

Shane Crotty

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.

208 papers	27,751 citations	78 h-index	166 g-index
234 ext. papers	36,834 ext. citations	15.9 avg, IF	8.15 L-index

#	Paper	IF	Citations
208	From structure to sequence: Antibody discovery using cryoEM.. <i>Science Advances</i> , 2022 , 8, eabk2039	14.3	2
207	SARS-CoV-2 vaccination induces immunological T cell memory able to cross-recognize variants from Alpha to Omicron.. <i>Cell</i> , 2022 ,	56.2	75
206	Humoral and cellular immune memory to four COVID-19 vaccines. 2022 ,		2
205	Highly mutated antibodies capable of neutralizing N276 glycan-deficient HIV after a single immunization with an Env trimer.. <i>Cell Reports</i> , 2022 , 38, 110485	10.6	0
204	Multiplexed CRISPR/CAS9-mediated engineering of pre-clinical mouse models bearing native human B cell receptors. <i>EMBO Journal</i> , 2021 , 40, e105926	13	9
203	A particulate saponin/TLR agonist vaccine adjuvant alters lymph flow and modulates adaptive immunity. <i>Science Immunology</i> , 2021 , 6, eabf1152	28	5
202	SARS-CoV-2 infection generates tissue-localized immunological memory in humans. <i>Science Immunology</i> , 2021 , 6, eabl9105	28	33
201	Modulating the quantity of HIV Env-specific CD4 T cell help promotes rare B cell responses in germinal centers. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	12
200	AI-guided discovery of the invariant host response to viral pandemics 2021 ,		6
199	Negligible impact of SARS-CoV-2 variants on CD4 and CD8 T cell reactivity in COVID-19 exposed donors and vaccinees 2021 ,		81
198	Bcl6-Mediated Transcriptional Regulation of Follicular Helper T cells (T). <i>Trends in Immunology</i> , 2021 , 42, 336-349	14.4	16
197	Differential T-Cell Reactivity to Endemic Coronaviruses and SARS-CoV-2 in Community and Health Care Workers. <i>Journal of Infectious Diseases</i> , 2021 , 224, 70-80	7	14
196	Increased peripheral blood neutrophil activation phenotypes and NETosis in critically ill COVID-19 patients: a case series and review of the literature. <i>Clinical Infectious Diseases</i> , 2021 ,	11.6	21
195	Bromodomain protein BRD4 directs and sustains CD8 T cell differentiation during infection. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	4
194	Hybrid immunity. <i>Science</i> , 2021 , 372, 1392-1393	33.3	63
193	AI-guided discovery of the invariant host response to viral pandemics. <i>EBioMedicine</i> , 2021 , 68, 103390	8.8	13
192	SARS-CoV-2 human T cell epitopes: Adaptive immune response against COVID-19. <i>Cell Host and Microbe</i> , 2021 , 29, 1076-1092	23.4	59

191	Impact of SARS-CoV-2 variants on the total CD4 and CD8 T cell reactivity in infected or vaccinated individuals. <i>Cell Reports Medicine</i> , 2021 , 2, 100355	18	194
190	HIV vaccinology: 2021 update. <i>Seminars in Immunology</i> , 2021 , 51, 101470	10.7	3
189	Immunological memory to SARS-CoV-2 assessed for up to 8 months after infection. <i>Science</i> , 2021 , 371,	33.3	1183
188	Comprehensive analysis of T cell immunodominance and immunoprevalence of SARS-CoV-2 epitopes in COVID-19 cases. <i>Cell Reports Medicine</i> , 2021 , 2, 100204	18	184
187	Adaptive immunity to SARS-CoV-2 and COVID-19. <i>Cell</i> , 2021 , 184, 861-880	56.2	519
186	Antibody responses induced by SHIV infection are more focused than those induced by soluble native HIV-1 envelope trimers in non-human primates. <i>PLoS Pathogens</i> , 2021 , 17, e1009736	7.6	3
185	Profiling Transcription Initiation in Peripheral Leukocytes Reveals Severity-Associated Cis-Regulatory Elements in Critical COVID-19 2021 ,		1
184	Polyclonal antibody responses to HIV Env immunogens resolved using cryoEM. <i>Nature Communications</i> , 2021 , 12, 4817	17.4	8
