# Shane Crotty

List of Publications by Year
in descending order



| | | 2911 | 2241 |
|---|---|---|---|
| 291 | 47,854 | 95 | 200 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 354 | 354 | 354 | 56726 |
| all docs | docs citations | times ranked | 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. Cell, 2020, 181, 1489-1501.e15. | 27.8 | 3,346 |
| 2 | Follicular Helper CD4 T Cells (T<sub>FH</sub>). Annual Review of Immunology, 2011, 29, 621-663. | 21.7 | 2,460 |
| 3 | Immunological memory to SARS-CoV-2 assessed for up to 8 months after infection. Science, 2021, 371, . | 20.9 | 2,399 |
| 4 | Antigen-Specific Adaptive Immunity to SARS-CoV-2 in Acute COVID-19 and Associations with Age and Disease Severity. Cell, 2020, 183, 996-1012.e19. | 27.8 | 1,571 |
| 5 | T Follicular Helper Cell Differentiation, Function, and Roles in Disease. Immunity, 2014, 41, 529-542. | 14.2 | 1,538 |
| 6 | Adaptive immunity to SARS-CoV-2 and COVID-19. Cell, 2021, 184, 861-880. | 27.8 | 1,470 |
| 7 | Selective and cross-reactive SARS-CoV-2 T cell epitopes in unexposed humans. Science, 2020, 370, 89-94. | 20.9 | 1,085 |
| 8 | T Follicular Helper Cell Biology: A Decade of Discovery and Diseases. Immunity, 2019, 50, 1132-1148. | 14.2 | 1,079 |
| 9 | Human Circulating PD-1+CXCR3â^'CXCR5+ Memory Tfh Cells Are Highly Functional and Correlate with Broadly Neutralizing HIV Antibody Responses. Immunity, 2013, 39, 758-769. | 14.2 | 815 |
| 10 | ICOS Receptor Instructs T Follicular Helper Cell versus Effector Cell Differentiation via Induction of the Transcriptional Repressor Bcl6. Immunity, 2011, 34, 932-946. | 14.2 | 807 |
| 11 | The broad-spectrum antiviral ribonucleoside ribavirin is an RNA virus mutagen. Nature Medicine, 2000, 6, 1375-1379. | 30.1 | 766 |
| 12 | Lead iodide perovskite light-emitting field-effect transistor. Nature Communications, 2015, 6, 7383. | 13.2 | 662 |
| 13 | SARS-CoV-2 vaccination induces immunological T cell memory able to cross-recognize variants from Alpha to Omicron. Cell, 2022, 185, 847-859.e11. | 27.8 | 660 |
| 14 | The Transcription Factor NFAT Promotes Exhaustion of Activated CD8 + T Cells. Immunity, 2015, 42, 265-278. | 14.2 | 597 |
| 15 | Cytotoxic T-cell immunity to virus-infected non-haematopoietic cells requires presentation of exogenous antigen. Nature, 1999, 398, 77-80. | 36.2 | 536 |
| 16 | Impact of SARS-CoV-2 variants on the total CD4+ and CD8+ TÂcell reactivity in infected or vaccinated individuals. Cell Reports Medicine, 2021, 2, 100355. | 5.9 | 523 |
| 17 | Runx3 programs CD8+ T cell residency in non-lymphoid tissues and tumours. Nature, 2017, 552, 253-257. | 36.2 | 511 |
| 18 | Resolution of a chronic viral infection after interleukin-10 receptor blockade. Journal of Experimental Medicine, 2006, 203, 2461-2472. | 8.8 | 506 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A brief history of T cell help to B cells. Nature Reviews Immunology, 2015, 15, 185-189. | 22.5 | 475 |
| 20 | Effectors and memories: Bcl-6 and Blimp-1 in T and B lymphocyte differentiation. Nature Immunology, 2010, 11, 114-120. | 13.9 | 458 |
| 21 | 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. PLoS ONE, 2011, 6, e17739. | 2.5 | 457 |
| 22 | Comprehensive analysis of TÂcell immunodominance and immunoprevalence of SARS-CoV-2 epitopes in COVID-19 cases. Cell Reports Medicine, 2021, 2, 100204. | 5.9 | 457 |
