

# Bryan Briney

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2172070/publications.pdf>

Version: 2024-02-01

30  
papers

5,490  
citations

249298

26  
h-index

511568

30  
g-index

34  
all docs

34  
docs citations

34  
times ranked

8546  
citing authors

#	ARTICLE	IF	CITATIONS
1	Benchmarking immunoinformatic tools for the analysis of antibody repertoire sequences. <i>Bioinformatics</i> , 2020, 36, 1731-1739.	1.8	39
2	Mapping Neutralizing Antibody Epitope Specificities to an HIV Env Trimer in Immunized and in Infected Rhesus Macaques. <i>Cell Reports</i> , 2020, 32, 108122.	2.9	28
3	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
4	Isolation of potent SARS-CoV-2 neutralizing antibodies and protection from disease in a small animal model. <i>Science</i> , 2020, 369, 956-963.	6.0	1,287
5	Comparisons of the antibody repertoires of a humanized rodent and humans by high throughput sequencing. <i>Scientific Reports</i> , 2020, 10, 1120.	1.6	14
6	Rapid and Focused Maturation of a VRC01-Class HIV Broadly Neutralizing Antibody Lineage Involves Both Binding and Accommodation of the N276-Glycan. <i>Immunity</i> , 2019, 51, 141-154.e6.	6.6	71
7	A generalized HIV vaccine design strategy for priming of broadly neutralizing antibody responses. <i>Science</i> , 2019, 366, .	6.0	172
8	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
9	Advancing computational biology and bioinformatics research through open innovation competitions. <i>PLoS ONE</i> , 2019, 14, e0222165.	1.1	6
10	Commonality despite exceptional diversity in the baseline human antibody repertoire. <i>Nature</i> , 2019, 566, 393-397.	13.7	419
11	Reprogramming the antigen specificity of B cells using genome-editing technologies. <i>ELife</i> , 2019, 8, .	2.8	69
12	Neutralizing human monoclonal antibodies prevent Zika virus infection in macaques. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	89
13	Glycans Function as Anchors for Antibodies and Help Drive HIV Broadly Neutralizing Antibody Development. <i>Immunity</i> , 2017, 47, 524-537.e3.	6.6	48
14	Zika virus activates de novo and cross-reactive memory B cell responses in dengue-experienced donors. <i>Science Immunology</i> , 2017, 2, .	5.6	98
15	HIV Envelope Glycoform Heterogeneity and Localized Diversity Govern the Initiation and Maturation of a V2 Apex Broadly Neutralizing Antibody Lineage. <i>Immunity</i> , 2017, 47, 990-1003.e9.	6.6	90
16	Minimally Mutated HIV-1 Broadly Neutralizing Antibodies to Guide Reductionist Vaccine Design. <i>PLoS Pathogens</i> , 2016, 12, e1005815.	2.1	104
17	Clonify: unseeded antibody lineage assignment from next-generation sequencing data. <i>Scientific Reports</i> , 2016, 6, 23901.	1.6	48
18	Early Antibody Lineage Diversification and Independent Limb Maturation Lead to Broad HIV-1 Neutralization Targeting the Env High-Mannose Patch. <i>Immunity</i> , 2016, 44, 1215-1226.	6.6	138

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19	Priming HIV-1 broadly neutralizing antibody precursors in human Ig loci transgenic mice. <i>Science</i> , 2016, 353, 1557-1560.	6.0	147
20	Tailored Immunogens Direct Affinity Maturation toward HIV Neutralizing Antibodies. <i>Cell</i> , 2016, 166, 1459-1470.e11.	13.5	230
21	HIV Vaccine Design to Target Germline Precursors of Glycan-Dependent Broadly Neutralizing Antibodies. <i>Immunity</i> , 2016, 45, 483-496.	6.6	335
22	Holes in the Glycan Shield of the Native HIV Envelope Are a Target of Trimer-Elicited Neutralizing Antibodies. <i>Cell Reports</i> , 2016, 16, 2327-2338.	2.9	216
23	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
24	A Prominent Site of Antibody Vulnerability on HIV Envelope Incorporates a Motif Associated with CCR5 Binding and Its Camouflaging Glycans. <i>Immunity</i> , 2016, 45, 31-45.	6.6	129
25	HIV-1 broadly neutralizing antibody precursor B cells revealed by germline-targeting immunogen. <i>Science</i> , 2016, 351, 1458-1463.	6.0	382
26	Haplotype-Phased Synthetic Long Reads from Short-Read Sequencing. <i>PLoS ONE</i> , 2016, 11, e0147229.	1.1	29
27	Priming a broadly neutralizing antibody response to HIV-1 using a germline-targeting immunogen. <i>Science</i> , 2015, 349, 156-161.	6.0	358
28	Identification of Common Features in Prototype Broadly Neutralizing Antibodies to HIV Envelope V2 Apex to Facilitate Vaccine Design. <i>Immunity</i> , 2015, 43, 959-973.	6.6	177
29	Promiscuous Glycan Site Recognition by Antibodies to the High-Mannose Patch of gp120 Broadens Neutralization of HIV. <i>Science Translational Medicine</i> , 2014, 6, 236ra63.	5.8	160
30	Recombinant HIV envelope trimer selects for quaternary-dependent antibodies targeting the trimer apex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17624-17629.	3.3	324