183	Vaccine genetics of IGHV1-2 VRC01-class broadly neutralizing antibody precursor naïve human B cells. <i>Npj Vaccines</i> , 2021 , 6, 113	9.5	5
182	Revealing T follicular helper cells with BCL6. <i>Nature Reviews Immunology</i> , 2021 , 21, 616-617	36.5	1
181	Low-dose mRNA-1273 COVID-19 vaccine generates durable memory enhanced by cross-reactive T cells. <i>Science</i> , 2021 , 374, eabj9853	33.3	60
180	Phosphate-mediated coanchoring of RBD immunogens and molecular adjuvants to alum potentiates humoral immunity against SARS-CoV-2. <i>Science Advances</i> , 2021 , 7, eabj6538	14.3	3
179	Factors in B cell competition and immunodominance. <i>Immunological Reviews</i> , 2020 , 296, 120-131	11.3	25
178	Bcl-6 is the nexus transcription factor of T follicular helper cells via repressor-of-repressor circuits. <i>Nature Immunology</i> , 2020 , 21, 777-789	19.1	30
177	3M-052, a synthetic TLR-7/8 agonist, induces durable HIV-1 envelope-specific plasma cells and humoral immunity in nonhuman primates. <i>Science Immunology</i> , 2020 , 5,	28	38
176	Harnessing Activin A Adjuvanticity to Promote Antibody Responses to BG505 HIV Envelope Trimers. <i>Frontiers in Immunology</i> , 2020 , 11, 1213	8.4	2
175	Pre-existing immunity to SARS-CoV-2: the knowns and unknowns. <i>Nature Reviews Immunology</i> , 2020 , 20, 457-458	36.5	214
174	Engineered immunogen binding to alum adjuvant enhances humoral immunity. <i>Nature Medicine</i> , 2020 , 26, 430-440	50.5	80

173	Normal human lymph node T follicular helper cells and germinal center B cells accessed via fine needle aspirations. <i>Journal of Immunological Methods</i> , 2020 , 479, 112746	2.5	13
172	Reinvigorating NIH Grant Peer Review. <i>Immunity</i> , 2020 , 52, 1-3	32.3	13
171	Targets of T Cell Responses to SARS-CoV-2 Coronavirus in Humans with COVID-19 Disease and Unexposed Individuals. <i>Cell</i> , 2020 , 181, 1489-1501.e15	56.2	1900
170	Immunological memory to SARS-CoV-2 assessed for up to eight months after infection 2020 ,		75
169	Comprehensive analysis of T cell immunodominance and immunoprevalence of SARS-CoV-2 epitopes in COVID-19 cases 2020 ,		11
168	Multifaceted Effects of Antigen Valency on B Cell Response Composition and Differentiation InVivo. <i>Immunity</i> , 2020 , 53, 548-563.e8	32.3	59
167	Antigen-Specific Adaptive Immunity to SARS-CoV-2 in Acute COVID-19 and Associations with Age and Disease Severity. <i>Cell</i> , 2020 , 183, 996-1012.e19	56.2	711
166	Cross-reactive memory T cells and herd immunity to SARS-CoV-2. <i>Nature Reviews Immunology</i> , 2020 , 20, 709-713	36.5	132
165	Systems Biology Methods Applied to Blood and Tissue for a Comprehensive Analysis of Immune Response to Hepatitis B Vaccine in Adults. <i>Frontiers in Immunology</i> , 2020 , 11, 580373	8.4	8
164	Selective and cross-reactive SARS-CoV-2 T cell epitopes in unexposed humans. <i>Science</i> , 2020 , 370, 89-94	33.3	593
163	B cells expressing authentic naive human VRC01-class BCRs can be recruited to germinal centers and affinity mature in multiple independent mouse models. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 22920-22931	11.5	20
162	Targeting HIV Env immunogens to B cell follicles in nonhuman primates through immune complex or protein nanoparticle formulations. <i>Npj Vaccines</i> , 2020 , 5, 72	9.5	20
161	Slow Delivery Immunization Enhances HIV Neutralizing Antibody and Germinal Center Responses via Modulation of Immunodominance. <i>Cell</i> , 2019 , 177, 1153-1171.e28	56.2	143
160	T Follicular Helper Cell Biology: A Decade of Discovery and Diseases. <i>Immunity</i> , 2019 , 50, 1132-1148	32.3	478
159	Recurrent group A tonsillitis is an immunosusceptibility disease involving antibody deficiency and aberrant T cells. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	49
