

Gabriel Ozorowski

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7035098/publications.pdf>

Version: 2024-02-01

81
papers

7,598
citations

93792

39
h-index

78623

77
g-index

95
all docs

95
docs citations

95
times ranked

6427
citing authors

#	ARTICLE	IF	CITATIONS
1	From structure to sequence: Antibody discovery using cryoEM. <i>Science Advances</i> , 2022, 8, eabk2039.	4.7	18
2	The Glycan Hole Area of HIV-1 Envelope Trimers Contributes Prominently to the Induction of Autologous Neutralization. <i>Journal of Virology</i> , 2022, 96, JVI0155221.	1.5	13
3	Structure-guided changes at the V2 apex of HIV-1 clade C trimer enhance elicitation of autologous neutralizing and broad V1V2-scaffold antibodies. <i>Cell Reports</i> , 2022, 38, 110436.	2.9	6
4	Structural definition of a pan-sarbecovirus neutralizing epitope on the spike S2 subunit. <i>Communications Biology</i> , 2022, 5, 342.	2.0	41
5	Structural insights of a highly potent pan-neutralizing SARS-CoV-2 human monoclonal antibody. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2120976119.	3.3	27
6	Immunofocusing and enhancing autologous Tier-2 HIV-1 neutralization by displaying Env trimers on two-component protein nanoparticles. <i>Npj Vaccines</i> , 2021, 6, 24.	2.9	33
7	Extremely potent human monoclonal antibodies from COVID-19 convalescent patients. <i>Cell</i> , 2021, 184, 1821-1835.e16.	13.5	180
8	Elicitation of potent serum neutralizing antibody responses in rabbits by immunization with an HIV-1 clade C trimeric Env derived from an Indian elite neutralizer. <i>PLoS Pathogens</i> , 2021, 17, e1008977.	2.1	4
9	Enhancing glycan occupancy of soluble HIV-1 envelope trimers to mimic the native viral spike. <i>Cell Reports</i> , 2021, 35, 108933.	2.9	37
10	Single-component multilayered self-assembling nanoparticles presenting rationally designed glycoprotein trimers as Ebola virus vaccines. <i>Nature Communications</i> , 2021, 12, 2633.	5.8	25
11	Neutralizing Antibodies Induced by First-Generation gp41-Stabilized HIV-1 Envelope Trimers and Nanoparticles. <i>MBio</i> , 2021, 12, e0042921.	1.8	6
12	Isolation and characterization of cross-neutralizing coronavirus antibodies from COVID-19+ subjects. <i>Cell Reports</i> , 2021, 36, 109353.	2.9	95
13	Neutralizing Antibody Responses Induced by HIV-1 Envelope Glycoprotein SOSIP Trimers Derived from Elite Neutralizers. <i>Journal of Virology</i> , 2020, 94, .	1.5	11
14	Structural analysis of full-length SARS-CoV-2 spike protein from an advanced vaccine candidate. <i>Science</i> , 2020, 370, 1089-1094.	6.0	290
15	Mapping the immunogenic landscape of near-native HIV-1 envelope trimers in non-human primates. <i>PLoS Pathogens</i> , 2020, 16, e1008753.	2.1	61
16	A Strain-Specific Inhibitor of Receptor-Bound HIV-1 Targets a Pocket near the Fusion Peptide. <i>Cell Reports</i> , 2020, 33, 108428.	2.9	5
17	HIV envelope trimer-elicited autologous neutralizing antibodies bind a region overlapping the N332 glycan supersite. <i>Science Advances</i> , 2020, 6, eaba0512.	4.7	18
18	Harnessing Activin A Adjuvanticity to Promote Antibody Responses to BG505 HIV Envelope Trimers. <i>Frontiers in Immunology</i> , 2020, 11, 1213.	2.2	4

