

Shane Crotty

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5499048/publications.pdf>

Version: 2024-02-01

196
papers

42,485
citations

3731

89
h-index

2895

190
g-index

234
all docs

234
docs citations

234
times ranked

38590
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	28.9	3,220
2	Follicular Helper CD4 T Cells (T _{FH}). <i>Annual Review of Immunology</i> , 2011, 29, 621-663.	21.8	2,391
3	Immunological memory to SARS-CoV-2 assessed for up to 8 months after infection. <i>Science</i> , 2021, 371, .	12.6	2,268
4	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.	28.9	1,494
5	T Follicular Helper Cell Differentiation, Function, and Roles in Disease. <i>Immunity</i> , 2014, 41, 529-542.	14.3	1,477
6	Adaptive immunity to SARS-CoV-2 and COVID-19. <i>Cell</i> , 2021, 184, 861-880.	28.9	1,364
7	Bcl6 and Blimp-1 Are Reciprocal and Antagonistic Regulators of T Follicular Helper Cell Differentiation. <i>Science</i> , 2009, 325, 1006-1010.	12.6	1,360
8	Selective and cross-reactive SARS-CoV-2 T cell epitopes in unexposed humans. <i>Science</i> , 2020, 370, 89-94.	12.6	1,036
9	T Follicular Helper Cell Biology: A Decade of Discovery and Diseases. <i>Immunity</i> , 2019, 50, 1132-1148.	14.3	959
10	ICOS Receptor Instructs T Follicular Helper Cell versus Effector Cell Differentiation via Induction of the Transcriptional Repressor Bcl6. <i>Immunity</i> , 2011, 34, 932-946.	14.3	792
11	Human Circulating PD-1+CXCR3 ^{hi} CXCR5+ Memory Tfh Cells Are Highly Functional and Correlate with Broadly Neutralizing HIV Antibody Responses. <i>Immunity</i> , 2013, 39, 758-769.	14.3	790
12	The broad-spectrum antiviral ribonucleoside ribavirin is an RNA virus mutagen. <i>Nature Medicine</i> , 2000, 6, 1375-1379.	30.7	755
13	Cutting Edge: Long-Term B Cell Memory in Humans after Smallpox Vaccination. <i>Journal of Immunology</i> , 2003, 171, 4969-4973.	0.8	604
14	SARS-CoV-2 vaccination induces immunological T cell memory able to cross-recognize variants from Alpha to Omicron. <i>Cell</i> , 2022, 185, 847-859.e11.	28.9	590
15	The Transcription Factor NFAT Promotes Exhaustion of Activated CD8 + T Cells. <i>Immunity</i> , 2015, 42, 265-278.	14.3	555
16	Cytotoxic T-cell immunity to virus-infected non-haematopoietic cells requires presentation of exogenous antigen. <i>Nature</i> , 1999, 398, 77-80.	27.8	535
17	Resolution of a chronic viral infection after interleukin-10 receptor blockade. <i>Journal of Experimental Medicine</i> , 2006, 203, 2461-2472.	8.5	501
18	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.	6.5	490