158	A generalized HIV vaccine design strategy for priming of broadly neutralizing antibody responses. <i>Science</i> , 2019 , 366,	33.3	89
157	Rapid Germinal Center and Antibody Responses in Non-human Primates after a Single Nanoparticle Vaccine Immunization. <i>Cell Reports</i> , 2019 , 29, 1756-1766.e8	10.6	27
156	Vaccine-Induced Protection from Homologous Tier 2 SHIV Challenge in Nonhuman Primates Depends on Serum-Neutralizing Antibody Titers. <i>Immunity</i> , 2019 , 50, 241-252.e6	32.3	96

155	The Transcription Factor Runx3 Establishes Chromatin Accessibility of cis-Regulatory Landscapes that Drive Memory Cytotoxic T Lymphocyte Formation. <i>Immunity</i> , 2018 , 48, 659-674.e6	32.3	69
154	Precursor Frequency and Affinity Determine B Cell Competitive Fitness in Germinal Centers, Tested with Germline-Targeting HIV Vaccine Immunogens. <i>Immunity</i> , 2018 , 48, 133-146.e6	32.3	173
153	Raging evolution of a B cell response to a viral infection. <i>Nature Reviews Immunology</i> , 2018 , 18, 79	36.5	4
152	BALDR: a computational pipeline for paired heavy and light chain immunoglobulin reconstruction in single-cell RNA-seq data. <i>Genome Medicine</i> , 2018 , 10, 20	14.4	37
151	Characterization of murine antibody responses to vaccinia virus envelope protein A14 reveals an immunodominant antigen lacking of effective neutralization targets. <i>Virology</i> , 2018 , 518, 284-292	3.6	1
150	Apolipoprotein AI prevents regulatory to follicular helper T cell switching during atherosclerosis. <i>Nature Communications</i> , 2018 , 9, 1095	17.4	85
149	Do Memory CD4 T Cells Keep Their Cell-Type Programming: Plasticity versus Fate Commitment? Complexities of Interpretation due to the Heterogeneity of Memory CD4 T Cells, Including T Follicular Helper Cells. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018 , 10,	10.2	27
148	Allergen-specific immunotherapy modulates the balance of circulating Tfh and Tfr cells. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 141, 775-777.e6	11.5	33
147	The human naive B cell repertoire contains distinct subclasses for a germline-targeting HIV-1 vaccine immunogen. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	62
146	Differential cell-intrinsic regulations of germinal center B and T cells by miR-146a and miR-146b. <i>Nature Communications</i> , 2018 , 9, 2757	17.4	40
145	Innovative approaches to track lymph node germinal center responses to evaluate development of broadly neutralizing antibodies in human HIV vaccine trials. <i>Vaccine</i> , 2018 , 36, 5671-5677	4.1	7
144	Epitopes for neutralizing antibodies induced by HIV-1 envelope glycoprotein BG505 SOSIP trimers in rabbits and macaques. <i>PLoS Pathogens</i> , 2018 , 14, e1006913	7.6	78
143	Th1/Th17 polarization persists following whole-cell pertussis vaccination despite repeated acellular boosters. <i>Journal of Clinical Investigation</i> , 2018 , 128, 3853-3865	15.9	61
142	Structure-function characterization of three human antibodies targeting the vaccinia virus adhesion molecule D8. <i>Journal of Biological Chemistry</i> , 2018 , 293, 390-401	5.4	1
141	Ezh2 programs T differentiation by integrating phosphorylation-dependent activation of Bcl6 and polycomb-dependent repression of p19Arf. <i>Nature Communications</i> , 2018 , 9, 5452	17.4	38
140	When designing vaccines, consider the starting material: the human B cell repertoire. <i>Current Opinion in Immunology</i> , 2018 , 53, 209-216	7.8	44
139	Tfh cells and HIV bnAbs, an immunodominance model of the HIV neutralizing antibody generation problem. <i>Immunological Reviews</i> , 2017 , 275, 49-61	11.3	111
