Hedda Wardemann

List of Publications by Year
in descending order

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76 papers	12,454 citations	50244 46 h-index	79644 73 g-index
83 all docs	83 docs citations	83 times ranked	14048 citing authors

#	Article	IF	Citations
1	An efficient singleâ€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
2	How to induce protective humoral immunity against Plasmodium falciparum circumsporozoite protein. Journal of Experimental Medicine, 2022, 219, .	4.2	8
3	Clonal evolution and TCR specificity of the human T _{FH} cell response to Plasmodium falciparum CSP. Science Immunology, 2022, 7, .	5.6	5
4	Phagocytosis of Plasmodium falciparum ring-stage parasites predicts protection against malaria. Nature Communications, 2022, 13, .	5.8	12
5	ALDH4A1 is an atherosclerosis auto-antigen targeted by protective antibodies. Nature, 2021, 589, 287-292.	13.7	72
6	From Multiplex Serology to Serolomicsâ€"A Novel Approach to the Antibody Response against the SARS-CoV-2 Proteome. Viruses, 2021, 13, 749.	1.5	11
7	Parallelism of intestinal secretory IgA shapes functional microbial fitness. Nature, 2021, 598, 657-661.	13.7	60
8	A high-affinity antibody against the CSP N-terminal domain lacks Plasmodium falciparum inhibitory activity. Journal of Experimental Medicine, 2020, 217, .	4.2	21
9	Human IgA binds a diverse array of commensal bacteria. Journal of Experimental Medicine, 2020, 217, .	4.2	65
10	High microbiota reactivity of adult human intestinal IgA requires somatic mutations. Journal of Experimental Medicine, 2020, 217, .	4.2	53
11	Evolution of protective human antibodies against Plasmodium falciparum circumsporozoite protein repeat motifs. Nature Medicine, 2020, 26, 1135-1145.	15.2	64
12	Find and follow your passion. Nature Immunology, 2020, 21, 237-237.	7.0	0
13	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
14	Antibodies against Plasmodium falciparum malaria at the molecular level. Nature Reviews Immunology, 2019, 19, 761-775.	10.6	73
15	Differences in Self-Recognition between Secreted Antibody and Membrane-Bound B Cell Antigen Receptor. Journal of Immunology, 2019, 202, 1417-1427.	0.4	15
16	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
17	Highâ€throughput singleâ€cell sequencing of paired TCRÎ± and TCRÎ² genes for the direct expressionâ€cloning and functional analysis of murine Tâ€cell receptors. European Journal of Immunology, 2019, 49, 1269-1277.	1.6	5
18	Nâ€methylâ€Dâ€aspartate receptor dysfunction by unmutated human antibodies against the NR1 subunit. Annals of Neurology, 2019, 85, 771-776.	2.8	44

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19	HIV-1 Envelope Recognition by Polyreactive and Cross-Reactive Intestinal B Cells. Cell Reports, 2019, 27, 572-585.e7.	2.9	21
20	Expression Cloning of Antibodies from Single Human B Cells. Methods in Molecular Biology, 2019, 1956, 105-125.	0.4	20
21	Calculating germinal centre reactions. Current Opinion in Systems Biology, 2019, 18, 1-8.	1.3	10
22	Clonal selection drives protective memory B cell responses in controlled human malaria infection. Science Immunology, 2018, 3, .	5.6	132
23	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
24	Cross-specificity of protective human antibodies against Klebsiella pneumoniae LPS O-antigen. Nature Immunology, 2018, 19, 617-624.	7.0	108
25	Assessing human B cell repertoire diversity and convergence. Immunological Reviews, 2018, 284, 51-66.	2.8	47
26	From human antibody structure and function towards the design of a novel Plasmodium falciparum circumsporozoite protein malaria vaccine. Current Opinion in Immunology, 2018, 53, 119-123.	2.4	12
27	Antihomotypic affinity maturation improves human B cell responses against a repetitive epitope. Science, 2018, 360, 1358-1362.	6.0	89
28	Novel Approaches to Analyze Immunoglobulin Repertoires. Trends in Immunology, 2017, 38, 471-482.	2.9	48
29	Natural Parasite Exposure Induces Protective Human Anti-Malarial Antibodies. Immunity, 2017, 47, 1197-1209.e10.	6.6	129
30	Reply:In vitroeffects of a human monoclonal antibody against theN-methyl-d-aspartate receptor. Brain, 2017, 140, e10-e10.	3.7	0
31	08.08â€…Podocytes internalise dna-antibody complexes. , 2017, , .		0
32	Human cerebrospinal fluid monoclonalN-methyl-D-aspartate receptor autoantibodies are sufficient for encephalitis pathogenesis. Brain, 2016, 139, 2641-2652.	3.7	223
33	Human isotypeâ€dependent inhibitory antibody responses against Mycobacterium tuberculosis. EMBO Molecular Medicine, 2016, 8, 1325-1339.	3.3	127
34	sciReptor: analysis of single-cell level immunoglobulin repertoires. BMC Bioinformatics, 2016, 17, 67.	1.2	32
35	Direct highâ€throughput amplification and sequencing of immunoglobulin genes from single human B cells. European Journal of Immunology, 2015, 45, 2698-2700.	1.6	33
36	Singleâ€cell based highâ€throughput sequencing of fullâ€length immunoglobulin heavy and light chain genes. European Journal of Immunology, 2014, 44, 597-603.	1.6	112