#	ARTICLE	IF	CITATIONS
19	Autologous Antibody Responses to an HIV Envelope Glycan Hole Are Not Easily Broadened in Rabbits. <i>Journal of Virology</i> , 2020, 94, .	1.5	57
20	Env Exceptionalism: Why Are HIV-1 Env Glycoproteins Atypical Immunogens?. <i>Cell Host and Microbe</i> , 2020, 27, 507-518.	5.1	42
21	Neutralizing Antibody Induction by HIV-1 Envelope Glycoprotein SOSIP Trimers on Iron Oxide Nanoparticles May Be Impaired by Mannose Binding Lectin. <i>Journal of Virology</i> , 2020, 94, .	1.5	29
22	Mapping the immunogenic landscape of near-native HIV-1 envelope trimers in non-human primates. , 2020, 16, e1008753.		0
23	Mapping the immunogenic landscape of near-native HIV-1 envelope trimers in non-human primates. , 2020, 16, e1008753.		0
24	Mapping the immunogenic landscape of near-native HIV-1 envelope trimers in non-human primates. , 2020, 16, e1008753.		0
25	Mapping the immunogenic landscape of near-native HIV-1 envelope trimers in non-human primates. , 2020, 16, e1008753.		0
26	A generalized HIV vaccine design strategy for priming of broadly neutralizing antibody responses. <i>Science</i> , 2019, 366, .	6.0	172
27	Structure and immunogenicity of a stabilized HIV-1 envelope trimer based on a group-M consensus sequence. <i>Nature Communications</i> , 2019, 10, 2355.	5.8	116
28	Conformational Plasticity in the HIV-1 Fusion Peptide Facilitates Recognition by Broadly Neutralizing Antibodies. <i>Cell Host and Microbe</i> , 2019, 25, 873-883.e5.	5.1	42
29	Field-Based Affinity Optimization of a Novel Azabicyclohexane Scaffold HIV-1 Entry Inhibitor. <i>Molecules</i> , 2019, 24, 1581.	1.7	8
30	Developability Assessment of Physicochemical Properties and Stability Profiles of HIV-1 BG505 SOSIP.664 and BG505 SOSIP.v4.1-GT1.1 gp140 Envelope Glycoprotein Trimers as Candidate Vaccine Antigens. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2264-2277.	1.6	16
31	The HIV-1 Envelope Glycoprotein C3/V4 Region Defines a Prevalent Neutralization Epitope following Immunization. <i>Cell Reports</i> , 2019, 27, 586-598.e6.	2.9	32
32	Vaccination with Glycan-Modified HIV NFL Envelope Trimer-Liposomes Elicits Broadly Neutralizing Antibodies to Multiple Sites of Vulnerability. <i>Immunity</i> , 2019, 51, 915-929.e7.	6.6	111
33	Closing and Opening Holes in the Glycan Shield of HIV-1 Envelope Glycoprotein SOSIP Trimers Can Redirect the Neutralizing Antibody Response to the Newly Unmasked Epitopes. <i>Journal of Virology</i> , 2019, 93, .	1.5	66
34	Effects of Adjuvants on HIV-1 Envelope Glycoprotein SOSIP Trimers <i>in Vitro</i> . <i>Journal of Virology</i> , 2018, 92, .	1.5	34
35	Envelope proteins of two HIV-1 clades induced different epitope-specific antibody response. <i>Vaccine</i> , 2018, 36, 1627-1636.	1.7	11
36	Integrity of Glycosylation Processing of a Glycan-Depleted Trimeric HIV-1 Immunogen Targeting Key B-Cell Lineages. <i>Journal of Proteome Research</i> , 2018, 17, 987-999.	1.8	23

