

Hedda Wardemann

List of Publications by Year in descending order

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76
papers

12,454
citations

50170
46
h-index

79541
73
g-index

83
all docs

83
docs citations

83
times ranked

14048
citing authors

#	ARTICLE	IF	CITATIONS
1	Predominant Autoantibody Production by Early Human B Cell Precursors. <i>Science</i> , 2003, 301, 1374-1377.	6.0	1,806
2	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, 112-124.	0.6	953
3	Visualizing dendritic cell networks in vivo. <i>Nature Immunology</i> , 2004, 5, 1243-1250.	7.0	823
4	Broad diversity of neutralizing antibodies isolated from memory B cells in HIV-infected individuals. <i>Nature</i> , 2009, 458, 636-640.	13.7	806
5	The promise and challenge of high-throughput sequencing of the antibody repertoire. <i>Nature Biotechnology</i> , 2014, 32, 158-168.	9.4	633
6	Defective B cell tolerance checkpoints in systemic lupus erythematosus. <i>Journal of Experimental Medicine</i> , 2005, 201, 703-711.	4.2	612
7	Chronic lymphocytic leukaemia is driven by antigen-independent cell-autonomous signalling. <i>Nature</i> , 2012, 489, 309-312.	13.7	457
8	Autoreactivity in Human IgG+ Memory B Cells. <i>Immunity</i> , 2007, 26, 205-213.	6.6	430
9	Polyreactivity increases the apparent affinity of anti-HIV antibodies by heteroligation. <i>Nature</i> , 2010, 467, 591-595.	13.7	393
10	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, 1636-1643.	3.9	287
11	B-cell tolerance checkpoints in health and autoimmunity. <i>Current Opinion in Immunology</i> , 2008, 20, 632-638.	2.4	256
12	Cloning and expression of murine Ig genes from single B cells. <i>Journal of Immunological Methods</i> , 2009, 350, 183-193.	0.6	240
13	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, 771-780.	4.2	226
14	Human cerebrospinal fluid monoclonal <i>N</i> -methyl-D-aspartate receptor autoantibodies are sufficient for encephalitis pathogenesis. <i>Brain</i> , 2016, 139, 2641-2652.	3.7	223
15	The majority of intestinal IgA+ and IgG+ plasmablasts in the human gut are antigen-specific. <i>Journal of Clinical Investigation</i> , 2011, 121, 1946-1955.	3.9	214
16	A method for identification of HIV gp140 binding memory B cells in human blood. <i>Journal of Immunological Methods</i> , 2009, 343, 65-67.	0.6	204
17	Atypical and classical memory B cells produce <i>Plasmodium falciparum</i> neutralizing antibodies. <i>Journal of Experimental Medicine</i> , 2013, 210, 389-399.	4.2	200
18	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, 9727-9732.	3.3	197