138	Development of an animal model of progressive vaccinia in nu/nu mice and the use of bioluminescence imaging for assessment of the efficacy of monoclonal antibodies against vaccinia B5 and L1 proteins. <i>Antiviral Research</i> , 2017 , 144, 8-20	10.8	1

137	Elicitation of Robust Tier 2 Neutralizing Antibody Responses in Nonhuman Primates by HIV Envelope Trimer Immunization Using Optimized Approaches. <i>Immunity</i> , 2017 , 46, 1073-1088.e6	32.3	204
136	Epigenetic landscapes reveal transcription factors that regulate CD8 T cell differentiation. <i>Nature Immunology</i> , 2017 , 18, 573-582	19.1	130
135	Adjuvanting a Simian Immunodeficiency Virus Vaccine with Toll-Like Receptor Ligands Encapsulated in Nanoparticles Induces Persistent Antibody Responses and Enhanced Protection in TRIM5 ^Δ Restrictive Macaques. <i>Journal of Virology</i> , 2017 , 91,	6.6	58
134	Definition of Human Epitopes Recognized in Tetanus Toxoid and Development of an Assay Strategy to Detect Ex Vivo Tetanus CD4 ⁺ T Cell Responses. <i>PLoS ONE</i> , 2017 , 12, e0169086	3.7	32
133	Comparative analysis of activation induced marker (AIM) assays for sensitive identification of antigen-specific CD4 T cells. <i>PLoS ONE</i> , 2017 , 12, e0186998	3.7	119
132	Germinal center enhancement by extended antigen availability. <i>Current Opinion in Immunology</i> , 2017 , 47, 64-69	7.8	62
131	Structure-based design of native-like HIV-1 envelope trimers to silence non-neutralizing epitopes and eliminate CD4 binding. <i>Nature Communications</i> , 2017 , 8, 1655	17.4	96
130	A distinct subpopulation of CD25 T-follicular regulatory cells localizes in the germinal centers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E6400-E6409	11.5	110
129	T cells control the generation of nanomolar-affinity anti-glycan antibodies. <i>Journal of Clinical Investigation</i> , 2017 , 127, 1491-1504	15.9	47
128	Runx3 programs CD8 T cell residency in non-lymphoid tissues and tumours. <i>Nature</i> , 2017 , 552, 253-257	50.4	268
127	Direct Probing of Germinal Center Responses Reveals Immunological Features and Bottlenecks for Neutralizing Antibody Responses to HIV Env Trimer. <i>Cell Reports</i> , 2016 , 17, 2195-2209	10.6	110
126	Response to Comment on "A Cytokine-Independent Approach To Identify Antigen-Specific Human Germinal Center T Follicular Helper Cells and Rare Antigen-Specific CD4 ⁺ T Cells in Blood". <i>Journal of Immunology</i> , 2016 , 197, 2558	5.3	6
125	Dances with cytokines, featuring TFH cells, IL-21, IL-4 and B cells. <i>Nature Immunology</i> , 2016 , 17, 1135-6	19.1	32
124	A Cytokine-Independent Approach To Identify Antigen-Specific Human Germinal Center T Follicular Helper Cells and Rare Antigen-Specific CD4 ⁺ T Cells in Blood. <i>Journal of Immunology</i> , 2016 , 197, 983-93	5.3	131
123	Cytokine-Independent Detection of Antigen-Specific Germinal Center T Follicular Helper Cells in Immunized Nonhuman Primates Using a Live Cell Activation-Induced Marker Technique. <i>Journal of Immunology</i> , 2016 , 197, 994-1002	5.3	89
122	HIV-1 broadly neutralizing antibody precursor B cells revealed by germline-targeting immunogen. <i>Science</i> , 2016 , 351, 1458-63	33.3	266
121	CXCL13 is a plasma biomarker of germinal center activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 2702-7	11.5	204
120	Cutting Edge: NFAT Transcription Factors Promote the Generation of Follicular Helper T Cells in Response to Acute Viral Infection. <i>Journal of Immunology</i> , 2016 , 196, 2015-9	5.3	40

119	CRISPR-Mediated Slamf1/3/5/6 Triple Gene Disruption Reveals NKT Cell Defects but Not T Follicular Helper Cell Defects. <i>PLoS ONE</i> , 2016 , 11, e0156074	3.7	13
118	Broadly Neutralizing Antibody Responses in a Large Longitudinal Sub-Saharan HIV Primary Infection Cohort. <i>PLoS Pathogens</i> , 2016 , 12, e1005369	7.6	178