| 23 | STAT5 is a potent negative regulator of TFH cell differentiation. Journal of Experimental Medicine, 2012, 209, 243-250. | 8.8 | 435 |
| 24 | Tracking human antigen-specific memory B cells: a sensitive and generalized ELISPOT system. Journal of Immunological Methods, 2004, 286, 111-122. | 1.4 | 412 |
| 25 | SAP is required for generating long-term humoral immunity. Nature, 2003, 421, 282-287. | 36.2 | 388 |
| 26 | Profiling the humoral immune response to infection by using proteome microarrays: High-throughput vaccine and diagnostic antigen discovery. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 547-552. | 7.6 | 380 |
| 27 | Germinal Center T Follicular Helper Cell IL-4 Production Is Dependent on Signaling Lymphocytic Activation Molecule Receptor (CD150). Journal of Immunology, 2010, 185, 190-202. | 0.8 | 372 |
| 28 | Humoral and cellular immune memory to four COVID-19 vaccines. Cell, 2022, 185, 2434-2451.e17. | 27.8 | 354 |
| 29 | A Blueprint for HIV Vaccine Discovery. Cell Host and Microbe, 2012, 12, 396-407. | 11.0 | 353 |
| 30 | Immunogenicity of Stabilized HIV-1 Envelope Trimers with Reduced Exposure of Non-neutralizing Epitopes. Cell, 2015, 163, 1702-1715. | 27.8 | 352 |
| 31 | Inadequate T follicular cell help impairs B cell immunity during HIV infection. Nature Medicine, 2013, 19, 494-499. | 30.1 | 349 |
| 32 | Pre-existing immunity to SARS-CoV-2: the knowns and unknowns. Nature Reviews Immunology, 2020, 20, 457-458. | 22.5 | 346 |
| 33 | CXCL13 is a plasma biomarker of germinal center activity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2702-2707. | 7.6 | 333 |
| 34 | Slow Delivery Immunization Enhances HIV Neutralizing Antibody and Germinal Center Responses via Modulation of Immunodominance. Cell, 2019, 177, 1153-1171.e28. | 27.8 | 324 |
| 35 | Sustained antigen availability during germinal center initiation enhances antibody responses to vaccination. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6639-E6648. | 7.6 | 312 |
| 36 | Bcl6 and Maf Cooperate To Instruct Human Follicular Helper CD4 T Cell Differentiation. Journal of Immunology, 2012, 188, 3734-3744. | 0.8 | 308 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Elicitation of Robust Tier 2 Neutralizing Antibody Responses in Nonhuman Primates by HIV Envelope Trimer Immunization Using Optimized Approaches. Immunity, 2017, 46, 1073-1088.e6. | 14.2 | 297 |
| 38 | Integrative Annotation of 21,037 Human Genes Validated by Full-Length cDNA Clones. PLoS Biology, 2004, 2, e162. | 5.4 | 290 |
| 39 | LEF-1 and TCF-1 orchestrate TFH differentiation by regulating differentiation circuits upstream of the transcriptional repressor Bcl6. Nature Immunology, 2015, 16, 980-990. | 13.9 | 287 |
| 40 | Precursor Frequency and Affinity Determine B Cell Competitive Fitness in Germinal Centers, Tested with Germline-Targeting HIV Vaccine Immunogens. Immunity, 2018, 48, 133-146.e6. | 14.2 | 287 |
| 41 | Cutting Edge: STAT1 Is Required for IL-6â€“Mediated Bcl6 Induction for Early Follicular Helper Cell Differentiation. Journal of Immunology, 2013, 190, 3049-3053. | 0.8 | 283 |