#	ARTICLE	IF	CITATIONS
19	Runx3 programs CD8+ T cell residency in non-lymphoid tissues and tumours. <i>Nature</i> , 2017, 552, 253-257.	27.8	471
20	A brief history of T cell help to B cells. <i>Nature Reviews Immunology</i> , 2015, 15, 185-189.	22.7	452
21	Effectors and memories: Bcl-6 and Blimp-1 in T and B lymphocyte differentiation. <i>Nature Immunology</i> , 2010, 11, 114-120.	14.5	450
22	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.	2.5	450
23	Comprehensive analysis of T _H cell immunodominance and immunoprevalence of SARS-CoV-2 epitopes in COVID-19 cases. <i>Cell Reports Medicine</i> , 2021, 2, 100204.	6.5	437
24	STAT5 is a potent negative regulator of TFH cell differentiation. <i>Journal of Experimental Medicine</i> , 2012, 209, 243-250.	8.5	422
25	Tracking human antigen-specific memory B cells: a sensitive and generalized ELISPOT system. <i>Journal of Immunological Methods</i> , 2004, 286, 111-122.	1.4	407
26	SAP is required for generating long-term humoral immunity. <i>Nature</i> , 2003, 421, 282-287.	27.8	382
27	HIV-1 broadly neutralizing antibody precursor B cells revealed by germline-targeting immunogen. <i>Science</i> , 2016, 351, 1458-1463.	12.6	382
28	Profiling the humoral immune response to infection by using proteome microarrays: High-throughput vaccine and diagnostic antigen discovery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 547-552.	7.1	378
29	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.	0.8	367
30	A Blueprint for HIV Vaccine Discovery. <i>Cell Host and Microbe</i> , 2012, 12, 396-407.	11.0	348
31	Inadequate T follicular cell help impairs B cell immunity during HIV infection. <i>Nature Medicine</i> , 2013, 19, 494-499.	30.7	342
32	Immunogenicity of Stabilized HIV-1 Envelope Trimers with Reduced Exposure of Non-neutralizing Epitopes. <i>Cell</i> , 2015, 163, 1702-1715.	28.9	341
33	Pre-existing immunity to SARS-CoV-2: the knowns and unknowns. <i>Nature Reviews Immunology</i> , 2020, 20, 457-458.	22.7	338
34	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, 2702-2707.	7.1	322
35	Bcl6 and Maf Cooperate To Instruct Human Follicular Helper CD4 T Cell Differentiation. <i>Journal of Immunology</i> , 2012, 188, 3734-3744.	0.8	302
36	Slow Delivery Immunization Enhances HIV Neutralizing Antibody and Germinal Center Responses via Modulation of Immunodominance. <i>Cell</i> , 2019, 177, 1153-1171.e28.	28.9	293

#	ARTICLE	IF	CITATIONS
37	Humoral and cellular immune memory to four COVID-19 vaccines. <i>Cell</i> , 2022, 185, 2434-2451.e17.	28.9	289
38	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.	7.1	286
39	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.	14.3	286
40	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.	14.3	274
41	Cutting Edge: STAT1 Is Required for IL-6-Mediated Bcl6 Induction for Early Follicular Helper Cell Differentiation. <i>Journal of Immunology</i> , 2013, 190, 3049-3053.	0.8	273
42	LEF-1 and TCF-1 orchestrate TFH differentiation by regulating differentiation circuits upstream of the transcriptional repressor Bcl6. <i>Nature Immunology</i> , 2015, 16, 980-990.	14.5	272
43	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.	7.1	266
44	In Vivo Regulation of Bcl6 and T Follicular Helper Cell Development. <i>Journal of Immunology</i> , 2010, 185, 313-326.	0.8	243
45	SARS-CoV-2 human T cell epitopes: Adaptive immune response against COVID-19. <i>Cell Host and Microbe</i> , 2021, 29, 1076-1092.	11.0	242
46	Broadly Neutralizing Antibody Responses in a Large Longitudinal Sub-Saharan HIV Primary Infection Cohort. <i>PLoS Pathogens</i> , 2016, 12, e1005369.	4.7	241
47	Comparative analysis of activation induced marker (AIM) assays for sensitive identification of antigen-specific CD4 T cells. <i>PLoS ONE</i> , 2017, 12, e0186998.	2.5	240
48	Low-dose mRNA-1273 COVID-19 vaccine generates durable memory enhanced by cross-reactive T cells. <i>Science</i> , 2021, 374, eabj9853.	12.6	236
49	Cross-reactive memory T cells and herd immunity to SARS-CoV-2. <i>Nature Reviews Immunology</i> , 2020, 20, 709-713.	22.7	229
50	BCL6 orchestrates Tfh cell differentiation via multiple distinct mechanisms. <i>Journal of Experimental Medicine</i> , 2015, 212, 539-553.	8.5	218
51	Hybrid immunity. <i>Science</i> , 2021, 372, 1392-1393.	12.6	218
52	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, 983-993.	0.8	215
53	Ribavirin's antiviral mechanism of action: lethal mutagenesis?. <i>Journal of Molecular Medicine</i> , 2002, 80, 86-95.	3.9	211
54	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, 4014-4026.	0.8	207