117	Activin A programs the differentiation of human TFH cells. <i>Nature Immunology</i> , 2016 , 17, 976-84	19.1	90
116	Th1 versus Th2 T cell polarization by whole-cell and acellular childhood pertussis vaccines persists upon re-immunization in adolescence and adulthood. <i>Cellular Immunology</i> , 2016 , 304-305, 35-43	4.4	51
115	Id2 reinforces TH1 differentiation and inhibits E2A to repress TFH differentiation. <i>Nature Immunology</i> , 2016 , 17, 834-43	19.1	62
114	Linear Epitopes in Vaccinia Virus A27 Are Targets of Protective Antibodies Induced by Vaccination against Smallpox. <i>Journal of Virology</i> , 2016 , 90, 4334-4345	6.6	10
113	A TRAF-like motif of the inducible costimulator ICOS controls development of germinal center TFH cells via the kinase TBK1. <i>Nature Immunology</i> , 2016 , 17, 825-33	19.1	44
112	Sustained antigen availability during germinal center initiation enhances antibody responses to vaccination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E6639-E6648	11.5	164
111	Dengue virus infection elicits highly polarized CX3CR1+ cytotoxic CD4+ T cells associated with protective immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E4256-63	11.5	173
110	LEF-1 and TCF-1 orchestrate T(FH) differentiation by regulating differentiation circuits upstream of the transcriptional repressor Bcl6. <i>Nature Immunology</i> , 2015 , 16, 980-90	19.1	195
109	Cutting edge: T follicular helper cell differentiation is defective in the absence of Bcl6 BTB repressor domain function. <i>Journal of Immunology</i> , 2015 , 194, 5599-603	5.3	23
108	In vivo RNAi screens: concepts and applications. <i>Trends in Immunology</i> , 2015 , 36, 315-22	14.4	15
107	BCL6 orchestrates Tfh cell differentiation via multiple distinct mechanisms. <i>Journal of Experimental Medicine</i> , 2015 , 212, 539-53	16.6	156
106	Murine Antibody Responses to Cleaved Soluble HIV-1 Envelope Trimers Are Highly Restricted in Specificity. <i>Journal of Virology</i> , 2015 , 89, 10383-98	6.6	105
105	Bcl6 middle domain repressor function is required for T follicular helper cell differentiation and utilizes the corepressor MTA3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 13324-9	11.5	19
104	Reversible Reprogramming of Circulating Memory T Follicular Helper Cell Function during Chronic HIV Infection. <i>Journal of Immunology</i> , 2015 , 195, 5625-36	5.3	55
103	Immunogenicity of Stabilized HIV-1 Envelope Trimers with Reduced Exposure of Non-neutralizing Epitopes. <i>Cell</i> , 2015 , 163, 1702-15	56.2	251
102	A brief history of T cell help to B cells. <i>Nature Reviews Immunology</i> , 2015 , 15, 185-9	36.5	325

101	The transcription factor NFAT promotes exhaustion of activated CD8+ T cells. <i>Immunity</i> , 2015 , 42, 265-273.	38.3	347
100	Structural and Functional Characterization of Anti-A33 Antibodies Reveal a Potent Cross-Species Orthopoxviruses Neutralizer. <i>PLoS Pathogens</i> , 2015 , 11, e1005148	7.6	11
99	Retroviral vector expression in TCR transgenic CD4+ T cells. <i>Methods in Molecular Biology</i> , 2015 , 1291, 49-61	1.4	8
98	African Early Infection Cohort as a Platform for Vaccine Discovery: The IAVI Protocol C Experience. <i>AIDS Research and Human Retroviruses</i> , 2014 , 30, A31-A31	1.6	
97	T follicular helper cell differentiation, function, and roles in disease. <i>Immunity</i> , 2014 , 41, 529-42	32.3	1067
96	The transcription factor Foxp1 is a critical negative regulator of the differentiation of follicular helper T cells. <i>Nature Immunology</i> , 2014 , 15, 667-75	19.1	82
95	The E3 ubiquitin ligase Itch is required for the differentiation of follicular helper T cells. <i>Nature Immunology</i> , 2014 , 15, 657-66	19.1	85
