John W Mccauley

List of Publications by Year
in descending order

56 papers	7,140 citations	147801 31 h-index	144013 57 g-index
69 all docs	69 docs citations	69 times ranked	13118 citing authors

#	Article	IF	Citations
1	GISAID: Global initiative on sharing all influenza data â€“ from vision to reality. Eurosurveillance, 2017, 22, .	7.0	2,371
2	Preexisting and de novo humoral immunity to SARS-CoV-2 in humans. Science, 2020, 370, 1339-1343.	12.6	735
3	Global circulation patterns of seasonal influenza viruses vary with antigenic drift. Nature, 2015, 523, 217-220.	27.8	445
4	Interferon actionâ€"sequence specificity of the ppp(A2â€²p)nA-dependent ribonuclease. Nature, 1981, 289, 414-417.	27.8	315
5	Integrating influenza antigenic dynamics with molecular evolution. ELife, 2014, 3, e01914.	6.0	299
6	Receptor binding by an H7N9 influenza virus from humans. Nature, 2013, 499, 496-499.	27.8	284
7	Evolution of the receptor binding properties of the influenza A(H3N2) hemagglutinin. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 21474-21479.	7.1	250
8	A COVID-19 vaccine candidate using SpyCatcher multimerization of the SARS-CoV-2 spike protein receptor-binding domain induces potent neutralising antibody responses. Nature Communications, 2021, 12, 542.	12.8	200
9	Receptor binding by a ferret-transmissible H5 avian influenza virus. Nature, 2013, 497, 392-396.	27.8	194
10	2020 taxonomic update for phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. Archives of Virology, 2020, 165, 3023-3072.	2.1	184
11	Glycosylation of haemagglutinin and stalk-length of neuraminidase combine to regulate the growth of avian influenza viruses in tissue culture. Virus Research, 2001, 79, 177-185.	2.2	169
12	Focused antibody response to influenza linked to antigenic drift. Journal of Clinical Investigation, 2015, 125, 2631-2645.	8.2	124
13	WHO recommendations for the viruses used in the 2013â€"2014 Northern Hemisphere influenza vaccine: Epidemiology, antigenic and genetic characteristics of influenza A(H1N1)pdm09, A(H3N2) and B influenza viruses collected from October 2012 to January 2013. Vaccine, 2014, 32, 4713-4725.	3.8	102
14	Predictive Modeling of Influenza Shows the Promise of Applied Evolutionary Biology. Trends in Microbiology, 2018, 26, 102-118.	7.7	95
15	The WHO global influenza surveillance and response system (<scp>GISRS</scp>)â€"A future perspective. Influenza and Other Respiratory Viruses, 2018, 12, 551-557.	3.4	91
16	Cell culture-derived influenza vaccines in the severe 2017â€"2018 epidemic season: a step towards improved influenza vaccine effectiveness. Npj Vaccines, 2018, 3, 44.	6.0	90
17	Receptor binding by H10 influenza viruses. Nature, 2014, 511, 475-477.	27.8	69
18	Receptor Binding Properties of the Influenza Virus Hemagglutinin as a Determinant of Host Range. Current Topics in Microbiology and Immunology, 2014, 385, 63-91.	1.1	66

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19	Effects of egg-adaptation on receptor-binding and antigenic properties of recent influenza A (H3N2) vaccine viruses. Journal of General Virology, 2016, 97, 1333-1344.	2.9	66
20	Role of Neuraminidase in Influenza A(H7N9) Virus Receptor Binding. Journal of Virology, 2017, 91, .	3.4	63
21	2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. Archives of Virology, 2021, 166, 3513-3566.	2.1	62
22	Selection of antigenically advanced variants of seasonal influenza viruses. Nature Microbiology, 2016, 1, 16058.	13.3	61
23	The characteristics and antigenic properties of recently emerged subclade 3C.3a and 3C.2a human influenza A(H3N2) viruses passaged in MDCK cells. Influenza and Other Respiratory Viruses, 2017, 11, 263-274.	3.4	61
24	Identification of Low- and High-Impact Hemagglutinin Amino Acid Substitutions That Drive Antigenic Drift of Influenza A(H1N1) Viruses. PLoS Pathogens, 2016, 12, e1005526.	4.7	58
25	Breadth and function of antibody response to acute SARS-CoV-2 infection in humans. PLoS Pathogens, 2021, 17, e1009352.	4.7	56
26	Development of a surveillance scheme for equine influenza in the UK and characterisation of viruses isolated in Europe, Dubai and the USA from 2010â€“2012. Veterinary Microbiology, 2014, 169, 113-127.	1.9	55
27	Biophysical Measurement of the Balance of Influenza A Hemagglutinin and Neuraminidase Activities. Journal of Biological Chemistry, 2015, 290, 6516-6521.	3.4	49
28	Improving the selection and development of influenza vaccine viruses â€“ Report of a WHO informal consultation on improving influenza vaccine virus selection, Hong Kong SAR, China, 18â€“20 November 2015. Vaccine, 2017, 35, 1104-1109.	3.8	44
29	Reduced antibody cross-reactivity following infection with B.1.1.7 than with parental SARS-CoV-2 strains. ELife, 2021, 10, .	6.0	42
30	Optimisation of a microâ€neutralisation assay and its application in antigenic characterisation of influenza viruses. Influenza and Other Respiratory Viruses, 2015, 9, 331-340.	3.4	38
31	Infection and Pathogenesis of Canine, Equine, and Human Influenza Viruses in Canine Tracheas. Journal of Virology, 2014, 88, 9208-9219.	3.4	37
32	Integrating genotypes and phenotypes improves long-term forecasts of seasonal influenza A/H3N2 evolution. ELife, 2020, 9, .	6.0	35
33	Evolution and Divergence of H3N8 Equine Influenza Viruses Circulating in the United Kingdom from 2013 to 2015. Pathogens, 2017, 6, 6.	2.8	33
34	Broadly Inhibiting Antineuraminidase Monoclonal Antibodies Induced by Trivalent Influenza Vaccine and H7N9 Infection in Humans. Journal of Virology, 2020, 94, .	3.4	29
35	Role of the B Allele of Influenza A Virus Segment 8 in Setting Mammalian Host Range and Pathogenicity. Journal of Virology, 2016, 90, 9263-9284.	3.4	26
36	An efficient genome sequencing method for equine influenza [H3N8] virus reveals a new polymorphism in the PA-X protein. Virology Journal, 2014, 11, 159.	3.4	23