#	ARTICLE	IF	CITATIONS
55	Immunological memory in humans. <i>Seminars in Immunology</i> , 2004, 16, 197-203.	5.6	201
56	Immunity and immunological memory following smallpox vaccination. <i>Immunological Reviews</i> , 2006, 211, 320-337.	6.0	197
57	Epigenetic landscapes reveal transcription factors that regulate CD8+ T cell differentiation. <i>Nature Immunology</i> , 2017, 18, 573-582.	14.5	193
58	Vaccinia Virus H3L Envelope Protein Is a Major Target of Neutralizing Antibodies in Humans and Elicits Protection against Lethal Challenge in Mice. <i>Journal of Virology</i> , 2005, 79, 11724-11733.	3.4	187
59	A generalized HIV vaccine design strategy for priming of broadly neutralizing antibody responses. <i>Science</i> , 2019, 366, .	12.6	172
60	Engineered immunogen binding to alum adjuvant enhances humoral immunity. <i>Nature Medicine</i> , 2020, 26, 430-440.	30.7	172
61	Tfh cells and HIV bnAbs, an immunodominance model of the HIV neutralizing antibody generation problem. <i>Immunological Reviews</i> , 2017, 275, 49-61.	6.0	167
62	A distinct subpopulation of CD25 ^{hi} 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.	7.1	167
63	Selective CD4+ T Cell Help for Antibody Responses to a Large Viral Pathogen: Deterministic Linkage of Specificities. <i>Immunity</i> , 2008, 28, 847-858.	14.3	166
64	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.	14.3	153
65	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.	6.4	150
66	Multifaceted Effects of Antigen Valency on B Cell Response Composition and Differentiation In Vivo. <i>Immunity</i> , 2020, 53, 548-563.e8.	14.3	149
67	Murine Antibody Responses to Cleaved Soluble HIV-1 Envelope Trimers Are Highly Restricted in Specificity. <i>Journal of Virology</i> , 2015, 89, 10383-10398.	3.4	148
68	SARS-CoV-2 infection generates tissue-localized immunological memory in humans. <i>Science Immunology</i> , 2021, 6, eabl9105.	11.9	147
69	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.	12.8	142
70	SAP regulates T cell-mediated help for humoral immunity by a mechanism distinct from cytokine regulation. <i>Journal of Experimental Medicine</i> , 2006, 203, 1551-1565.	8.5	140
71	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.	14.3	138
72	Correlates of protection against SARS-CoV-2 infection and COVID-19 disease. <i>Immunological Reviews</i> , 2022, 310, 6-26.	6.0	138