94	In vivo RNA interference screens identify regulators of antiviral CD4(+) and CD8(+) T cell differentiation. <i>Immunity</i> , 2014 , 41, 325-38	32.3	67
93	Potent neutralization of vaccinia virus by divergent murine antibodies targeting a common site of vulnerability in L1 protein. <i>Journal of Virology</i> , 2014 , 88, 11339-55	6.6	22
92	Murine anti-vaccinia virus D8 antibodies target different epitopes and differ in their ability to block D8 binding to CS-E. <i>PLoS Pathogens</i> , 2014 , 10, e1004495	7.6	7
91	Early lymphoid responses and germinal center formation correlate with lower viral load set points and better prognosis of simian immunodeficiency virus infection. <i>Journal of Immunology</i> , 2014 , 193, 797-806	5.3	33
90	Using a combined computational-experimental approach to predict antibody-specific B cell epitopes. <i>Structure</i> , 2014 , 22, 646-57	5.2	50
89	BCL6 Orchestrates Tfh Differentiation Via Multiple Distinct Mechanisms. <i>Blood</i> , 2014 , 124, 4137-4137	2.2	1
88	Human circulating PD-1+CXCR3-CXCR5+ memory Tfh cells are highly functional and correlate with broadly neutralizing HIV antibody responses. <i>Immunity</i> , 2013 , 39, 758-69	32.3	613
87	Dynamic regulation of Bcl6 in follicular helper CD4 T (Tfh) cells. <i>Current Opinion in Immunology</i> , 2013 , 25, 366-72	7.8	75
86	Exogenous OX40 stimulation during lymphocytic choriomeningitis virus infection impairs follicular Th cell differentiation and diverts CD4 T cells into the effector lineage by upregulating Blimp-1. <i>Journal of Immunology</i> , 2013 , 191, 5026-35	5.3	29
85	Harnessing CD4+ T cell responses in HIV vaccine development. <i>Nature Medicine</i> , 2013 , 19, 143-9	50.5	75
84	Cutting edge: STAT1 is required for IL-6-mediated Bcl6 induction for early follicular helper cell differentiation. <i>Journal of Immunology</i> , 2013 , 190, 3049-53	5.3	209

83	Inadequate T follicular cell help impairs B cell immunity during HIV infection. <i>Nature Medicine</i> , 2013 , 19, 494-9	50.5	286
82	Modulation of SAP dependent T:B cell interactions as a strategy to improve vaccination. <i>Current Opinion in Virology</i> , 2013 , 3, 363-70	7.5	35
81	Unusual features of vaccinia virus extracellular virion form neutralization resistance revealed in human antibody responses to the smallpox vaccine. <i>Journal of Virology</i> , 2013 , 87, 1569-85	6.6	18
80	Bcl6 expressing follicular helper CD4 T cells are fate committed early and have the capacity to form memory. <i>Journal of Immunology</i> , 2013 , 190, 4014-26	5.3	164
79	The 1-1-1 fallacy. <i>Immunological Reviews</i> , 2012 , 247, 133-42	11.3	33
78	The receptor Ly108 functions as a SAP adaptor-dependent on-off switch for T cell help to B cells and NKT cell development. <i>Immunity</i> , 2012 , 36, 986-1002	32.3	122
77	A Blueprint for HIV Vaccine Discovery. <i>Cell Host and Microbe</i> , 2012 , 12, 396-407	23.4	302
76	Protection of rabbits and immunodeficient mice against lethal poxvirus infections by human monoclonal antibodies. <i>PLoS ONE</i> , 2012 , 7, e48706	3.7	12
75	Structural and biochemical characterization of the vaccinia virus envelope protein D8 and its recognition by the antibody LA5. <i>Journal of Virology</i> , 2012 , 86, 8050-8	6.6	18
74	Bcl6 and Maf cooperate to instruct human follicular helper CD4 T cell differentiation. <i>Journal of Immunology</i> , 2012 , 188, 3734-44	5.3	255
73	STAT5 is a potent negative regulator of TFH cell differentiation. <i>Journal of Experimental Medicine</i> , 2012 , 209, 243-50	16.6	360
72	OX40 facilitates control of a persistent virus infection. <i>PLoS Pathogens</i> , 2012 , 8, e1002913	7.6	51
71	Follicular helper CD4 T cells (TFH). <i>Annual Review of Immunology</i> , 2011 , 29, 621-63	34.7	1928