| 42 | Dengue virus infection elicits highly polarized CX3CR1<sup>+</sup>cytotoxic CD4<sup>+</sup>T cells associated with protective immunity. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4256-63. | 7.6 | 273 |
| 43 | Comparative analysis of activation induced marker (AIM) assays for sensitive identification of antigen-specific CD4 T cells. PLoS ONE, 2017, 12, e0186998. | 2.5 | 258 |
| 44 | SARS-CoV-2 human TÂcell epitopes: Adaptive immune response against COVID-19. Cell Host and Microbe, 2021, 29, 1076-1092. | 11.0 | 258 |
| 45 | Low-dose mRNA-1273 COVID-19 vaccine generates durable memory enhanced by cross-reactive T cells. Science, 2021, 374, eabj9853. | 20.9 | 256 |
| 46 | Broadly Neutralizing Antibody Responses in a Large Longitudinal Sub-Saharan HIV Primary Infection Cohort. PLoS Pathogens, 2016, 12, e1005369. | 4.1 | 247 |
| 47 | In Vivo Regulation of Bcl6 and T Follicular Helper Cell Development. Journal of Immunology, 2010, 185, 313-326. | 0.8 | 246 |
| 48 | Cross-reactive memory T cells and herd immunity to SARS-CoV-2. Nature Reviews Immunology, 2020, 20, 709-713. | 22.5 | 239 |
| 49 | Physics with the KLOE-2 experiment at the upgraded DAÎ¦NE. European Physical Journal C, 2010, 68, 619-681. | 4.0 | 235 |
| 50 | Hybrid immunity. Science, 2021, 372, 1392-1393. | 20.9 | 235 |
| 51 | A Cytokine-Independent Approach To Identify Antigen-Specific Human Germinal Center T Follicular Helper Cells and Rare Antigen-Specific CD4+ T Cells in Blood. Journal of Immunology, 2016, 197, 983-993. | 0.8 | 229 |
| 52 | BCL6 orchestrates Tfh cell differentiation via multiple distinct mechanisms. Journal of Experimental Medicine, 2015, 212, 539-553. | 8.8 | 227 |
| 53 | Ribavirin's antiviral mechanism of action: lethal mutagenesis?. Journal of Molecular Medicine, 2002, 80, 86-95. | 4.0 | 214 |
| 54 | Effect of uterine leiomyomata on the results of in-vitro fertilization treatment. Human Reproduction, 1995, 10, 2576-2578. | 0.9 | 213 |

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|---|---|---|---|
| 55 | Bcl6 Expressing Follicular Helper CD4 T Cells Are Fate Committed Early and Have the Capacity To Form Memory. Journal of Immunology, 2013, 190, 4014-4026. | 0.8 | 211 |
| 56 | Epigenetic landscapes reveal transcription factors that regulate CD8+ T cell differentiation. Nature Immunology, 2017, 18, 573-582. | 13.9 | 205 |
| 57 | Immunity and immunological memory following smallpox vaccination. Immunological Reviews, 2006, 211, 320-337. | 6.1 | 204 |
| 58 | Immunological memory in humans. Seminars in Immunology, 2004, 16, 197-203. | 5.9 | 203 |
| 59 | Vaccinia Virus H3L Envelope Protein Is a Major Target of Neutralizing Antibodies in Humans and Elicits Protection against Lethal Challenge in Mice. Journal of Virology, 2005, 79, 11724-11733. | 3.5 | 195 |
| 60 | Engineered immunogen binding to alum adjuvant enhances humoral immunity. Nature Medicine, 2020, 26, 430-440. | 30.1 | 192 |
| 61 | A generalized HIV vaccine design strategy for priming of broadly neutralizing antibody responses. Science, 2019, 366, . | 20.9 | 188 |
| 62 | Porous ZnO/ZnCo<sub>2</sub>O<sub>4</sub>hollow spheres: synthesis, characterization, and applications in gas sensing. Journal of Materials Chemistry A, 2014, 2, 17683-17690. | 10.5 | 183 |
| 63 | Correlates of protection against <scp>SARS</scp>â€<scp>CoV</scp>â€2 infection and COVIDâ€19 disease. Immunological Reviews, 2022, 310, 6-26. | 6.1 | 177 |
