-585.e7	10.6	9
14	Repertoire and Neutralizing Activity of Antibodies Against Hepatitis C Virus E2 Peptide in Patients With Spontaneous Resolution of Hepatitis C. <i>Journal of Infectious Diseases</i> , 2019 , 220, 1209-1218	7	8
13	Expression Cloning of Antibodies from Single Human B Cells. <i>Methods in Molecular Biology</i> , 2019 , 1956, 105-125	1.4	8
12	Differences in Self-Recognition between Secreted Antibody and Membrane-Bound B Cell Antigen Receptor. <i>Journal of Immunology</i> , 2019 , 202, 1417-1427	5.3	7
11	From human antibody structure and function towards the design of a novel Plasmodium falciparum circumsporozoite protein malaria vaccine. <i>Current Opinion in Immunology</i> , 2018 , 53, 119-123	7.8	6
10	A high-affinity antibody against the CSP N-terminal domain lacks Plasmodium falciparum inhibitory activity. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16.6	5
9	Calculating germinal centre reactions. <i>Current Opinion in Systems Biology</i> , 2019 , 18, 1-8	3.2	5
8	From Multiplex Serology to Serolomics-A Novel Approach to the Antibody Response against the SARS-CoV-2 Proteome. <i>Viruses</i> , 2021 , 13,	6.2	4
7	Uptake of SLE autoantibodies by podocytes. <i>Annals of the Rheumatic Diseases</i> , 2012 , 71, A32.3-A33	2.4	3
6	Highly restricted usage of Ig H chain VH14 family gene segments in Slp65-deficient pre-B cell leukemia in mice. <i>Journal of Immunology</i> , 2012 , 189, 4842-51	5.3	2
5	High-throughput single-cell sequencing of paired TCR α and TCR β genes for the direct expression-cloning and functional analysis of murine T-cell receptors. <i>European Journal of Immunology</i> , 2019 , 49, 1269-1277	6.1	0
4	Find and follow your passion. <i>Nature Immunology</i> , 2020 , 21, 237	19.1	
3	A1.31 Monoclonal antibodies from CD19+ synovial B cells of RA patients with tertiary lymphoid structures display a strong immunoreactivity towards citrullinated histones from neutrophils NETs. <i>Annals of the Rheumatic Diseases</i> , 2014 , 73, A13.1-A13	2.4	
2	Reply: In vitro effects of a human monoclonal antibody against the N-methyl-d-aspartate receptor. <i>Brain</i> , 2017 , 140, e10	11.2	
1	A5.2 Accumulation of Circulating Autoreactive Naïve B Cells Reveal Defects of Early B Cell Tolerance Checkpoints in Patients with Sjögren's Syndrome. <i>Annals of the Rheumatic Diseases</i> , 2013 , 72, A30.2-A31	2.4	

