

Andrew C Ward

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

3,525
citations

471061

17
h-index

713013

21
g-index

21
all docs

21
docs citations

21
times ranked

3309
citing authors

#	ARTICLE	IF	CITATIONS
1	Developmental pathway for potent V1V2-directed HIV-neutralizing antibodies. <i>Nature</i> , 2014, 509, 55-62.	13.7	681
2	Broad and potent HIV-1 neutralization by a human antibody that binds the gp41-gp120 interface. <i>Nature</i> , 2014, 515, 138-142.	13.7	400
3	Broadly Neutralizing HIV Antibodies Define a Glycan-Dependent Epitope on the Prefusion Conformation of gp41 on Cleaved Envelope Trimers. <i>Immunity</i> , 2014, 40, 657-668.	6.6	342
4	Recombinant HIV envelope trimer selects for quaternary-dependent antibodies targeting the trimer apex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17624-17629.	3.3	324
5	Structural Delineation of a Quaternary, Cleavage-Dependent Epitope at the gp41-gp120 Interface on Intact HIV-1 Env Trimers. <i>Immunity</i> , 2014, 40, 669-680.	6.6	323
6	Fusion peptide of HIV-1 as a site of vulnerability to neutralizing antibody. <i>Science</i> , 2016, 352, 828-833.	6.0	310
7	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
8	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
9	Antibody 8ANC195 Reveals a Site of Broad Vulnerability on the HIV-1 Envelope Spike. <i>Cell Reports</i> , 2014, 7, 785-795.	2.9	199
10	Development of a needle shaped microelectrode for electrochemical detection of the sepsis biomarker interleukin-6 (IL-6) in real time. <i>Biosensors and Bioelectronics</i> , 2019, 126, 806-814.	5.3	139
11	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
12	<i>Pseudomonas aeruginosa</i> Can Be Detected in a Polymicrobial Competition Model Using Impedance Spectroscopy with a Novel Biosensor. <i>PLoS ONE</i> , 2014, 9, e91732.	1.1	46
13	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
14	An electrochemical SARS-CoV-2 biosensor inspired by glucose test strip manufacturing processes. <i>Chemical Communications</i> , 2021, 57, 3704-3707.	2.2	38
15	SARS-CoV-2 Aptasensors Based on Electrochemical Impedance Spectroscopy and Low-Cost Gold Electrode Substrates. <i>Analytical Chemistry</i> , 2022, 94, 2126-2133.	3.2	34
16	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
17	Emerging Electrochemical Sensors for Real-Time Detection of Tetracyclines in Milk. <i>Biosensors</i> , 2021, 11, 232.	2.3	21
18	Electrochemical detection of oxacillin resistance with SimpleStat: a low cost integrated potentiostat and sensor platform. <i>Analytical Methods</i> , 2019, 11, 1958-1965.	1.3	14

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19	Toward a Closed Loop, Integrated Biocompatible Biopolymer Wound Dressing Patch for Detection and Prevention of Chronic Wound Infections. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 1039.	2.0	9
20	ConcrEITS: An Electrical Impedance Interrogator for Concrete Damage Detection Using Self-Sensing Repairs. <i>Sensors</i> , 2021, 21, 7081.	2.1	9
21	Field-Based Affinity Optimization of a Novel Azabicyclohexane Scaffold HIV-1 Entry Inhibitor. <i>Molecules</i> , 2019, 24, 1581.	1.7	8