| 64 | Tfh cells and <scp>HIV</scp> bnAbs, an immunodominance model of the <scp>HIV</scp> neutralizing antibody generation problem. Immunological Reviews, 2017, 275, 49-61. | 6.1 | 176 |
| 65 | A distinct subpopulation of CD25<sup>â^'</sup>T-follicular regulatory cells localizes in the germinal centers. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6400-E6409. | 7.6 | 175 |
| 66 | Selective CD4+ T Cell Help for Antibody Responses to a Large Viral Pathogen: Deterministic Linkage of Specificities. Immunity, 2008, 28, 847-858. | 14.2 | 170 |
| 67 | Association of Variants at UMOD with Chronic Kidney Disease and Kidney Stonesâ€”Role of Age and Comorbid Diseases. PLoS Genetics, 2010, 6, e1001039. | 3.4 | 169 |
| 68 | Immunological memory to <scp>SARSâ€CoV</scp>â€2 infection and <scp>COVID</scp>â€19 vaccines. Immunological Reviews, 2022, 310, 27-46. | 6.1 | 169 |
| 69 | Multifaceted Effects of Antigen Valency on B Cell Response Composition and Differentiation InÂVivo. Immunity, 2020, 53, 548-563.e8. | 14.2 | 160 |
| 70 | SARS-CoV-2 infection generates tissue-localized immunological memory in humans. Science Immunology, 2021, 6, eabl9105. | 13.1 | 160 |
| 71 | Direct Probing of Germinal Center Responses Reveals Immunological Features and Bottlenecks for Neutralizing Antibody Responses to HIV Env Trimer. Cell Reports, 2016, 17, 2195-2209. | 6.3 | 159 |
| 72 | Vaccine-Induced Protection from Homologous Tier 2 SHIV Challenge in Nonhuman Primates Depends on Serum-Neutralizing Antibody Titers. Immunity, 2019, 50, 241-252.e6. | 14.2 | 159 |

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|---|---|---|---|
| 73 | Murine Antibody Responses to Cleaved Soluble HIV-1 Envelope Trimers Are Highly Restricted in Specificity. Journal of Virology, 2015, 89, 10383-10398. | 3.5 | 157 |
| 74 | Structure-based design of native-like HIV-1 envelope trimers to silence non-neutralizing epitopes and eliminate CD4 binding. Nature Communications, 2017, 8, 1655. | 13.2 | 147 |
| 75 | SAP regulates T cellâ€“mediated help for humoral immunity by a mechanism distinct from cytokine regulation. Journal of Experimental Medicine, 2006, 203, 1551-1565. | 8.8 | 142 |
| 76 | Activin A programs the differentiation of human TFH cells. Nature Immunology, 2016, 17, 976-984. | 13.9 | 142 |
| 77 | Apolipoprotein AI prevents regulatory to follicular helper T cell switching during atherosclerosis. Nature Communications, 2018, 9, 1095. | 13.2 | 142 |
| 78 | The Receptor Ly108 Functions as a SAP Adaptor-Dependent On-Off Switch for T Cell Help to B Cells and NKT Cell Development. Immunity, 2012, 36, 986-1002. | 14.2 | 139 |
| 79 | Proteome-wide analysis of the serological response to vaccinia and smallpox. Proteomics, 2007, 7, 1678-1686. | 3.0 | 138 |
| 80 | The Transcription Factor Runx3 Establishes Chromatin Accessibility of cis-Regulatory Landscapes that Drive Memory Cytotoxic T Lymphocyte Formation. Immunity, 2018, 48, 659-674.e6. | 14.2 | 135 |
| 81 | Cytokine-Independent Detection of Antigen-Specific Germinal Center T Follicular Helper Cells in Immunized Nonhuman Primates Using a Live Cell Activation-Induced Marker Technique. Journal of Immunology, 2016, 197, 994-1002. | 0.8 | 132 |
