

Anna-Janina Behrens

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,995
citations

393982

19
h-index

642321

23
g-index

25
all docs

25
docs citations

25
times ranked

2425
citing authors

#	ARTICLE	IF	CITATIONS
1	Trimeric HIV-1-Env Structures Define Glycan Shields from Clades A, B, and G. <i>Cell</i> , 2016, 165, 813-826.	13.5	379
2	Composition and Antigenic Effects of Individual Glycan Sites of a Trimeric HIV-1 Envelope Glycoprotein. <i>Cell Reports</i> , 2016, 14, 2695-2706.	2.9	250
3	Improving the Immunogenicity of Native-like HIV-1 Envelope Trimers by Hyperstabilization. <i>Cell Reports</i> , 2017, 20, 1805-1817.	2.9	171
4	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
5	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
6	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
7	Glycan clustering stabilizes the mannose patch of HIV-1 and preserves vulnerability to broadly neutralizing antibodies. <i>Nature Communications</i> , 2015, 6, 7479.	5.8	113
8	Structural principles controlling HIV envelope glycosylation. <i>Current Opinion in Structural Biology</i> , 2017, 44, 125-133.	2.6	99
9	Structure of a phleboviral envelope glycoprotein reveals a consolidated model of membrane fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7154-7159.	3.3	87
10	Molecular Architecture of the Cleavage-Dependent Mannose Patch on a Soluble HIV-1 Envelope Glycoprotein Trimer. <i>Journal of Virology</i> , 2017, 91, .	1.5	77
11	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
12	Type IV Pilus Assembly in <i>Pseudomonas aeruginosa</i> over a Broad Range of Cyclic di-GMP Concentrations. <i>Journal of Bacteriology</i> , 2012, 194, 4285-4294.	1.0	58
13	Structure of a cleavage-independent HIV Env recapitulates the glycoprotein architecture of the native cleaved trimer. <i>Nature Communications</i> , 2018, 9, 1956.	5.8	50
14	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
15	Structure-Guided Redesign Improves NFL HIV Env Trimer Integrity and Identifies an Inter-Protomer Disulfide Permitting Post-Expression Cleavage. <i>Frontiers in Immunology</i> , 2018, 9, 1631.	2.2	37
16	Global N-Glycan Site Occupancy of HIV-1 gp120 by Metabolic Engineering and High-Resolution Intact Mass Spectrometry. <i>ACS Chemical Biology</i> , 2017, 12, 357-361.	1.6	34
17	Cleavage-Independent HIV-1 Trimers From CHO Cell Lines Elicit Robust Autologous Tier 2 Neutralizing Antibodies. <i>Frontiers in Immunology</i> , 2018, 9, 1116.	2.2	27
18	Glycosylation profiling to evaluate glycoprotein immunogens against HIV-1. <i>Expert Review of Proteomics</i> , 2017, 14, 881-890.	1.3	24

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19	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
20	Antibody production using a ciliate generates unusual antibody glycoforms displaying enhanced cell-killing activity. <i>MABs</i> , 2016, 8, 1498-1511.	2.6	14
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	Identification of N-glycans with GalNAc-containing antennae from recombinant HIV trimers by ion mobility and negative ion fragmentation. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 7229-7240.	1.9	1
23	Formation and fragmentation of doubly and triply charged ions in the negative ion spectra of neutral N-glycans from viral and other glycoproteins. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 7277-7294.	1.9	0