#	ARTICLE	IF	CITATIONS
37	cGMP production and analysis of BG505 SOSIP.664, an extensively glycosylated, trimeric HIV-1 envelope glycoprotein vaccine candidate. <i>Biotechnology and Bioengineering</i> , 2018, 115, 885-899.	1.7	75
38	HIV-1 vaccine design through minimizing envelope metastability. <i>Science Advances</i> , 2018, 4, eaau6769.	4.7	75
39	Rational Design of DNA-Expressed Stabilized Native-Like HIV-1 Envelope Trimers. <i>Cell Reports</i> , 2018, 24, 3324-3338.e5.	2.9	49
40	Epitopes for neutralizing antibodies induced by HIV-1 envelope glycoprotein BG505 SOSIP trimers in rabbits and macaques. <i>PLoS Pathogens</i> , 2018, 14, e1006913.	2.1	111
41	The Tetrameric Plant Lectin BanLec Neutralizes HIV through Bidentate Binding to Specific Viral Glycans. <i>Structure</i> , 2017, 25, 773-782.e5.	1.6	39
42	Stabilization of a soluble, native-like trimeric form of an efficiently cleaved Indian HIV-1 clade C envelope glycoprotein. <i>Journal of Biological Chemistry</i> , 2017, 292, 8236-8243.	1.6	24
43	Virus-like Particles Identify an HIV V1V2 Apex-Binding Neutralizing Antibody that Lacks a Protruding Loop. <i>Immunity</i> , 2017, 46, 777-791.e10.	6.6	81
44	Elicitation of Robust Tier 2 Neutralizing Antibody Responses in Nonhuman Primates by HIV Envelope Trimer Immunization Using Optimized Approaches. <i>Immunity</i> , 2017, 46, 1073-1088.e6.	6.6	286
45	Reducing V3 Antigenicity and Immunogenicity on Soluble, Native-Like HIV-1 Env SOSIP Trimers. <i>Journal of Virology</i> , 2017, 91, .	1.5	57
46	Improving the Expression and Purification of Soluble, Recombinant Native-Like HIV-1 Envelope Glycoprotein Trimers by Targeted Sequence Changes. <i>Journal of Virology</i> , 2017, 91, .	1.5	27
47	Improving the Immunogenicity of Native-like HIV-1 Envelope Trimers by Hyperstabilization. <i>Cell Reports</i> , 2017, 20, 1805-1817.	2.9	171
48	Design and crystal structure of a native-like HIV-1 envelope trimer that engages multiple broadly neutralizing antibody precursors in vivo. <i>Journal of Experimental Medicine</i> , 2017, 214, 2573-2590.	4.2	151
49	High-Throughput Protein Engineering Improves the Antigenicity and Stability of Soluble HIV-1 Envelope Glycoprotein SOSIP Trimers. <i>Journal of Virology</i> , 2017, 91, .	1.5	22
50	Characterization of a stable HIV-1 B/C recombinant, soluble, and trimeric envelope glycoprotein (Env) highly resistant to CD4-induced conformational changes. <i>Journal of Biological Chemistry</i> , 2017, 292, 15849-15858.	1.6	12
51	Structure-based design of native-like HIV-1 envelope trimers to silence non-neutralizing epitopes and eliminate CD4 binding. <i>Nature Communications</i> , 2017, 8, 1655.	5.8	142
52	Open and closed structures reveal allostery and pliability in the HIV-1 envelope spike. <i>Nature</i> , 2017, 547, 360-363.	18.7	217
53	An HIV-1 antibody from an elite neutralizer implicates the fusion peptide as a site of vulnerability. <i>Nature Microbiology</i> , 2017, 2, 16199.	5.9	144
54	Hidden Lineage Complexity of Glycan-Dependent HIV-1 Broadly Neutralizing Antibodies Uncovered by Digital Panning and Native-Like gp140 Trimer. <i>Frontiers in Immunology</i> , 2017, 8, 1025.	2.2	21