| 82 | Monkeypox-Induced Immunity and Failure of Childhood Smallpox Vaccination To Provide Complete Protection. Vaccine Journal, 2007, 14, 1318-1327. | 3.3 | 131 |
| 83 | Cytotoxic T-cell immunity to virus-infected non-haematopoietic cells requires presentation of exogenous antigen. Nature, 1999, 402, 25-29. | 36.2 | 122 |
| 84 | Immune Responses toBacillus anthracisProtective Antigen in Patients with Bioterrorismâ€Related Cutaneous or Inhalation Anthrax. Journal of Infectious Diseases, 2004, 190, 1228-1236. | 3.9 | 122 |
| 85 | The human naive B cell repertoire contains distinct subclasses for a germline-targeting HIV-1 vaccine immunogen. Science Translational Medicine, 2018, 10, . | 13.4 | 120 |
| 86 | Poliovirus RNA-dependent RNA Polymerase (3Dpol). Journal of Biological Chemistry, 2000, 275, 25523-25532. | 3.5 | 114 |
| 87 | Epitopes for neutralizing antibodies induced by HIV-1 envelope glycoprotein BG505 SOSIP trimers in rabbits and macaques. PLoS Pathogens, 2018, 14, e1006913. | 4.1 | 114 |
| 88 | Th1/Th17 polarization persists following whole-cell pertussis vaccination despite repeated acellular boosters. Journal of Clinical Investigation, 2018, 128, 3853-3865. | 8.2 | 114 |
| 89 | The transcription factor Foxp1 is a critical negative regulator of the differentiation of follicular helper T cells. Nature Immunology, 2014, 15, 667-675. | 13.9 | 110 |
| 90 | Quantitative PCR technique for detecting lymphocytic choriomeningitis virus in vivo. Journal of Virological Methods, 2008, 147, 167-176. | 2.1 | 109 |

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|---|---|---|---|
| 91 | Protection against Simian Immunodeficiency Virus Vaginal Challenge by Using Sabin Poliovirus Vectors. Journal of Virology, 2001, 75, 7435-7452. | 3.5 | 105 |
| 92 | Bcl6-Mediated Transcriptional Regulation of Follicular Helper T cells (TFH). Trends in Immunology, 2021, 42, 336-349. | 6.8 | 105 |
| 93 | The E3 ubiquitin ligase Itch is required for the differentiation of follicular helper T cells. Nature Immunology, 2014, 15, 657-666. | 13.9 | 104 |
| 94 | Harnessing CD4+ T cell responses in HIV vaccine development. Nature Medicine, 2013, 19, 143-149. | 30.1 | 102 |
| 95 | InÂVivo RNA Interference Screens Identify Regulators of Antiviral CD4+ and CD8+ T Cell Differentiation. Immunity, 2014, 41, 325-338. | 14.2 | 101 |
| 96 | 3M-052, a synthetic TLR-7/8 agonist, induces durable HIV-1 envelopeâ€“specific plasma cells and humoral immunity in nonhuman primates. Science Immunology, 2020, 5, . | 13.1 | 101 |
| 97 | Germinal center enhancement by extended antigen availability. Current Opinion in Immunology, 2017, 47, 64-69. | 5.2 | 99 |
| 98 | Vaccinia Virus-Specific CD4+ T Cell Responses Target a Set of Antigens Largely Distinct from Those Targeted by CD8+ T Cell Responses. Journal of Immunology, 2007, 178, 6814-6820. | 0.8 | 98 |
| 99 | Recurrent group A Streptococcus tonsillitis is an immunosusceptibility disease involving antibody deficiency and aberrant T <sub>FH</sub> cells. Science Translational Medicine, 2019, 11, . | 13.4 | 96 |
| 100 | Id2 reinforces TH1 differentiation and inhibits E2A to repress TFH differentiation. Nature Immunology, 2016, 17, 834-843. | 13.9 | 95 |
| 101 | Redundancy and Plasticity of Neutralizing Antibody Responses Are Cornerstone Attributes of the Human Immune Response to the Smallpox Vaccine. Journal of Virology, 2008, 82, 3751-3768. | 3.5 | 94 |