70	Protective murine and human monoclonal antibodies against eczema vaccinatum. <i>Antiviral Therapy</i> , 2011 , 16, 67-75	1.6	10
69	IL-21 and IL-6 are critical for different aspects of B cell immunity and redundantly induce optimal follicular helper CD4 T cell (Tfh) differentiation. <i>PLoS ONE</i> , 2011 , 6, e17739	3.7	367
68	An epitope conserved in orthopoxvirus A13 envelope protein is the target of neutralizing and protective antibodies. <i>Virology</i> , 2011 , 418, 67-73	3.6	13
67	ICOS receptor instructs T follicular helper cell versus effector cell differentiation via induction of the transcriptional repressor Bcl6. <i>Immunity</i> , 2011 , 34, 932-46	32.3	670
66	B cell-specific expression of B7-2 is required for follicular Th cell function in response to vaccinia virus. <i>Journal of Immunology</i> , 2011 , 186, 5294-303	5.3	57

65	Effectors and memories: Bcl-6 and Blimp-1 in T and B lymphocyte differentiation. <i>Nature Immunology</i> , 2010 , 11, 114-20	19.1	377
64	Combination therapy of vaccinia virus infection with human anti-H3 and anti-B5 monoclonal antibodies in a small animal model. <i>Antiviral Therapy</i> , 2010 , 15, 661-75	1.6	33
63	In vivo regulation of Bcl6 and T follicular helper cell development. <i>Journal of Immunology</i> , 2010 , 185, 313-26	5.3	214
62	Germinal center T follicular helper cell IL-4 production is dependent on signaling lymphocytic activation molecule receptor (CD150). <i>Journal of Immunology</i> , 2010 , 185, 190-202	5.3	309
61	Polyfunctional CD4+ T cell responses to a set of pathogenic arenaviruses provide broad population coverage. <i>Immunome Research</i> , 2010 , 6, 4		12
60	Uncovering the interplay between CD8, CD4 and antibody responses to complex pathogens. <i>Future Microbiology</i> , 2010 , 5, 221-39	2.9	55
59	Inhibition of NK cell activity by IL-17 allows vaccinia virus to induce severe skin lesions in a mouse model of eczema vaccinatum. <i>Journal of Experimental Medicine</i> , 2009 , 206, 1219-25	16.6	69
58	Vaccinia virus extracellular enveloped virion neutralization in vitro and protection in vivo depend on complement. <i>Journal of Virology</i> , 2009 , 83, 1201-15	6.6	71
57	Heavily isotype-dependent protective activities of human antibodies against vaccinia virus extracellular virion antigen B5. <i>Journal of Virology</i> , 2009 , 83, 12355-67	6.6	40
56	The smallpox vaccine induces an early neutralizing IgM response. <i>Vaccine</i> , 2009 , 28, 140-7	4.1	25
55	Definition of epitopes and antigens recognized by vaccinia specific immune responses: their conservation in variola virus sequences, and use as a model system to study complex pathogens. <i>Vaccine</i> , 2009 , 27 Suppl 6, G21-6	4.1	37
54	Bcl6 and Blimp-1 are reciprocal and antagonistic regulators of T follicular helper cell differentiation. <i>Science</i> , 2009 , 325, 1006-10	33.3	1099
53	Selective CD4+ T cell help for antibody responses to a large viral pathogen: deterministic linkage of specificities. <i>Immunity</i> , 2008 , 28, 847-58	32.3	145
52	Quantitative PCR technique for detecting lymphocytic choriomeningitis virus in vivo. <i>Journal of Virological Methods</i> , 2008 , 147, 167-76	2.6	79
51	OX40 drives protective vaccinia virus-specific CD8 T cells. <i>Journal of Immunology</i> , 2008 , 181, 7969-76	5.3	63
50	NKT cells prevent chronic joint inflammation after infection with <i>Borrelia burgdorferi</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 19863-8	11.5	74
49	Redundancy and plasticity of neutralizing antibody responses are cornerstone attributes of the human immune response to the smallpox vaccine. <i>Journal of Virology</i> , 2008 , 82, 3751-68	6.6	70
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