#	ARTICLE	IF	CITATIONS
73	Immunological memory to <scp>SARSâ€CoV</scp>â€2 infection and <scp>COVID</scp>â€19 vaccines. <i>Immunological Reviews</i> , 2022, 310, 27-46.	6.0	137
74	Proteome-wide analysis of the serological response to vaccinia and smallpox. <i>Proteomics</i> , 2007, 7, 1678-1686.	2.2	136
75	Activin A programs the differentiation of human TFH cells. <i>Nature Immunology</i> , 2016, 17, 976-984.	14.5	135
76	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.	0.8	130
77	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.	14.3	129
78	Apolipoprotein AI prevents regulatory to follicular helper T cell switching during atherosclerosis. <i>Nature Communications</i> , 2018, 9, 1095.	12.8	129
79	Monkeypox-Induced Immunity and Failure of Childhood Smallpox Vaccination To Provide Complete Protection. <i>Vaccine Journal</i> , 2007, 14, 1318-1327.	3.1	126
80	Cytotoxic T-cell immunity to virus-infected non-haematopoietic cells requires presentation of exogenous antigen. <i>Nature</i> , 1999, 402, 25-29.	27.8	122
81	Immune Responses to Bacillus anthracis Protective Antigen in Patients with Bioterrorismâ€Related Cutaneous or Inhalation Anthrax. <i>Journal of Infectious Diseases</i> , 2004, 190, 1228-1236.	4.0	121
82	The human naive B cell repertoire contains distinct subclasses for a germline-targeting HIV-1 vaccine immunogen. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	113
83	Poliovirus RNA-dependent RNA Polymerase (3Dpol). <i>Journal of Biological Chemistry</i> , 2000, 275, 25523-25532.	3.4	111
84	Epitopes for neutralizing antibodies induced by HIV-1 envelope glycoprotein BG505 SOSIP trimers in rabbits and macaques. <i>PLoS Pathogens</i> , 2018, 14, e1006913.	4.7	111
85	The transcription factor Foxp1 is a critical negative regulator of the differentiation of follicular helper T cells. <i>Nature Immunology</i> , 2014, 15, 667-675.	14.5	107
86	Th1/Th17 polarization persists following whole-cell pertussis vaccination despite repeated acellular boosters. <i>Journal of Clinical Investigation</i> , 2018, 128, 3853-3865.	8.2	107
87	Protection against Simian Immunodeficiency Virus Vaginal Challenge by Using Sabin Poliovirus Vectors. <i>Journal of Virology</i> , 2001, 75, 7435-7452.	3.4	105
88	Quantitative PCR technique for detecting lymphocytic choriomeningitis virus in vivo. <i>Journal of Virological Methods</i> , 2008, 147, 167-176.	2.1	104
89	Harnessing CD4+ T cell responses in HIV vaccine development. <i>Nature Medicine</i> , 2013, 19, 143-149.	30.7	101
90	The E3 ubiquitin ligase Itch is required for the differentiation of follicular helper T cells. <i>Nature Immunology</i> , 2014, 15, 657-666.	14.5	101

#	ARTICLE	IF	CITATIONS
91	Vaccinia Virus-Specific CD4+ T Cell Responses Target a Set of Antigens Largely Distinct from Those Targeted by CD8+ T Cell Responses. <i>Journal of Immunology</i> , 2007, 178, 6814-6820.	0.8	97
92	In Vivo RNA Interference Screens Identify Regulators of Antiviral CD4+ and CD8+ T Cell Differentiation. <i>Immunity</i> , 2014, 41, 325-338.	14.3	95
93	SAP Regulation of Follicular Helper CD4 T Cell Development and Humoral Immunity Is Independent of SLAM and Fyn Kinase. <i>Journal of Immunology</i> , 2007, 178, 817-828.	0.8	92
94	Vaccinia Virus Extracellular Enveloped Virion Neutralization In Vitro and Protection In Vivo Depend on Complement. <i>Journal of Virology</i> , 2009, 83, 1201-1215.	3.4	90
95	Recurrent group A <i>Streptococcus</i> tonsillitis is an immunosusceptibility disease involving antibody deficiency and aberrant T _{FH} cells. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	90
96	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, .	11.9	90
97	Ly9 (CD229)-Deficient Mice Exhibit T Cell Defects yet Do Not Share Several Phenotypic Characteristics Associated with SLAM- and SAP-Deficient Mice. <i>Journal of Immunology</i> , 2006, 176, 291-300.	0.8	89
98	Id2 reinforces TH1 differentiation and inhibits E2A to repress TFH differentiation. <i>Nature Immunology</i> , 2016, 17, 834-843.	14.5	89
99	Germinal center enhancement by extended antigen availability. <i>Current Opinion in Immunology</i> , 2017, 47, 64-69.	5.5	89
100	Dynamic regulation of Bcl6 in follicular helper CD4 T (Tfh) cells. <i>Current Opinion in Immunology</i> , 2013, 25, 366-372.	5.5	88
101	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, 3751-3768.	3.4	87
102	Increased Peripheral Blood Neutrophil Activation Phenotypes and Neutrophil Extracellular Trap Formation in Critically Ill Coronavirus Disease 2019 (COVID-19) Patients: A Case Series and Review of the Literature. <i>Clinical Infectious Diseases</i> , 2022, 74, 479-489.	5.8	87
103	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, 19863-19868.	7.1	85
104	Bcl6-Mediated Transcriptional Regulation of Follicular Helper T cells (TFH). <i>Trends in Immunology</i> , 2021, 42, 336-349.	6.8	84
105	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.	3.0	83
106	Implications of high RNA virus mutation rates: lethal mutagenesis and the antiviral drug ribavirin. <i>Microbes and Infection</i> , 2002, 4, 1301-1307.	1.9	80
107	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.	14.5	80
108	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, 1219-1225.	8.5	74