| 102 | Bcl-6 is the nexus transcription factor of T follicular helper cells via repressor-of-repressor circuits. Nature Immunology, 2020, 21, 777-789. | 13.9 | 94 |
| 103 | SAP Regulation of Follicular Helper CD4 T Cell Development and Humoral Immunity Is Independent of SLAM and Fyn Kinase. Journal of Immunology, 2007, 178, 817-828. | 0.8 | 93 |
| 104 | Vaccinia Virus Extracellular Enveloped Virion Neutralization In Vitro and Protection In Vivo Depend on Complement. Journal of Virology, 2009, 83, 1201-1215. | 3.5 | 93 |
| 105 | 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. Clinical Infectious Diseases, 2022, 74, 479-489. | 5.7 | 93 |
| 106 | Ly9 (CD229)-Deficient Mice Exhibit T Cell Defects yet Do Not Share Several Phenotypic Characteristics Associated with SLAM- and SAP-Deficient Mice. Journal of Immunology, 2006, 176, 291-300. | 0.8 | 91 |
| 107 | Dynamic regulation of Bcl6 in follicular helper CD4 T (Tfh) cells. Current Opinion in Immunology, 2013, 25, 366-372. | 5.2 | 90 |
| 108 | Long-primed germinal centres with enduring affinity maturation and clonal migration. Nature, 2022, 609, 998-1004. | 36.2 | 90 |

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| 109 | Th1 versus Th2 T cell polarization by whole-cell and acellular childhood pertussis vaccines persists upon re-immunization in adolescence and adulthood. Cellular Immunology, 2016, 304-305, 35-43. | 3.0 | 87 |
| 110 | NKT cells prevent chronic joint inflammation after infection withBorrelia burgdorferi. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19863-19868. | 7.6 | 86 |
| 111 | Implications of high RNA virus mutation rates: lethal mutagenesis and the antiviral drug ribavirin. Microbes and Infection, 2002, 4, 1301-1307. | 2.0 | 81 |
| 112 | A particulate saponin/TLR agonist vaccine adjuvant alters lymph flow and modulates adaptive immunity. Science Immunology, 2021, 6, eabf1152. | 13.1 | 78 |
| 113 | Reversible Reprogramming of Circulating Memory T Follicular Helper Cell Function during Chronic HIV Infection. Journal of Immunology, 2015, 195, 5625-5636. | 0.8 | 75 |
| 114 | Adjuvanting a Simian Immunodeficiency Virus Vaccine with Toll-Like Receptor Ligands Encapsulated in Nanoparticles Induces Persistent Antibody Responses and Enhanced Protection in TRIM5Î± Restrictive Macaques. Journal of Virology, 2017, 91, . | 3.5 | 75 |
| 115 | Inhibition of NK cell activity by IL-17 allows vaccinia virus to induce severe skin lesions in a mouse model of eczema vaccinatum. Journal of Experimental Medicine, 2009, 206, 1219-1225. | 8.8 | 74 |
| 116 | Mucosal Immunization of Cynomolgus Macaques with Two Serotypes of Live Poliovirus Vectors Expressing Simian Immunodeficiency Virus Antigens: Stimulation of Humoral, Mucosal, and Cellular Immunity. Journal of Virology, 1999, 73, 9485-9495. | 3.5 | 73 |
| 117 | Multidisease testing for HIV and TB using the GeneXpert platform: A feasibility study in rural Zimbabwe. PLoS ONE, 2018, 13, e0193577. | 2.5 | 72 |
| 118 | Molecular lesions in colorectal cancer: impact on prognosis?. International Journal of Colorectal Disease, 2004, 19, 23-42. | 2.3 | 71 |
| 119 | OX40 Drives Protective Vaccinia Virus-Specific CD8 T Cells. Journal of Immunology, 2008, 181, 7969-7976. | 0.8 | 71 |
