

# Zachary T Berndsen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9351275/publications.pdf>

Version: 2024-02-01

19  
papers

1,197  
citations

686830

13  
h-index

1058022

14  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2123  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vulnerabilities in coronavirus glycan shields despite extensive glycosylation. <i>Nature Communications</i> , 2020, 11, 2688.	5.8	304
2	Rapid elicitation of broadly neutralizing antibodies to HIV by immunization in cows. <i>Nature</i> , 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. <i>Nature Communications</i> , 2019, 10, 4272.	5.8	149
4	Differential processing of HIV envelope glycans on the virus and soluble recombinant trimer. <i>Nature Communications</i> , 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. <i>Immunity</i> , 2017, 47, 990-1003.e9.	6.6	90
6	HIV-1 Envelope and MPER Antibody Structures in Lipid Assemblies. <i>Cell Reports</i> , 2020, 31, 107583.	2.9	60
7	Visualization of the HIV-1 Env glycan shield across scales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28014-28025.	3.3	57
8	Co-evolution of HIV Envelope and Apex-Targeting Neutralizing Antibody Lineage Provides Benchmarks for Vaccine Design. <i>Cell Reports</i> , 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. <i>PLoS Pathogens</i> , 2020, 16, e1008665.	2.1	52
10	Polyclonal antibody responses to HIV Env immunogens resolved using cryoEM. <i>Nature Communications</i> , 2021, 12, 4817.	5.8	35
11	Structural basis of broad HIV neutralization by a vaccine-induced cow antibody. <i>Science Advances</i> , 2020, 6, eaba0468.	4.7	31
12	EMHP: an accurate automated hole masking algorithm for single-particle cryo-EM image processing. <i>Bioinformatics</i> , 2017, 33, 3824-3826.	1.8	27
13	Differences in the Binding Affinity of an HIV-1 V2 Apex-Specific Antibody for the SIV <sub>smm/mac</sub> Envelope Glycoprotein Uncouple Antibody-Dependent Cellular Cytotoxicity from Neutralization. <i>MBio</i> , 2019, 10, .	1.8	18
14	Quantification of the Resilience and Vulnerability of HIV-1 Native Glycan Shield at Atomistic Detail. <i>IScience</i> , 2020, 23, 101836.	1.9	11
15	Quantification of the Resilience and Vulnerability of HIV-1 Native Glycan Shield at Atomistic Detail. <i>SSRN Electronic Journal</i> , 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