#	ARTICLE	IF	CITATIONS
109	Reversible Reprogramming of Circulating Memory T Follicular Helper Cell Function during Chronic HIV Infection. <i>Journal of Immunology</i> , 2015, 195, 5625-5636.	0.8	74
110	Mucosal Immunization of Cynomolgus Macaques with Two Serotypes of Live Poliovirus Vectors Expressing Simian Immunodeficiency Virus Antigens: Stimulation of Humoral, Mucosal, and Cellular Immunity. <i>Journal of Virology</i> , 1999, 73, 9485-9495.	3.4	73
111	OX40 Drives Protective Vaccinia Virus-Specific CD8 T Cells. <i>Journal of Immunology</i> , 2008, 181, 7969-7976.	0.8	71
112	Adjuvanting a Simian Immunodeficiency Virus Vaccine with Toll-Like Receptor Ligands Encapsulated in Nanoparticles Induces Persistent Antibody Responses and Enhanced Protection in TRIM5 β Restrictive Macaques. <i>Journal of Virology</i> , 2017, 91, .	3.4	70
113	Poliovirus pathogenesis in a new poliovirus receptor transgenic mouse model: age-dependent paralysis and a mucosal route of infection. <i>Journal of General Virology</i> , 2002, 83, 1707-1720.	2.9	70
114	Uncovering the interplay between CD8, CD4 and antibody responses to complex pathogens. <i>Future Microbiology</i> , 2010, 5, 221-239.	2.0	68
115	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, 5294-5303.	0.8	68
116	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, 825-833.	14.5	68
117	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.	4.0	65
118	Using a Combined Computational-Experimental Approach to Predict Antibody-Specific B Cell Epitopes. <i>Structure</i> , 2014, 22, 646-657.	3.3	63
119	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, 2015-2019.	0.8	63
120	T cells control the generation of nanomolar-affinity anti-glycan antibodies. <i>Journal of Clinical Investigation</i> , 2017, 127, 1491-1504.	8.2	63
121	A particulate saponin/TLR agonist vaccine adjuvant alters lymph flow and modulates adaptive immunity. <i>Science Immunology</i> , 2021, 6, eabf1152.	11.9	63
122	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.	2.5	60
123	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.	8.2	60
124	OX40 Facilitates Control of a Persistent Virus Infection. <i>PLoS Pathogens</i> , 2012, 8, e1002913.	4.7	57
125	Differential cell-intrinsic regulations of germinal center B and T cells by miR-146a and miR-146b. <i>Nature Communications</i> , 2018, 9, 2757.	12.8	57
126	Factors in B cell competition and immunodominance. <i>Immunological Reviews</i> , 2020, 296, 120-131.	6.0	57