| 120 | A TRAF-like motif of the inducible costimulator ICOS controls development of germinal center TFH cells via the kinase TBK1. Nature Immunology, 2016, 17, 825-833. | 13.9 | 71 |
| 121 | Poliovirus pathogenesis in a new poliovirus receptor transgenic mouse model: age-dependent paralysis and a mucosal route of infection. Journal of General Virology, 2002, 83, 1707-1720. | 2.9 | 70 |
| 122 | Uncovering the Interplay Between CD8, CD4 and Antibody Responses to Complex Pathogens. Future Microbiology, 2010, 5, 221-239. | 2.0 | 69 |
| 123 | B Cell-Specific Expression of B7-2 Is Required for Follicular Th Cell Function in Response to Vaccinia Virus. Journal of Immunology, 2011, 186, 5294-5303. | 0.8 | 68 |
| 124 | T cells control the generation of nanomolar-affinity anti-glycan antibodies. Journal of Clinical Investigation, 2017, 127, 1491-1504. | 8.2 | 68 |
| 125 | Factors in B cell competition and immunodominance. Immunological Reviews, 2020, 296, 120-131. | 6.1 | 67 |
| 126 | Differential T-Cell Reactivity to Endemic Coronaviruses and SARS-CoV-2 in Community and Health Care Workers. Journal of Infectious Diseases, 2021, 224, 70-80. | 3.9 | 67 |

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|---|---|---|---|
| 127 | Cutting Edge: NFAT Transcription Factors Promote the Generation of Follicular Helper T Cells in Response to Acute Viral Infection. Journal of Immunology, 2016, 196, 2015-2019. | 0.8 | 66 |
| 128 | Using a Combined Computational-Experimental Approach to Predict Antibody-Specific B Cell Epitopes. Structure, 2014, 22, 646-657. | 3.4 | 63 |
| 129 | Definition of Human Epitopes Recognized in Tetanus Toxoid and Development of an Assay Strategy to Detect Ex Vivo Tetanus CD4+ T Cell Responses. PLoS ONE, 2017, 12, e0169086. | 2.5 | 63 |
| 130 | BALDR: a computational pipeline for paired heavy and light chain immunoglobulin reconstruction in single-cell RNA-seq data. Genome Medicine, 2018, 10, 20. | 8.5 | 63 |
| 131 | Probing the Effects of Strong Electromagnetic Fields with Charge-Dependent Directed Flow in Pb-Pb Collisions at the LHC. Physical Review Letters, 2020, 125, 022301. | 8.0 | 60 |
| 132 | Association ofKCNJ11andABCC8genetic polymorphisms with response to repaglinide in Chinese diabetic patients<sup>1</sup>. Acta Pharmacologica Sinica, 2008, 29, 983-989. | 6.1 | 59 |
| 133 | OX40 Facilitates Control of a Persistent Virus Infection. PLoS Pathogens, 2012, 8, e1002913. | 4.1 | 58 |
| 134 | Dances with cytokines, featuring TFH cells, IL-21, IL-4 and B cells. Nature Immunology, 2016, 17, 1135-1136. | 13.9 | 58 |
| 135 | Differential cell-intrinsic regulations of germinal center B and T cells by miR-146a and miR-146b. Nature Communications, 2018, 9, 2757. | 13.2 | 58 |
| 136 | When designing vaccines, consider the starting material: the human B cell repertoire. Current Opinion in Immunology, 2018, 53, 209-216. | 5.2 | 56 |
| 137 | Ezh2 programs TFH differentiation by integrating phosphorylation-dependent activation of Bcl6 and polycomb-dependent repression of p19Arf. Nature Communications, 2018, 9, 5452. | 13.2 | 55 |
| 138 | Heavily Isotype-Dependent Protective Activities of Human Antibodies against Vaccinia Virus Extracellular Virion Antigen B5. Journal of Virology, 2009, 83, 12355-12367. | 3.5 | 53 |