#	ARTICLE	IF	CITATIONS
55	Structure and Recognition of a Novel HIV-1 gp120-gp41 Interface Antibody that Caused MPER Exposure through Viral Escape. <i>PLoS Pathogens</i> , 2017, 13, e1006074.	2.1	33
56	Key gp120 Glycans Pose Roadblocks to the Rapid Development of VRC01-Class Antibodies in an HIV-1-Infected Chinese Donor. <i>Immunity</i> , 2016, 44, 939-950.	6.6	85
57	Fusion peptide of HIV-1 as a site of vulnerability to neutralizing antibody. <i>Science</i> , 2016, 352, 828-833.	6.0	310
58	Tailored Immunogens Direct Affinity Maturation toward HIV Neutralizing Antibodies. <i>Cell</i> , 2016, 166, 1459-1470.e11.	13.5	230
59	HIV Vaccine Design to Target Germline Precursors of Glycan-Dependent Broadly Neutralizing Antibodies. <i>Immunity</i> , 2016, 45, 483-496.	6.6	335
60	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.	2.9	216
61	Chemical Cross-Linking Stabilizes Native-Like HIV-1 Envelope Glycoprotein Trimer Antigens. <i>Journal of Virology</i> , 2016, 90, 813-828.	1.5	34
62	Cryo-EM structure of a native, fully glycosylated, cleaved HIV-1 envelope trimer. <i>Science</i> , 2016, 351, 1043-1048.	6.0	402
63	Maturation Pathway from Germline to Broad HIV-1 Neutralizer of a CD4-Mimic Antibody. <i>Cell</i> , 2016, 165, 449-463.	13.5	305
64	Sequential and Simultaneous Immunization of Rabbits with HIV-1 Envelope Glycoprotein SOSIP.664 Trimers from Clades A, B and C. <i>PLoS Pathogens</i> , 2016, 12, e1005864.	2.1	138
65	Presenting native-like HIV-1 envelope trimers on ferritin nanoparticles improves their immunogenicity. <i>Retrovirology</i> , 2015, 12, 82.	0.9	156
66	Engineering and Characterization of a Fluorescent Native-Like HIV-1 Envelope Glycoprotein Trimer. <i>Biomolecules</i> , 2015, 5, 2919-2934.	1.8	12
67	Immunogenicity of Stabilized HIV-1 Envelope Trimers with Reduced Exposure of Non-neutralizing Epitopes. <i>Cell</i> , 2015, 163, 1702-1715.	13.5	341
68	Structural Constraints Determine the Glycosylation of HIV-1 Envelope Trimers. <i>Cell Reports</i> , 2015, 11, 1604-1613.	2.9	135
69	HIV-1 neutralizing antibodies induced by native-like envelope trimers. <i>Science</i> , 2015, 349, aac4223.	6.0	482
70	Comprehensive Antigenic Map of a Cleaved Soluble HIV-1 Envelope Trimer. <i>PLoS Pathogens</i> , 2015, 11, e1004767.	2.1	100
71	A Native-Like SOSIP.664 Trimer Based on an HIV-1 Subtype B <i>env</i> Gene. <i>Journal of Virology</i> , 2015, 89, 3380-3395.	1.5	247
72	Antibodies to a conformational epitope on gp41 neutralize HIV-1 by destabilizing the Env spike. <i>Nature Communications</i> , 2015, 6, 8167.	5.8	87

#	ARTICLE	IF	CITATIONS
73	Murine Antibody Responses to Cleaved Soluble HIV-1 Envelope Trimers Are Highly Restricted in Specificity. <i>Journal of Virology</i> , 2015, 89, 10383-10398.	1.5	148
74	Design and structure of two HIV-1 clade C SOSIP.664 trimers that increase the arsenal of native-like Env immunogens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11947-11952.	3.3	127
75	Influences on the Design and Purification of Soluble, Recombinant Native-Like HIV-1 Envelope Glycoprotein Trimers. <i>Journal of Virology</i> , 2015, 89, 12189-12210.	1.5	88
76	Structure of a C-terminal AHNAK peptide in a 1:2:2 complex with S100A10 and an acetylated N-terminal peptide of annexin A2. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 92-104.	2.5	24
77	Cross-protomer interaction with the photoactive site in oligomeric proteorhodopsin complexes. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 1965-1980.	2.5	95
78	A Transporter Converted into a Sensor, a Phototaxis Signaling Mutant of Bacteriorhodopsin at 3.0Å... <i>Journal of Molecular Biology</i> , 2012, 415, 455-463.	2.0	18
79	Withaferin A binds covalently to the N-terminal domain of annexin A2. <i>Biological Chemistry</i> , 2012, 393, 1151-1163.	1.2	23
80	N-terminal acetylation of annexin A2 is required for S100A10 binding. <i>Biological Chemistry</i> , 2012, 393, 1141-1150.	1.2	29
81	Apo and Calcium-Bound Crystal Structures of Cytoskeletal Protein Alpha-14 Giardin (Annexin E1) from the Intestinal Protozoan Parasite <i>Giardia lamblia</i> . <i>Journal of Molecular Biology</i> , 2009, 385, 1098-1112.	2.0	17