

# Colin Havenar-Daughton

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

10,831  
citations

117453

34  
h-index

243296

44  
g-index

56  
all docs

56  
docs citations

56  
times ranked

14633  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cross-neutralization of SARS-CoV-2 by a human monoclonal SARS-CoV antibody. <i>Nature</i> , 2020, 583, 290-295.	13.7	1,695
2	Mapping Neutralizing and Immunodominant Sites on the SARS-CoV-2 Spike Receptor-Binding Domain by Structure-Guided High-Resolution Serology. <i>Cell</i> , 2020, 183, 1024-1042.e21.	13.5	1,195
3	Broadly neutralizing antibodies overcome SARS-CoV-2 Omicron antigenic shift. <i>Nature</i> , 2022, 602, 664-670.	13.7	917
4	Human Circulating PD-1+CXCR3 <sup>hi</sup> CXCR5+ Memory Tfh Cells Are Highly Functional and Correlate with Broadly Neutralizing HIV Antibody Responses. <i>Immunity</i> , 2013, 39, 758-769.	6.6	790
5	Ultrapotent human antibodies protect against SARS-CoV-2 challenge via multiple mechanisms. <i>Science</i> , 2020, 370, 950-957.	6.0	504
6	A perspective on potential antibody-dependent enhancement of SARS-CoV-2. <i>Nature</i> , 2020, 584, 353-363.	13.7	413
7	SARS-CoV-2 RBD antibodies that maximize breadth and resistance to escape. <i>Nature</i> , 2021, 597, 97-102.	13.7	385
8	HIV-1 broadly neutralizing antibody precursor B cells revealed by germline-targeting immunogen. <i>Science</i> , 2016, 351, 1458-1463.	6.0	382
9	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.	3.3	322
10	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.	6.6	286
11	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.	6.6	274
12	Broad betacoronavirus neutralization by a stem helix-specific human antibody. <i>Science</i> , 2021, 373, 1109-1116.	6.0	262
13	Broadly Neutralizing Antibody Responses in a Large Longitudinal Sub-Saharan HIV Primary Infection Cohort. <i>PLoS Pathogens</i> , 2016, 12, e1005369.	2.1	241
14	Comparative analysis of activation induced marker (AIM) assays for sensitive identification of antigen-specific CD4 T cells. <i>PLoS ONE</i> , 2017, 12, e0186998.	1.1	240
15	Broad sarbecovirus neutralization by a human monoclonal antibody. <i>Nature</i> , 2021, 597, 103-108.	13.7	220
16	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.	0.4	215
17	A generalized HIV vaccine design strategy for priming of broadly neutralizing antibody responses. <i>Science</i> , 2019, 366, .	6.0	172
18	Tfh cells and HIV bnAbs, an immunodominance model of the HIV neutralizing antibody generation problem. <i>Immunological Reviews</i> , 2017, 275, 49-61.	2.8	167

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19	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.	6.6	153
20	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.	2.9	150
21	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.	5.8	142
22	Cutting Edge: Crucial Role of IL-1 and IL-23 in the Innate IL-17 Response of Peripheral Lymph Node NK1.1 <sup>+</sup> Invariant NKT Cells to Bacteria. <i>Journal of Immunology</i> , 2011, 186, 662-666.	0.4	137
23	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.	0.4	130
24	Moving to Human Immunodeficiency Virus Type 1 Vaccine Efficacy Trials: Defining T Cell Responses As Potential Correlates of Immunity. <i>Journal of Infectious Diseases</i> , 2003, 187, 226-242.	1.9	118
25	The human naive B cell repertoire contains distinct subclasses for a germline-targeting HIV-1 vaccine immunogen. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	113
26	Broadly neutralizing antibodies overcome SARS-CoV-2 Omicron antigenic shift. <i>Nature</i> , 0, , .	13.7	101
27	Recurrent group A <i>Streptococcus</i> tonsillitis is an immunosusceptibility disease involving antibody deficiency and aberrant T <sub>FH</sub> cells. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	90
28	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, .	5.6	90
29	Adjuvanting a Simian Immunodeficiency Virus Vaccine with Toll-Like Receptor Ligands Encapsulated in Nanoparticles Induces Persistent Antibody Responses and Enhanced Protection in TRIM5 $\alpha$ Restrictive Macaques. <i>Journal of Virology</i> , 2017, 91, .	1.5	70
30	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.	3.6	60
31	When designing vaccines, consider the starting material: the human B cell repertoire. <i>Current Opinion in Immunology</i> , 2018, 53, 209-216.	2.4	52
32	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.	2.9	47
33	Modulation of SAP dependent T:B cell interactions as a strategy to improve vaccination. <i>Current Opinion in Virology</i> , 2013, 3, 363-370.	2.6	44
34	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.	3.3	42
35	Vaccine genetics of IGHV1-2 VRC01-class broadly neutralizing antibody precursor na $\ddot{u}$ ve human B cells. <i>Npj Vaccines</i> , 2021, 6, 113.	2.9	40
36	Correlation between Interferon $\gamma$ Secretion and Cytotoxicity, in Virus-Specific Memory T Cells. <i>Journal of Infectious Diseases</i> , 2004, 190, 1692-1696.	1.9	37

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37	Development and function of murine ROR $\gamma^3$ t+ iNKT cells are under TGF- $\beta^2$ signaling control. <i>Blood</i> , 2012, 119, 3486-3494.	0.6	36
38	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.	0.4	35
39	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.	0.6	32
40	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.	2.2	28
41	Induction of Human Immunodeficiency Virus Type 1 (HIV-1)-Specific T-Cell Responses in HIV Vaccine Trial Participants Who Subsequently Acquire HIV-1 Infection. <i>Journal of Virology</i> , 2006, 80, 9779-9788.	1.5	18
42	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.	2.1	18
43	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.	0.4	16
44	A rapid strategy to detect the recombined allele in LSL $\alpha$ RI <sup>CA</sup> transgenic mice. <i>Genesis</i> , 2010, 48, 559-562.	0.8	12
45	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.	1.7	11
46	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