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19	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, 445-455.	4.2	181
20	A checkpoint for autoreactivity in human IgM+ memory B cell development. <i>Journal of Experimental Medicine</i> , 2006, 203, 393-400.	4.2	172
21	Bâ€Cell Selfâ€Tolerance in Humans. <i>Advances in Immunology</i> , 2007, 95, 83-110.	1.1	146
22	Clonal selection drives protective memory B cell responses in controlled human malaria infection. <i>Science Immunology</i> , 2018, 3, .	5.6	132
23	Bruton's Tyrosine Kinase Is Essential for Human B Cell Tolerance. <i>Journal of Experimental Medicine</i> , 2004, 200, 927-934.	4.2	131
24	Persistent expression of autoantibodies in SLE patients in remission. <i>Journal of Experimental Medicine</i> , 2006, 203, 2255-2261.	4.2	130
25	Natural Parasite Exposure Induces Protective Human Anti-Malarial Antibodies. <i>Immunity</i> , 2017, 47, 1197-1209.e10.	6.6	129
26	Human isotypeâ€dependent inhibitory antibody responses against <i>Mycobacterium tuberculosis</i> . <i>EMBO Molecular Medicine</i> , 2016, 8, 1325-1339.	3.3	127
27	Surrogate Light Chain Expressing Human Peripheral B Cells Produce Self-reactive Antibodies. <i>Journal of Experimental Medicine</i> , 2004, 199, 145-150.	4.2	122
28	T cellâ€independent B cell activation induces immunosuppressive sialylated IgG antibodies. <i>Journal of Clinical Investigation</i> , 2013, 123, 3788-3796.	3.9	118
29	Runx3 Regulates Integrin Î±E/CD103 and CD4 Expression during Development of CD4âˆ/CD8+ T Cells. <i>Journal of Immunology</i> , 2005, 175, 1694-1705.	0.4	112
30	Singleâ€cell based highâ€throughput sequencing of fullâ€length immunoglobulin heavy and light chain genes. <i>European Journal of Immunology</i> , 2014, 44, 597-603.	1.6	112
31	Human Autoantibody Silencing by Immunoglobulin Light Chains. <i>Journal of Experimental Medicine</i> , 2004, 200, 191-199.	4.2	109
32	Cross-specificity of protective human antibodies against <i>Klebsiella pneumoniae</i> LPS O-antigen. <i>Nature Immunology</i> , 2018, 19, 617-624.	7.0	108
33	Tolerance induction with T cellâ€dependent protein antigens induces regulatory sialylated IgGs. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 1647-1655.e13.	1.5	107
34	Autoreactive B Cell Receptors Mimic Autonomous Pre-B Cell Receptor Signaling and Induce Proliferation of Early B Cells. <i>Immunity</i> , 2008, 29, 912-921.	6.6	100
35	Antihomotypic affinity maturation improves human B cell responses against a repetitive epitope. <i>Science</i> , 2018, 360, 1358-1362.	6.0	89
36	Development of self-reactive germinal center B cells and plasma cells in autoimmune FcÎ³RIIB-deficient mice. <i>Journal of Experimental Medicine</i> , 2010, 207, 2767-2778.	4.2	84

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37	RAGs and Regulation of Autoantibodies. Annual Review of Immunology, 2004, 22, 485-501.	9.5	82
38	Rare PfCSP C-terminal antibodies induced by live sporozoite vaccination are ineffective against malaria infection. Journal of Experimental Medicine, 2018, 215, 63-75.	4.2	79
39	Differential regulation of self-reactivity discriminates between IgG ⁺ human circulating memory B cells and bone marrow plasma cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18044-18048.	3.3	74
40	Antibodies against Plasmodium falciparum malaria at the molecular level. Nature Reviews Immunology, 2019, 19, 761-775.	10.6	73
41	ALDH4A1 is an atherosclerosis auto-antigen targeted by protective antibodies. Nature, 2021, 589, 287-292.	13.7	72
42	Homeostatic expansion of autoreactive immunoglobulin-secreting cells in the Rag2 mouse model of Omenn syndrome. Journal of Experimental Medicine, 2010, 207, 1525-1540.	4.2	66
43	Human IgA binds a diverse array of commensal bacteria. Journal of Experimental Medicine, 2020, 217, .	4.2	65
44	Evolution of protective human antibodies against Plasmodium falciparum circumsporozoite protein repeat motifs. Nature Medicine, 2020, 26, 1135-1145.	15.2	64
45	Parallelism of intestinal secretory IgA shapes functional microbial fitness. Nature, 2021, 598, 657-661.	13.7	60
46	IGLV3-21*01 is an inherited risk factor for CLL through the acquisition of a single-point mutation enabling autonomous BCR signaling. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4320-4327.	3.3	55
47	Rituximab induces sustained reduction of pathogenic B cells in patients with peripheral nervous system autoimmunity. Journal of Clinical Investigation, 2012, 122, 1393-1402.	3.9	55
48	High microbiota reactivity of adult human intestinal IgA requires somatic mutations. Journal of Experimental Medicine, 2020, 217, .	4.2	53
49	TLR9 in Peritoneal B-1b Cells Is Essential for Production of Protective Self-Reactive IgM To Control Th17 Cells and Severe Autoimmunity. Journal of Immunology, 2011, 187, 2953-2965.	0.4	49
50	Novel Approaches to Analyze Immunoglobulin Repertoires. Trends in Immunology, 2017, 38, 471-482.	2.9	48
51	Assessing human B cell repertoire diversity and convergence. Immunological Reviews, 2018, 284, 51-66.	2.8	47
52	N-methyl-D-aspartate receptor dysfunction by unmutated human antibodies against the NR1 subunit. Annals of Neurology, 2019, 85, 771-776.	2.8	44
53	B-Cell Tolerance Checkpoints in Healthy Humans and Patients with Systemic Lupus Erythematosus. Annals of the New York Academy of Sciences, 2005, 1062, 165-174.	1.8	37
54	Direct high-throughput amplification and sequencing of immunoglobulin genes from single human B cells. European Journal of Immunology, 2015, 45, 2698-2700.	1.6	33