| 139 | The Poliovirus Replication Machinery Can Escape Inhibition by an Antiviral Drug That Targets a Host Cell Protein. Journal of Virology, 2004, 78, 3378-3386. | 3.5 | 52 |
| 140 | Rapid Germinal Center and Antibody Responses in Non-human Primates after a Single Nanoparticle Vaccine Immunization. Cell Reports, 2019, 29, 1756-1766.e8. | 6.3 | 52 |
| 141 | Combination therapy of vaccinia virus infection with human anti-H3 and anti-B5 monoclonal antibodies in a small animal model. Antiviral Therapy, 2010, 15, 661-675. | 1.0 | 51 |
| 142 | Do Memory CD4 T Cells Keep Their Cell-Type Programming: Plasticity versus Fate Commitment?. Cold Spring Harbor Perspectives in Biology, 2018, 10, a032102. | 5.4 | 51 |
| 143 | B cells expressing authentic naive human VRC01-class BCRs can be recruited to germinal centers and affinity mature in multiple independent mouse models. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22920-22931. | 7.6 | 48 |
| 144 | Allergen-specific immunotherapy modulates the balance of circulating Tfh and Tfr cells. Journal of Allergy and Clinical Immunology, 2018, 141, 775-777.e6. | 2.9 | 47 |

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|---|---|---|---|
| 145 | Vaccine genetics of IGHV1-2 VRC01-class broadly neutralizing antibody precursor naÃ¯ve human B cells. Npj Vaccines, 2021, 6, 113. | 6.0 | 47 |
| 146 | Hypogammaglobulinemia and exacerbated CD8 T-cellâ€“mediated immunopathology in SAP-deficient mice with chronic LCMV infection mimics human XLP disease. Blood, 2006, 108, 3085-3093. | 1.4 | 46 |
| 147 | Targeting HIV Env immunogens to B cell follicles in nonhuman primates through immune complex or protein nanoparticle formulations. Npj Vaccines, 2020, 5, 72. | 6.0 | 46 |
| 148 | Modulation of SAP dependent T:B cell interactions as a strategy to improve vaccination. Current Opinion in Virology, 2013, 3, 363-370. | 5.6 | 45 |
| 149 | Teacher's role and reproducibility of didactical situations. Educational Studies in Mathematics, 1992, 23, 5-29. | 3.1 | 44 |
| 150 | Potent Neutralization of Vaccinia Virus by Divergent Murine Antibodies Targeting a Common Site of Vulnerability in L1 Protein. Journal of Virology, 2014, 88, 11339-11355. | 3.5 | 44 |
| 151 | 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. Vaccine, 2009, 27, G21-G26. | 4.0 | 43 |
| 152 | Polyclonal antibody responses to HIV Env immunogens resolved using cryoEM. Nature Communications, 2021, 12, 4817. | 13.2 | 43 |
| 153 | Cariogenic Streptococcus mutans Produces Tetramic Acid Strain-Specific Antibiotics That Impair Commensal Colonization. ACS Infectious Diseases, 2020, 6, 563-571. | 4.0 | 41 |
| 154 | Carbon isotopes and lipid biomarkers from organicâ€rich facies of the Shuram Formation, Sultanate of Oman. Geobiology, 2013, 11, 406-419. | 2.6 | 40 |
| 155 | AI-guided discovery of the invariant host response to viral pandemics. EBioMedicine, 2021, 68, 103390. | 6.0 | 40 |
| 156 | Poliovirus vaccine strains as mucosal vaccine vectors and their potential use to develop an AIDS vaccine. Advanced Drug Delivery Reviews, 2004, 56, 835-852. | 14.3 | 38 |
| 157 | HIV vaccinology: 2021 update. Seminars in Immunology, 2021, 51, 101470. | 5.9 | 38 |
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