# Andrew C Ward

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | SARS-CoV-2 Aptasensors Based on Electrochemical Impedance Spectroscopy and Low-Cost Gold Electrode Substrates. Analytical Chemistry, 2022, 94, 2126-2133. | 3.2 | 34 |
| 2 | Emerging Electrochemical Sensors for Real-Time Detection of Tetracyclines in Milk. Biosensors, 2021, 11, 232. | 2.3 | 21 |
| 3 | An electrochemical SARS-CoV-2 biosensor inspired by glucose test strip manufacturing processes. Chemical Communications, 2021, 57, 3704-3707. | 2.2 | 38 |
| 4 | ConcrEITS: An Electrical Impedance Interrogator for Concrete Damage Detection Using Self-Sensing Repairs. Sensors, 2021, 21, 7081. | 2.1 | 9 |
| 5 | Toward a Closed Loop, Integrated Biocompatible Biopolymer Wound Dressing Patch for Detection and Prevention of Chronic Wound Infections. Frontiers in Bioengineering and Biotechnology, 2020, 8, 1039. | 2.0 | 9 |
| 6 | Conformational Plasticity in the HIV-1 Fusion Peptide Facilitates Recognition by Broadly Neutralizing Antibodies. Cell Host and Microbe, 2019, 25, 873-883.e5. | 5.1 | 42 |
| 7 | Field-Based Affinity Optimization of a Novel Azabicyclohexane Scaffold HIV-1 Entry Inhibitor. Molecules, 2019, 24, 1581. | 1.7 | 8 |
| 8 | Electrochemical detection of oxacillin resistance with SimpleStat: a low cost integrated potentiostat and sensor platform. Analytical Methods, 2019, 11, 1958-1965. | 1.3 | 14 |
| 9 | Development of a needle shaped microelectrode for electrochemical detection of the sepsis biomarker interleukin-6 (IL-6) in real time. Biosensors and Bioelectronics, 2019, 126, 806-814. | 5.3 | 139 |
| 10 | Structure and Recognition of a Novel HIV-1 gp120-gp41 Interface Antibody that Caused MPER Exposure through Viral Escape. PLoS Pathogens, 2017, 13, e1006074. | 2.1 | 33 |
| 11 | Fusion peptide of HIV-1 as a site of vulnerability to neutralizing antibody. Science, 2016, 352, 828-833. | 6.0 | 310 |
| 12 | Holes in the Glycan Shield of the Native HIV Envelope Are a Target of Trimer-Elicited Neutralizing Antibodies. Cell Reports, 2016, 16, 2327-2338. | 2.9 | 216 |
| 13 | Composition and Antigenic Effects of Individual Glycan Sites of a Trimeric HIV-1 Envelope Glycoprotein. Cell Reports, 2016, 14, 2695-2706. | 2.9 | 250 |
| 14 | Antibodies to a conformational epitope on gp41 neutralize HIV-1 by destabilizing the Env spike. Nature Communications, 2015, 6, 8167. | 5.8 | 87 |
| 15 | Recombinant HIV envelope trimer selects for quaternary-dependent antibodies targeting the trimer apex. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17624-17629. | 3.3 | 324 |
| 16 | Broadly Neutralizing HIV Antibodies Define a Glycan-Dependent Epitope on the Prefusion Conformation of gp41 on Cleaved Envelope Trimers. Immunity, 2014, 40, 657-668. | 6.6 | 342 |
| 17 | Developmental pathway for potent V1V2-directed HIV-neutralizing antibodies. Nature, 2014, 509, 55-62. | 13.7 | 681 |
| 18 | Structural Delineation of a Quaternary, Cleavage-Dependent Epitope at the gp41-gp120 Interface on Intact HIV-1 Env Trimers. Immunity, 2014, 40, 669-680. | 6.6 | 323 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Broad and potent HIV-1 neutralization by a human antibody that binds the gp41â€“gp120 interface. Nature, 2014, 515, 138-142. | 13.7 | 400 |
| 20 | Antibody 8ANC195 Reveals a Site of Broad Vulnerability on the HIV-1 Envelope Spike. Cell Reports, 2014, 7, 785-795. | 2.9 | 199 |
| 21 | Pseudomonas aeruginosa Can Be Detected in a Polymicrobial Competition Model Using Impedance Spectroscopy with a Novel Biosensor. PLoS ONE, 2014, 9, e91732. | 1.1 | 46 |