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55	sciReptor: analysis of single-cell level immunoglobulin repertoires. BMC Bioinformatics, 2016, 17, 67.	1.2	32
56	Expression Cloning of Human B Cell Immunoglobulins. Methods in Molecular Biology, 2013, 971, 93-111.	0.4	24
57	HIV-1 Envelope Recognition by Polyreactive and Cross-Reactive Intestinal B Cells. Cell Reports, 2019, 27, 572-585.e7.	2.9	21
58	A high-affinity antibody against the CSP N-terminal domain lacks <i>Plasmodium falciparum</i> inhibitory activity. Journal of Experimental Medicine, 2020, 217, .	4.2	21
59	Expression Cloning of Antibodies from Single Human B Cells. Methods in Molecular Biology, 2019, 1956, 105-125.	0.4	20
60	Differences in Self-Recognition between Secreted Antibody and Membrane-Bound B Cell Antigen Receptor. Journal of Immunology, 2019, 202, 1417-1427.	0.4	15
61	From human antibody structure and function towards the design of a novel <i>Plasmodium falciparum</i> circumsporozoite protein malaria vaccine. Current Opinion in Immunology, 2018, 53, 119-123.	2.4	12
62	Phagocytosis of <i>Plasmodium falciparum</i> ring-stage parasites predicts protection against malaria. Nature Communications, 2022, 13, .	5.8	12
63	From Multiplex Serology to Serolomics—A Novel Approach to the Antibody Response against the SARS-CoV-2 Proteome. Viruses, 2021, 13, 749.	1.5	11
64	Repertoire and Neutralizing Activity of Antibodies Against Hepatitis C Virus E2 Peptide in Patients With Spontaneous Resolution of Hepatitis C. Journal of Infectious Diseases, 2019, 220, 1209-1218.	1.9	10
65	Calculating germinal centre reactions. Current Opinion in Systems Biology, 2019, 18, 1-8.	1.3	10
66	How to induce protective humoral immunity against <i>Plasmodium falciparum</i> circumsporozoite protein. Journal of Experimental Medicine, 2022, 219, .	4.2	8
67	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. European Journal of Immunology, 2019, 49, 1269-1277.	1.6	5
68	Clonal evolution and TCR specificity of the human T _{FH} cell response to <i>Plasmodium falciparum</i> CSP. Science Immunology, 2022, 7, .	5.6	5
69	Uptake of SLE autoantibodies by podocytes. Annals of the Rheumatic Diseases, 2012, 71, A32.3-A33.	0.5	4
70	Highly Restricted Usage of Ig H Chain VH14 Family Gene Segments in Slp65-Deficient Pre-B Cell Leukemia in Mice. Journal of Immunology, 2012, 189, 4842-4851.	0.4	3
71	An efficient single-cell based method for linking human T cell phenotype to T cell receptor sequence and specificity. European Journal of Immunology, 2022, 52, 237-246.	1.6	3
72	A5.2—Accumulation of Circulating Autoreactive Naïve B Cells Reveal Defects of Early B Cell Tolerance Checkpoints in Patients with Sjögren's Syndrome. Annals of the Rheumatic Diseases, 2013, 72, A30.2-A31.	0.5	0

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73	A1.31â€¦Monoclonal antibodies from CD19 ⁺ synovial B cells of RA patients with tertiary lymphoid structures display a strong immunoreactivity towards citrullinated histones from neutrophils NETs. Annals of the Rheumatic Diseases, 2014, 73, A13.1-A13.	0.5	0
74	Reply: <i>In vitro</i> effects of a human monoclonal antibody against the <i>N</i> -methyl-d-aspartate receptor. Brain, 2017, 140, e10-e10.	3.7	0
75	08.08â€¦Podocytes internalise dna-antibody complexes. , 2017, , .		0
76	Find and follow your passion. Nature Immunology, 2020, 21, 237-237.	7.0	0