

# Michael B Zwick

## List of Publications by Year in descending order

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29  
papers

2,603  
citations

331670  
21  
h-index

477307  
29  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2583  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cryo-ET of Env on intact HIV virions reveals structural variation and positioning on the Gag lattice. Cell, 2022, 185, 641-653.e17.	28.9	50
2	Membrane Env Liposomes Facilitate Immunization with Multivalent Full-Length HIV Spikes. Journal of Virology, 2021, 95, e0000521.	3.4	4
3	Focal accumulation of aromaticity at the CDRH3 loop mitigates 4E10 polyreactivity without altering its HIV neutralization profile. IScience, 2021, 24, 102987.	4.1	1
4	A V<sub>H</sub> 1-69 antibody lineage from an infected Chinese donor potentially neutralizes HIV-1 by targeting the V3 glycan supersite. Science Advances, 2020, 6, .	10.3	19
5	Affinity for the Interface Underpins Potency of Antibodies Operating In Membrane Environments. Cell Reports, 2020, 32, 108037.	6.4	10
6	HIV-1 Envelope and MPER Antibody Structures in Lipid Assemblies. Cell Reports, 2020, 31, 107583.	6.4	60
7	Vaccination with Glycan-Modified HIV NFL Envelope Trimer-Liposomes Elicits Broadly Neutralizing Antibodies to Multiple Sites of Vulnerability. Immunity, 2019, 51, 915-929.e7.	14.3	111
8	An MPER antibody neutralizes HIV-1 using germline features shared among donors. Nature Communications, 2019, 10, 5389.	12.8	44
9	Functional Optimization of Broadly Neutralizing HIV-1 Antibody 10E8 by Promotion of Membrane Interactions. Journal of Virology, 2018, 92, .	3.4	21
10	Dense Array of Spikes on HIV-1 Virion Particles. Journal of Virology, 2017, 91, .	3.4	53
11	Covalent Linkage of HIV-1 Trimers to Synthetic Liposomes Elicits Improved B Cell and Antibody Responses. Journal of Virology, 2017, 91, .	3.4	71
12	Functional Stability of HIV-1 Envelope Trimer Affects Accessibility to Broadly Neutralizing Antibodies at Its Apex. Journal of Virology, 2017, 91, .	3.4	19
13	Trimerization of the HIV Transmembrane Domain in Lipid Bilayers Modulates Broadly Neutralizing Antibody Binding. Angewandte Chemie - International Edition, 2016, 55, 2688-2692.	13.8	20
14	High-Density Array of Well-Ordered HIV-1 Spikes on Synthetic Liposomal Nanoparticles Efficiently Activate B Cells. Cell Reports, 2016, 15, 1986-1999.	6.4	127
15	Immunogenic Display of Purified Chemically Cross-Linked HIV-1 Spikes. Journal of Virology, 2015, 89, 6725-6745.	3.4	24
16	Antibodies to a conformational epitope on gp41 neutralize HIV-1 by destabilizing the Env spike. Nature Communications, 2015, 6, 8167.	12.8	87
17	Antibody to gp41 MPER Alters Functional Properties of HIV-1 Env without Complete Neutralization. PLoS Pathogens, 2014, 10, e1004271.	4.7	54
18	Broadly Neutralizing HIV Antibodies Define a Glycan-Dependent Epitope on the Prefusion Conformation of gp41 on Cleaved Envelope Trimers. Immunity, 2014, 40, 657-668.	14.3	342

#	ARTICLE	IF	CITATIONS
19	Increased Functional Stability and Homogeneity of Viral Envelope Spikes through Directed Evolution. PLoS Pathogens, 2013, 9, e1003184.	4.7	55
20	Immune Tolerance Negatively Regulates B Cells in Knock-In Mice Expressing Broadly Neutralizing HIV Antibody 4E10. Journal of Immunology, 2013, 191, 3186-3191.	0.8	103
21	Functional Stability of Unliganded Envelope Glycoprotein Spikes among Isolates of Human Immunodeficiency Virus Type 1 (HIV-1). PLoS ONE, 2011, 6, e21339.	2.5	34
22	In-Solution Virus Capture Assay Helps Deconstruct Heterogeneous Antibody Recognition of Human Immunodeficiency Virus Type 1. Journal of Virology, 2010, 84, 3382-3395.	3.4	52
23	A Limited Number of Antibody Specificities Mediate Broad and Potent Serum Neutralization in Selected HIV-1 Infected Individuals. PLoS Pathogens, 2010, 6, e1001028.	4.7	335
24	Antibody elicited against the gp41 N-heptad repeat (NHR) coiled-coil can neutralize HIV-1 with modest potency but non-neutralizing antibodies also bind to NHR mimetics. Virology, 2008, 377, 170-183.	2.4	50
25	An Affinity-Enhanced Neutralizing Antibody against the Membrane-Proximal External Region of Human Immunodeficiency Virus Type 1 gp41 Recognizes an Epitope between Those of 2F5 and 4E10. Journal of Virology, 2007, 81, 4033-4043.	3.4	169
26	Broadly Neutralizing Anti-HIV Antibody 4E10 Recognizes a Helical Conformation of a Highly Conserved Fusion-Associated Motif in gp41. Immunity, 2005, 22, 163-173.	14.3	410
27	The Long Third Complementarity-Determining Region of the Heavy Chain Is Important in the Activity of the Broadly Neutralizing Anti-Human Immunodeficiency Virus Type 1 Antibody 2F5. Journal of Virology, 2004, 78, 3155-3161.	3.4	111
28	A Novel Human Antibody against Human Immunodeficiency Virus Type 1 gp120 Is V1, V2, and V3 Loop Dependent and Helps Delimit the Epitope of the Broadly Neutralizing Antibody Immunoglobulin G1 b12. Journal of Virology, 2003, 77, 6965-6978.	3.4	67
29	Molecular Features of the Broadly Neutralizing Immunoglobulin G1 b12 Required for Recognition of Human Immunodeficiency Virus Type 1 gp120. Journal of Virology, 2003, 77, 5863-5876.	3.4	100