

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

218677

26
h-index

454955

30
g-index

34
all docs

34
docs citations

34
times ranked

7931
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Benchmarking immunoinformatic tools for the analysis of antibody repertoire sequences. <i>Bioinformatics</i> , 2020, 36, 1731-1739. | 4.1 | 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. | 6.4 | 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. | 4.8 | 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. | 12.6 | 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. | 3.3 | 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. | 14.3 | 71 |
| 7 | A generalized HIV vaccine design strategy for priming of broadly neutralizing antibody responses. <i>Science</i> , 2019, 366, . | 12.6 | 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. | 6.4 | 47 |
| 9 | Advancing computational biology and bioinformatics research through open innovation competitions. <i>PLoS ONE</i> , 2019, 14, e0222165. | 2.5 | 6 |
| 10 | Commonality despite exceptional diversity in the baseline human antibody repertoire. <i>Nature</i> , 2019, 566, 393-397. | 27.8 | 419 |
| 11 | Reprogramming the antigen specificity of B cells using genome-editing technologies. <i>ELife</i> , 2019, 8, . | 6.0 | 69 |
| 12 | Neutralizing human monoclonal antibodies prevent Zika virus infection in macaques. <i>Science Translational Medicine</i> , 2017, 9, . | 12.4 | 89 |
| 13 | Glycans Function as Anchors for Antibodies and Help Drive HIV Broadly Neutralizing Antibody Development. <i>Immunity</i> , 2017, 47, 524-537.e3. | 14.3 | 48 |
| 14 | Zika virus activates de novo and cross-reactive memory B cell responses in dengue-experienced donors. <i>Science Immunology</i> , 2017, 2, . | 11.9 | 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. | 14.3 | 90 |
| 16 | Minimally Mutated HIV-1 Broadly Neutralizing Antibodies to Guide Reductionist Vaccine Design. <i>PLoS Pathogens</i> , 2016, 12, e1005815. | 4.7 | 104 |
| 17 | Clonify: unseeded antibody lineage assignment from next-generation sequencing data. <i>Scientific Reports</i> , 2016, 6, 23901. | 3.3 | 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. | 14.3 | 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. | 12.6 | 147 |
| 20 | Tailored Immunogens Direct Affinity Maturation toward HIV Neutralizing Antibodies. <i>Cell</i> , 2016, 166, 1459-1470.e11. | 28.9 | 230 |
| 21 | HIV Vaccine Design to Target Germline Precursors of Glycan-Dependent Broadly Neutralizing Antibodies. <i>Immunity</i> , 2016, 45, 483-496. | 14.3 | 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. | 6.4 | 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. | 6.4 | 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. | 14.3 | 129 |
| 25 | HIV-1 broadly neutralizing antibody precursor B cells revealed by germline-targeting immunogen. <i>Science</i> , 2016, 351, 1458-1463. | 12.6 | 382 |
| 26 | Haplotype-Phased Synthetic Long Reads from Short-Read Sequencing. <i>PLoS ONE</i> , 2016, 11, e0147229. | 2.5 | 29 |
| 27 | Priming a broadly neutralizing antibody response to HIV-1 using a germline-targeting immunogen. <i>Science</i> , 2015, 349, 156-161. | 12.6 | 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. | 14.3 | 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. | 12.4 | 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. | 7.1 | 324 |