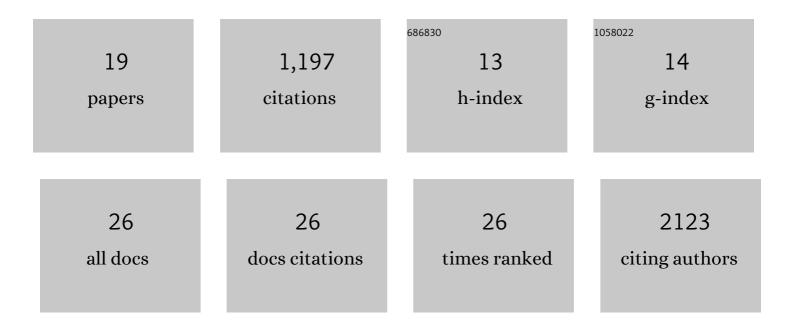
Zachary T Berndsen

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9351275/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Vulnerabilities in coronavirus glycan shields despite extensive glycosylation. Nature Communications, 2020, 11, 2688.	5.8	304
2	Rapid elicitation of broadly neutralizing antibodies to HIV by immunization in cows. Nature, 2017, 548, 108-111.	13.7	154
3	Enhancing and shaping the immunogenicity of native-like HIV-1 envelope trimers with a two-component protein nanoparticle. Nature Communications, 2019, 10, 4272.	5.8	149
4	Differential processing of HIV envelope glycans on the virus and soluble recombinant trimer. Nature Communications, 2018, 9, 3693.	5.8	124
5	HIV Envelope Glycoform Heterogeneity and Localized Diversity Govern the Initiation and Maturation of a V2 Apex Broadly Neutralizing Antibody Lineage. Immunity, 2017, 47, 990-1003.e9.	6.6	90
6	HIV-1 Envelope and MPER Antibody Structures in Lipid Assemblies. Cell Reports, 2020, 31, 107583.	2.9	60
7	Visualization of the HIV-1 Env glycan shield across scales. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28014-28025.	3.3	57
8	Co-evolution of HIV Envelope and Apex-Targeting Neutralizing Antibody Lineage Provides Benchmarks for Vaccine Design. Cell Reports, 2018, 23, 3249-3261.	2.9	52
9	Structural and functional evaluation of de novo-designed, two-component nanoparticle carriers for HIV Env trimer immunogens. PLoS Pathogens, 2020, 16, e1008665.	2.1	52
10	Polyclonal antibody responses to HIV Env immunogens resolved using cryoEM. Nature Communications, 2021, 12, 4817.	5.8	35
11	Structural basis of broad HIV neutralization by a vaccine-induced cow antibody. Science Advances, 2020, 6, eaba0468.	4.7	31
12	EMHP: an accurate automated hole masking algorithm for single-particle cryo-EM image processing. Bioinformatics, 2017, 33, 3824-3826.	1.8	27
13	Differences in the Binding Affinity of an HIV-1 V2 Apex-Specific Antibody for the SIV _{smm/mac} Envelope Glycoprotein Uncouple Antibody-Dependent Cellular Cytotoxicity from Neutralization. MBio, 2019, 10, .	1.8	18
14	Quantification of the Resilience and Vulnerability of HIV-1 Native Glycan Shield at Atomistic Detail. IScience, 2020, 23, 101836.	1.9	11
15	Quantification of the Resilience and Vulnerability of HIV-1 Native Glycan Shield at Atomistic Detail. SSRN Electronic Journal, 0, , .	0.4	4
16	Title is missing!. , 2020, 16, e1008665.		0
17	Title is missing!. , 2020, 16, e1008665.		0
18	Title is missing!. , 2020, 16, e1008665.		0

#	Article	IF	CITATIONS
19	Title is missing!. , 2020, 16, e1008665.		0