#	ARTICLE	IF	CITATIONS
127	Dances with cytokines, featuring TFH cells, IL-21, IL-4 and B cells. <i>Nature Immunology</i> , 2016, 17, 1135-1136.	14.5	55
128	Ezh2 programs TFH differentiation by integrating phosphorylation-dependent activation of Bcl6 and polycomb-dependent repression of p19Arf. <i>Nature Communications</i> , 2018, 9, 5452.	12.8	53
129	The Poliovirus Replication Machinery Can Escape Inhibition by an Antiviral Drug That Targets a Host Cell Protein. <i>Journal of Virology</i> , 2004, 78, 3378-3386.	3.4	52
130	When designing vaccines, consider the starting material: the human B cell repertoire. <i>Current Opinion in Immunology</i> , 2018, 53, 209-216.	5.5	52
131	Heavily Isotype-Dependent Protective Activities of Human Antibodies against Vaccinia Virus Extracellular Virion Antigen B5. <i>Journal of Virology</i> , 2009, 83, 12355-12367.	3.4	50
132	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, 661-675.	1.0	50
133	Do Memory CD4 T Cells Keep Their Cell-Type Programming: Plasticity versus Fate Commitment?. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a032102.	5.5	50
134	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.	6.4	47
135	Hypogammaglobulinemia and exacerbated CD8 T-cell-mediated immunopathology in SAP-deficient mice with chronic LCMV infection mimics human XLP disease. <i>Blood</i> , 2006, 108, 3085-3093.	1.4	45
136	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.	2.9	45
137	Modulation of SAP dependent T:B cell interactions as a strategy to improve vaccination. <i>Current Opinion in Virology</i> , 2013, 3, 363-370.	5.4	44
138	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, G21-G26.	3.8	43
139	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.	7.1	42
140	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, 11339-11355.	3.4	40
141	Vaccine genetics of IGHV1-2 VRC01-class broadly neutralizing antibody precursor naïve human B cells. <i>Npj Vaccines</i> , 2021, 6, 113.	6.0	40
142	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.	6.0	39
143	Poliovirus vaccine strains as mucosal vaccine vectors and their potential use to develop an AIDS vaccine. <i>Advanced Drug Delivery Reviews</i> , 2004, 56, 835-852.	13.7	38
144	AI-guided discovery of the invariant host response to viral pandemics. <i>EBioMedicine</i> , 2021, 68, 103390.	6.1	37

#	ARTICLE	IF	CITATIONS
145	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.	0.8	35
146	Polyclonal antibody responses to HIV Env immunogens resolved using cryoEM. <i>Nature Communications</i> , 2021, 12, 4817.	12.8	35
147	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, .	8.5	35
148	The 1â€œ1â€œ fallacy. <i>Immunological Reviews</i> , 2012, 247, 133-142.	6.0	34
149	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, 8050-8058.	3.4	33
150	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, 5026-5035.	0.8	33
151	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.	1.4	32
152	Structural and Functional Characterization of Anti-A33 Antibodies Reveal a Potent Cross-Species Orthopoxviruses Neutralizer. <i>PLoS Pathogens</i> , 2015, 11, e1005148.	4.7	32
153	The smallpox vaccine induces an early neutralizing IgM response. <i>Vaccine</i> , 2009, 28, 140-147.	3.8	31
154	HIV vaccinology: 2021 update. <i>Seminars in Immunology</i> , 2021, 51, 101470.	5.6	31
155	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, 5599-5603.	0.8	28
156	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, 13324-13329.	7.1	28
157	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.	4.8	28
158	Chronic Lymphocytic Choriomeningitis Virus Infection Actively Down-Regulates CD4+T Cell Responses Directed against a Broad Range of Epitopes. <i>Journal of Immunology</i> , 2007, 179, 1058-1067.	0.8	26
159	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, 1569-1585.	3.4	26
160	Development of a T cell-based immunodiagnostic system to effectively distinguish SARS-CoV-2 infection and COVID-19 vaccination status. <i>Cell Host and Microbe</i> , 2022, 30, 388-399.e3.	11.0	26
161	Multiplexed CRISPR/CAS9â€œmediated engineering of preâ€œclinical mouse models bearing native human B cell receptors. <i>EMBO Journal</i> , 2021, 40, e105926.	7.8	24
162	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.	3.4	23

