

Joel D Allen

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

4,332
citations

257101

24
h-index

288905

40
g-index

65
all docs

65
docs citations

65
times ranked

7691
citing authors

#	ARTICLE	IF	CITATIONS
1	Glycosylation and Serological Reactivity of an Expression-enhanced SARS-CoV-2 Viral Spike Mimetic. <i>Journal of Molecular Biology</i> , 2022, 434, 167332.	2.0	22
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	High thermostability improves neutralizing antibody responses induced by native-like HIV-1 envelope trimers. <i>Npj Vaccines</i> , 2022, 7, 27.	2.9	13
4	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
5	Subtle Influence of ACE2 Glycan Processing on SARS-CoV-2 Recognition. <i>Journal of Molecular Biology</i> , 2021, 433, 166762.	2.0	64
6	A cross-neutralizing antibody between HIV-1 and influenza virus. <i>PLoS Pathogens</i> , 2021, 17, e1009407.	2.1	23
7	Two-component spike nanoparticle vaccine protects macaques from SARS-CoV-2 infection. <i>Cell</i> , 2021, 184, 1188-1200.e19.	13.5	154
8	Effector function does not contribute to protection from virus challenge by a highly potent HIV broadly neutralizing antibody in nonhuman primates. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	23
9	Native-like SARS-CoV-2 Spike Glycoprotein Expressed by ChAdOx1 nCoV-19/AZD1222 Vaccine. <i>ACS Central Science</i> , 2021, 7, 594-602.	5.3	118
10	SARS-CoV-2-specific IgG1/IgG3 but not IgM in children with Pediatric Inflammatory Multi-System Syndrome. <i>Pediatric Allergy and Immunology</i> , 2021, 32, 1125-1129.	1.1	13
11	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
12	Development of a high-sensitivity ELISA detecting IgG, IgA and IgM antibodies to the SARS-CoV-2 spike glycoprotein in serum and saliva. <i>Immunology</i> , 2021, 164, 135-147.	2.0	35
13	Neutralizing Antibodies Induced by First-Generation gp41-Stabilized HIV-1 Envelope Trimers and Nanoparticles. <i>MBio</i> , 2021, 12, e0042921.	1.8	6
14	Site-Specific Steric Control of SARS-CoV-2 Spike Glycosylation. <i>Biochemistry</i> , 2021, 60, 2153-2169.	1.2	54
15	Site-Specific Glycosylation of Recombinant Viral Glycoproteins Produced in <i>Nicotiana benthamiana</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 709344.	1.7	9
16	Insertion of atypical glycans into the tumor antigen-binding site identifies DLBCLs with distinct origin and behavior. <i>Blood</i> , 2021, 138, 1570-1582.	0.6	9
17	Polyclonal antibody responses to HIV Env immunogens resolved using cryoEM. <i>Nature Communications</i> , 2021, 12, 4817.	5.8	35
18	Serological responses to SARS-CoV-2 following non-hospitalised infection: clinical and ethnodemographic features associated with the magnitude of the antibody response. <i>BMJ Open Respiratory Research</i> , 2021, 8, e000872.	1.2	25

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19	Suppression of O-Linked Glycosylation of the SARS-CoV-2 Spike by Quaternary Structural Restraints. <i>Analytical Chemistry</i> , 2021, 93, 14392-14400.	3.2	12
20	Engineering well-expressed, V2-immunofocusing HIV-1 envelope glycoprotein membrane trimers for use in heterologous prime-boost vaccine regimens. <i>PLoS Pathogens</i> , 2021, 17, e1009807.	2.1	13
21	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
22	Sensitive Detection of SARS-CoV-2-Specific Antibodies in Dried Blood Spot Samples. <i>Emerging Infectious Diseases</i> , 2020, 26, 2970-2973.	2.0	74
23	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
24	SARS-CoV-2 seroprevalence and asymptomatic viral carriage in healthcare workers: a cross-sectional study. <i>Thorax</i> , 2020, 75, 1089-1094.	2.7	234
25	Site-specific glycan analysis of the SARS-CoV-2 spike. <i>Science</i> , 2020, 369, 330-333.	6.0	1,277
26	Vulnerabilities in coronavirus glycan shields despite extensive glycosylation. <i>Nature Communications</i> , 2020, 11, 2688.	5.8	304
27	Networks of HIV-1 Envelope Glycans Maintain Antibody Epitopes in the Face of Glycan Additions and Deletions. <i>Structure</i> , 2020, 28, 897-909.e6.	1.6	46
28	Title is missing!. , 2020, 16, e1008665.		0
29	Title is missing!. , 2020, 16, e1008665.		0
30	Title is missing!. , 2020, 16, e1008665.		0
31	Title is missing!. , 2020, 16, e1008665.		0
32	Similarities and differences between native HIV-1 envelope glycoprotein trimers and stabilized soluble trimer mimetics. <i>PLoS Pathogens</i> , 2019, 15, e1007920.	2.1	61
33	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
34	The Chimpanzee SIV Envelope Trimer: Structure and Deployment as an HIV Vaccine Template. <i>Cell Reports</i> , 2019, 27, 2426-2441.e6.	2.9	35
35	Innate immune recognition of glycans targets HIV nanoparticle immunogens to germinal centers. <i>Science</i> , 2019, 363, 649-654.	6.0	227
36	Collision Cross Sections and Ion Mobility Separation of Fragment Ions from Complex N-Glycans. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1250-1261.	1.2	26

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37	Quantitative mass imaging of single biological macromolecules. <i>Science</i> , 2018, 360, 423-427.	6.0	453
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	Harnessing post-translational modifications for next-generation HIV immunogens. <i>Biochemical Society Transactions</i> , 2018, 46, 691-698.	1.6	5
41	Signature of Antibody Domain Exchange by Native Mass Spectrometry and Collision-Induced Unfolding. <i>Analytical Chemistry</i> , 2018, 90, 7325-7331.	3.2	31
42	Structure of the Lassa virus glycan shield provides a model for immunological resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7320-7325.	3.3	95
43	Site-Specific Glycosylation of Virion-Derived HIV-1 Env Is Mimicked by a Soluble Trimeric Immunogen. <i>Cell Reports</i> , 2018, 24, 1958-1966.e5.	2.9	120
44	Engineering the fragment crystallizable (Fc) region of human IgG1 multimers and monomers to fine-tune interactions with sialic acid-dependent receptors. <i>Journal of Biological Chemistry</i> , 2017, 292, 12994-13007.	1.6	23
45	Augmenting glycosylation-directed folding pathways enhances the fidelity of HIV Env immunogen production in plants. <i>Biotechnology and Bioengineering</i> , 0, , .	1.7	5