Rebecca M Dubois

List of Publications by Year
in descending order

32 papers	1,804 citations	331670 21 h-index	434195 31 g-index
35 all docs	35 docs citations	35 times ranked	3105 citing authors

#	Article	IF	Citations
1	Nanopore long-read RNAseq reveals widespread transcriptional variation among the surface receptors of individual B cells. Nature Communications, 2017, 8, 16027.	12.8	329
2	Combining ATAC-seq with nuclei sorting for discovery of cis-regulatory regions in plant genomes. Nucleic Acids Research, 2017, 45, e41-e41.	14.5	231
3	Structural and Biochemical Basis for Development of Influenza Virus Inhibitors Targeting the PA Endonuclease. PLoS Pathogens, 2012, 8, e1002830.	4.7	127
4	Acid Stability of the Hemagglutinin Protein Regulates H5N1 Influenza Virus Pathogenicity. PLoS Pathogens, 2011, 7, e1002398.	4.7	110
5	Amino Acid Residues in the Fusion Peptide Pocket Regulate the pH of Activation of the H5N1 Influenza Virus Hemagglutinin Protein. Journal of Virology, 2009, 83, 3568-3580.	3.4	94
6	Functional and evolutionary insight from the crystal structure of rubella virus protein E1. Nature, 2013, 493, 552-556.	27.8	91
7	The Astrovirus Capsid: A Review. Viruses, 2017, 9, 15.	3.3	81
8	Identification of Influenza Endonuclease Inhibitors Using a Novel Fluorescence Polarization Assay. ACS Chemical Biology, 2012, 7, 526-534.	3.4	78
9	Structure of a core fragment of glycoprotein H from pseudorabies virus in complex with antibody. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 22635-22640.	7.1	76
10	A Contributing Role for Anti-Neuraminidase Antibodies on Immunity to Pandemic H1N1 2009 Influenza A Virus. PLoS ONE, 2011, 6, e26335.	2.5	55
11	The Receptor-Binding Domain of Influenza Virus Hemagglutinin Produced in Escherichia coli Folds into Its Native, Immunogenic Structure. Journal of Virology, 2011, 85, 865-872.	3.4	49
12	Rapid and sensitive detection of SARS-CoV-2 antibodies by biolayer interferometry. Scientific Reports, 2020, 10, 21738.	3.3	49
13	Structures of respiratory syncytial virus G antigen bound to broadly neutralizing antibodies. Science Immunology, 2018, 3, .	11.9	48
14	An Influenza A/H1N1/2009 Hemagglutinin Vaccine Produced in Escherichia coli. PLoS ONE, 2010, 5, e11694.	2.5	48
15	Herpes Simplex Virus Glycoproteins H/L Bind to Cells Independently of Î±VÎ²3 Integrin and Inhibit Virus Entry, and Their Constitutive Expression Restricts Infection. Journal of Virology, 2010, 84, 4013-4025.	3.4	39
16	A simplified workflow for monoclonal antibody sequencing. PLoS ONE, 2019, 14, e0218717.	2.5	37
17	Crystal Structure of the Avian Astrovirus Capsid Spike. Journal of Virology, 2013, 87, 7853-7863.	3.4	36
18	Antiviral Susceptibility of Avian and Swine Influenza Virus of the N1 Neuraminidase Subtype. Journal of Virology, 2010, 84, 9800-9809.	3.4	31

#	Article	IF	Citations
19	Structural, Mechanistic, and Antigenic Characterization of the Human Astrovirus Capsid. Journal of Virology, 2016, 90, 2254-2263.	3.4	30
20	Structure of a Human Astrovirus Capsid-Antibody Complex and Mechanistic Insights into Virus Neutralization. Journal of Virology, 2017, 91, .	3.4	26
21	Isolation of Neutralizing Monoclonal Antibodies to Human Astrovirus and Characterization of Virus Variants That Escape Neutralization. Journal of Virology, 2019, 93, .	3.4	26
22	Structural Basis for Escape of Human Astrovirus from Antibody Neutralization: Broad Implications for Rational Vaccine Design. Journal of Virology, 2018, 92, .	3.4	18
23	Protein Disulfide Isomerase A4 Is Involved in Genome Uncoating during Human Astrovirus Cell Entry. Viruses, 2021, 13, 53.	3.3	18
24	Respiratory Syncytial Virus (RSV) G Protein Vaccines With Central Conserved Domain Mutations Induce CX3C-CX3CR1 Blocking Antibodies. Viruses, 2021, 13, 352.	3.3	17
25	De Novo Sequencing and Resurrection of a Human Astrovirus-Neutralizing Antibody. ACS Infectious Diseases, 2016, 2, 313-321.	3.8	15
26	Conformational Flexibility in Respiratory Syncytial Virus G Neutralizing Epitopes. Journal of Virology, 2020, 94, .	3.4	15
27	Human Astrovirus 1â€“8 Seroprevalence Evaluation in a United States Adult Population. Viruses, 2021, 13, 979.	3.3	6
28	Structures of Two Human Astrovirus Capsid/Neutralizing Antibody Complexes Reveal Distinct Epitopes and Inhibition of Virus Attachment to Cells. Journal of Virology, 2022, 96, JVI0141521.	3.4	6
29	Structure-Based Design and Antigenic Validation of Respiratory Syncytial Virus G Immunogens. Journal of Virology, 2022, 96, e0220121.	3.4	6
30	The Capsid Precursor Protein of Astrovirus VA1 Is Proteolytically Processed Intracellularly. Journal of Virology, 2022, 96, .	3.4	6
31	The Pre-Existing Human Antibody Repertoire to Computationally Optimized Influenza H1 Hemagglutinin Vaccines. Journal of Immunology, 2022, 209, 5-15.	0.8	5
32	Tenacious Researchers Identify a Weakness in All Ebolaviruses. MBio, 2018, 9, .	4.1	0