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37	Enhanced human receptor binding by H5 haemagglutinins. Virology, 2014, 456-457, 179-187.	2.4	22
38	Detection of Influenza C Virus Infection among Hospitalized Patients, Cameroon. Emerging Infectious Diseases, 2019, 25, 607-609.	4.3	18
39	A Sanger sequencing protocol for SARSâ€CoVâ€2 Sâ€gene. Influenza and Other Respiratory Viruses, 2021, 15, 707-710.	3.4	15
40	Recruitment of dendritic cell progenitors to foci of influenza A virus infection sustains immunity. Science Immunology, 2021, 6, eabi9331.	11.9	14
41	Molecular Characterization of Influenza C Viruses from Outbreaks in Hong Kong SAR, China. Journal of Virology, 2020, 94, .	3.4	13
42	Protective porcine influenza virus-specific monoclonal antibodies recognize similar haemagglutinin epitopes as humans. PLoS Pathogens, 2021, 17, e1009330.	4.7	13
43	Characterization of neutralizing epitopes in antigenic site B of recently circulating influenza A(H3N2) viruses. Journal of General Virology, 2018, 99, 1001-1011.	2.9	13
44	Alternating patterns of seasonal influenza activity in the WHO European Region following the 2009 pandemic, 2010â€2018. Influenza and Other Respiratory Viruses, 2020, 14, 150-161.	3.4	11
45	The importance of influenza vaccination during the COVIDâ€19 pandemic. Influenza and Other Respiratory Viruses, 2022, 16, 3-6.	3.4	11
46	Return of pandemic H1N1 influenza virus. BMC Infectious Diseases, 2014, 14, 710.	2.9	7
47	Virus Pathotype and Deep Sequencing of the HA Gene of a Low Pathogenicity H7N1 Avian Influenza Virus Causing Mortality in Turkeys. PLoS ONE, 2014, 9, e87076.	2.5	7
48	A phospha-oseltamivirâ€“biotin conjugate as a strong and selective adhesive for the influenza virus. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1805-1807.	2.2	6
49	Diversity in the Circulation of Influenza A(H3N2) Viruses in the Northern Hemisphere in the 2018â€“19 Season. Vaccines, 2021, 9, 375.	4.4	6
50	Favorable antibody responses to human coronaviruses in children and adolescents with autoimmune rheumatic diseases. Med, 2021, 2, 1093-1109.e6.	4.4	6
51	Segment 2 from influenza A(H1N1) 2009 pandemic viruses confers temperature-sensitive haemagglutinin yield on candidate vaccine virus growth in eggs that can be epistatically complemented by PB2 701D. Journal of General Virology, 2019, 100, 1079-1092.	2.9	5
52	Temporal and Gene Reassortment Analysis of Influenza C Virus Outbreaks in Hong Kong, SAR, China. Journal of Virology, 2022, 96, JVI0192821.	3.4	5
53	Reduced sialidase activity of influenza A(H3N2) neuraminidase associated with positively charged amino acid substitutions. Journal of General Virology, 2021, 102, .	2.9	4
54	Low Dose Pig Anti-Influenza Virus Monoclonal Antibodies Reduce Lung Pathology but Do Not Prevent Virus Shedding. Frontiers in Immunology, 2021, 12, 790918.	4.8	3

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55	Model to accelerate epidemic responses. Nature, 2017, 542, 414-414.	27.8	2
56	Global Pandemic Preparedness: Optimizing Our Capabilities and the Influenza Experience. Vaccines, 2022, 10, 589.	4.4	1