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37	The promise and challenge of high-throughput sequencing of the antibody repertoire. Nature Biotechnology, 2014, 32, 158-168.	9.4	633
38	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
39	Atypical and classical memory B cells produce Plasmodium falciparum neutralizing antibodies. Journal of Experimental Medicine, 2013, 210, 389-399.	4.2	200
40	Monoclonal IgG antibodies generated from joint-derived B cells of RA patients have a strong bias toward citrullinated autoantigen recognition. Journal of Experimental Medicine, 2013, 210, 445-455.	4.2	181
41	Expression Cloning of Human B Cell Immunoglobulins. Methods in Molecular Biology, 2013, 971, 93-111.	0.4	24
42	T cellâ€“independent B cell activation induces immunosuppressive sialylated IgG antibodies. Journal of Clinical Investigation, 2013, 123, 3788-3796.	3.9	118
43	A5.2â€...Accumulation of Circulating Autoreactive NaÃ¯ve B Cells Reveal Defects of Early B Cell Tolerance Checkpoints in Patients with SjÃ¶grenâ€™s Syndrome. Annals of the Rheumatic Diseases, 2013, 72, A30.2-A31.	0.5	0
44	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
45	Uptake of SLE autoantibodies by podocytes. Annals of the Rheumatic Diseases, 2012, 71, A32.3-A33.	0.5	4
46	Tolerance induction with T cellâ€“dependent protein antigens induces regulatory sialylated IgGs. Journal of Allergy and Clinical Immunology, 2012, 129, 1647-1655.e13.	1.5	107
47	Chronic lymphocytic leukaemia is driven by antigen-independent cell-autonomous signalling. Nature, 2012, 489, 309-312.	13.7	457
48	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
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	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
51	The majority of intestinal IgA+ and IgG+ plasmablasts in the human gut are antigen-specific. Journal of Clinical Investigation, 2011, 121, 1946-1955.	3.9	214
52	Polyreactivity increases the apparent affinity of anti-HIV antibodies by heteroligation. Nature, 2010, 467, 591-595.	13.7	393
53	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
54	Development of self-reactive germinal center B cells and plasma cells in autoimmune FcÎ³RIIB-deficient mice. Journal of Experimental Medicine, 2010, 207, 2767-2778.	4.2	84

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55	A method for identification of HIV gp140 binding memory B cells in human blood. Journal of Immunological Methods, 2009, 343, 65-67.	0.6	204
56	Cloning and expression of murine Ig genes from single B cells. Journal of Immunological Methods, 2009, 350, 183-193.	0.6	240
57	Broad diversity of neutralizing antibodies isolated from memory B cells in HIV-infected individuals. Nature, 2009, 458, 636-640.	13.7	806
58	B-cell tolerance checkpoints in health and autoimmunity. Current Opinion in Immunology, 2008, 20, 632-638.	2.4	256
59	Autoreactive B Cell Receptors Mimic Autonomous Pre-B Cell Receptor Signaling and Induce Proliferation of Early B Cells. Immunity, 2008, 29, 912-921.	6.6	100
60	Efficient generation of monoclonal antibodies from single human B cells by single cell RT-PCR and expression vector cloning. Journal of Immunological Methods, 2008, 329, 112-124.	0.6	953
61	Autoreactive IgG memory antibodies in patients with systemic lupus erythematosus arise from nonreactive and polyreactive precursors. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9727-9732.	3.3	197
62	Bâ€Cell Selfâ€Tolerance in Humans. Advances in Immunology, 2007, 95, 83-110.	1.1	146
63	Autoreactivity in Human IgG+ Memory B Cells. Immunity, 2007, 26, 205-213.	6.6	430
64	A checkpoint for autoreactivity in human IgM+ memory B cell development. Journal of Experimental Medicine, 2006, 203, 393-400.	4.2	172
65	Persistent expression of autoantibodies in SLE patients in remission. Journal of Experimental Medicine, 2006, 203, 2255-2261.	4.2	130
66	Unmutated and mutated chronic lymphocytic leukemias derive from self-reactive B cell precursors despite expressing different antibody reactivity. Journal of Clinical Investigation, 2005, 115, 1636-1643.	3.9	287
67	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
68	Runx3 Regulates Integrin Î±E/CD103 and CD4 Expression during Development of CD4âˆ'/CD8+ T Cells. Journal of Immunology, 2005, 175, 1694-1705.	0.4	112
69	Defective B cell tolerance checkpoints in systemic lupus erythematosus. Journal of Experimental Medicine, 2005, 201, 703-711.	4.2	612
70	Surrogate Light Chain Expressing Human Peripheral B Cells Produce Self-reactive Antibodies. Journal of Experimental Medicine, 2004, 199, 145-150.	4.2	122
71	Bruton's Tyrosine Kinase Is Essential for Human B Cell Tolerance. Journal of Experimental Medicine, 2004, 200, 927-934.	4.2	131
72	Human Autoantibody Silencing by Immunoglobulin Light Chains. Journal of Experimental Medicine, 2004, 200, 191-199.	4.2	109

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73	RAGs andRegulation ofAutoantibodies. Annual Review of Immunology, 2004, 22, 485-501.	9.5	82
74	Visualizing dendritic cell networks in vivo. Nature Immunology, 2004, 5, 1243-1250.	7.0	823
75	Predominant Autoantibody Production by Early Human B Cell Precursors. Science, 2003, 301, 1374-1377.	6.0	1,806
76	B-1a B Cells that Link the Innate and Adaptive Immune Responses Are Lacking in the Absence of the Spleen. Journal of Experimental Medicine, 2002, 195, 771-780.	4.2	226