#	ARTICLE	IF	CITATIONS
163	Manganese-Dependent Polioviruses Caused by Mutations within the Viral Polymerase. <i>Journal of Virology</i> , 2003, 77, 5378-5388.	3.4	22
164	Reinvigorating NIH Grant Peer Review. <i>Immunity</i> , 2020, 52, 1-3.	14.3	20
165	Structure–function characterization of three human antibodies targeting the vaccinia virus adhesion molecule D8. <i>Journal of Biological Chemistry</i> , 2018, 293, 390-401.	3.4	19
166	Bromodomain protein BRD4 directs and sustains CD8 T cell differentiation during infection. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	19
167	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.	10.3	19
168	An epitope conserved in orthopoxvirus A13 envelope protein is the target of neutralizing and protective antibodies. <i>Virology</i> , 2011, 418, 67-73.	2.4	18
169	In vivo RNAi screens: concepts and applications. <i>Trends in Immunology</i> , 2015, 36, 315-322.	6.8	18
170	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.	4.7	18
171	From structure to sequence: Antibody discovery using cryoEM. <i>Science Advances</i> , 2022, 8, eabk2039.	10.3	18
172	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.	4.7	17
173	Polyfunctional CD4+ T cell responses to a set of pathogenic arenaviruses provide broad population coverage. <i>Immunome Research</i> , 2010, 6, 4.	0.1	16
174	Protection of Rabbits and Immunodeficient Mice against Lethal Poxvirus Infections by Human Monoclonal Antibodies. <i>PLoS ONE</i> , 2012, 7, e48706.	2.5	16
175	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, 2558-2558.	0.8	16
176	CRISPR-Mediated Slamf1 ^{−/−} Slamf5 ^{−/−} Slamf6 ^{−/−} Triple Gene Disruption Reveals NKT Cell Defects but Not T Follicular Helper Cell Defects. <i>PLoS ONE</i> , 2016, 11, e0156074.	2.5	14
177	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.	3.8	11
178	Protective murine and human monoclonal antibodies against eczema vaccinatum. <i>Antiviral Therapy</i> , 2011, 16, 67-75.	1.0	10
179	Observations and perspectives on adaptive immunity to SARS-CoV-2. <i>Clinical Infectious Diseases</i> , 2022, , .	5.8	10
180	Retroviral Vector Expression in TCR Transgenic CD4+ T Cells. <i>Methods in Molecular Biology</i> , 2015, 1291, 49-61.	0.9	8

#	ARTICLE	IF	CITATIONS
181	Raging evolution of a B cell response to a viral infection. <i>Nature Reviews Immunology</i> , 2018, 18, 79-79.	22.7	4
182	Harnessing Activin A Adjuvanticity to Promote Antibody Responses to BG505 HIV Envelope Trimers. <i>Frontiers in Immunology</i> , 2020, 11, 1213.	4.8	4
183	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.	6.4	4
184	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.	4.1	3
185	Revealing T follicular helper cells with BCL6. <i>Nature Reviews Immunology</i> , 2021, 21, 616-617.	22.7	3
186	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.	2.4	2
187	Editorial overview: Vaccine immunology: what is seen and not seen. <i>Current Opinion in Immunology</i> , 2019, 59, iii-v.	5.5	1
188	BCL6 Orchestrates Tfh Differentiation Via Multiple Distinct Mechanisms. <i>Blood</i> , 2014, 124, 4137-4137.	1.4	1
189	Longitudinally Tracked, Rapid and Robust Antigen-Specific Germinal Center Responses in Non-Human Primates after a Single Nanoparticle Vaccine Immunization. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
190	Virus-based vectors for gene expression in mammalian cells: Poliovirus. <i>New Comprehensive Biochemistry</i> , 2003, , 169-187.	0.1	0
191	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.	1.1	0
192	IL-2 Mediates Generalized Tfh Downregulation during Allergen-Specific Immunotherapy. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, AB95.	2.9	0
193	Highly Mutated Antibodies Capable of Neutralizing N276-Glycan Deficient HIV after a Single Immunization with an Env Trimer. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
194	T cell independent B cell response to an RNA-binding viral protein (Vaccinia E3). <i>FASEB Journal</i> , 2008, 22, 861.2.	0.5	0
195	Important roles for Fyn in CD4 T cell activation and helper functions in vivo. <i>FASEB Journal</i> , 2008, 22, 1064.19.	0.5	0
196	Protection from vaccinia virus-induced severe skin lesions by natural killer cells in a mouse model of eczema vaccinatum. <i>FASEB Journal</i> , 2008, 22, 670.17.	0.5	0