Zachary T Berndsen

List of Publications by Year
in descending order

19	1,197	686830 13	1058022 14
papers	citations	h-index	g-index

26	26	26	2123
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polyclonal antibody responses to HIV Env immunogens resolved using cryoEM. Nature Communications, 2021, 12, 4817.	5.8	35
2	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
3	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
4	Quantification of the Resilience and Vulnerability of HIV-1 Native Glycan Shield at Atomistic Detail. IScience, 2020, 23, 101836.	1.9	11
5	HIV-1 Envelope and MPER Antibody Structures in Lipid Assemblies. Cell Reports, 2020, 31, 107583.	2.9	60
6	Vulnerabilities in coronavirus glycan shields despite extensive glycosylation. Nature Communications, 2020, 11, 2688.	5.8	304
7	Structural basis of broad HIV neutralization by a vaccine-induced cow antibody. Science Advances, 2020, 6, eaba0468.	4.7	31
8	Title is missing!. , 2020, 16, e1008665.		0
9	Title is missing!. , 2020, 16, e1008665.		0
10	Title is missing!. , 2020, 16, e1008665.		0
11	Title is missing!. , 2020, 16, e1008665.		0
12	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
13	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
14	Differential processing of HIV envelope glycans on the virus and soluble recombinant trimer. Nature Communications, 2018, 9, 3693.	5.8	124
15	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
16	Rapid elicitation of broadly neutralizing antibodies to HIV by immunization in cows. Nature, 2017, 548, 108-111.	13.7	154
17	EMHP: an accurate automated hole masking algorithm for single-particle cryo-EM image processing. Bioinformatics, 2017, 33, 3824-3826.	1.8	27
18	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

#	Article	IF	Citations
19	Quantification of the Resilience and Vulnerability of HIV-1 Native Glycan Shield at Atomistic Detail. SSRN Electronic Journal, 0, , .	0.4	4