Amber M Smith

List of Publications by Year
in descending order

26	1,602	471509	552781
papers	citations	17	26
		h-index	g-index
33	33	33	2098
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Time-Dependent Increase in Susceptibility and Severity of Secondary Bacterial Infections During SARS-CoV-2. Frontiers in Immunology, 2022, 13, .	4.8	11
2	Combining SJ733, an oral ATP4 inhibitor of Plasmodium falciparum, with the pharmacokinetic enhancer cobicistat: An innovative approach in antimalarial drug development. EBioMedicine, 2022, 80, 104065.	6.1	4
3	Effect of Vitamin A Deficiency in Dysregulating Immune Responses to Influenza Virus and Increasing Mortality Rates After Bacterial Coinfections. Journal of Infectious Diseases, 2021, 223, 1806-1816.	4.0	13
4	Dynamic Pneumococcal Genetic Adaptations Support Bacterial Growth and Inflammation during Coinfection with Influenza. Infection and Immunity, 2021, 89, e0002321.	2.2	6
5	Dynamically linking influenza virus infection kinetics, lung injury, inflammation, and disease severity. ELife, 2021, 10, .	6.0	34
6	COVID-19 virtual patient cohort suggests immune mechanisms driving disease outcomes. PLoS Pathogens, 2021, 17, e1009753.	4.7	61
7	Quantifying dose-, strain-, and tissue-specific kinetics of parainfluenza virus infection. PLoS Computational Biology, 2021, 17, e1009299.	3.2	5
8	Leveraging Computational Modeling to Understand Infectious Diseases. Current Pathobiology Reports, 2020, 8, 149-161.	3.4	19
9	Safety, tolerability, pharmacokinetics, and antimalarial efficacy of a novel Plasmodium falciparum ATP4 inhibitor SJ733: a first-in-human and induced blood-stage malaria phase 1a/b trial. Lancet Infectious Diseases, The, 2020, 20, 964-975.	9.1	47
10	Parameter and Uncertainty Estimation for Dynamical Systems Using Surrogate Stochastic Processes. SIAM Journal of Scientific Computing, 2019, 41, A2212-A2238.	2.8	8
11	Enhanced IL-1β production is mediated by a TLR2-MYD88-NLRP3 signaling axis during coinfection with influenza A virus and Streptococcus pneumoniae. PLoS ONE, 2019, 14, e0212236.	2.5	26
12	The Unexpected Impact of Vaccines on Secondary Bacterial Infections Following Influenza. Viral Immunology, 2018, 31, 159-173.	1.3	28
13	Validated models of immune response to virus infection. Current Opinion in Systems Biology, 2018, 12, 46-52.	2.6	20
14	Influenza Virus Infection Model With Density Dependence Supports Biphasic Viral Decay. Frontiers in Microbiology, 2018, 9, 1554.	3.5	45
15	Host–pathogen kinetics during influenza infection and coinfection: insights from predictive modeling. Immunological Reviews, 2018, 285, 97-112.	6.0	65
16	Quantifying the therapeutic requirements and potential for combination therapy to prevent bacterial coinfection during influenza. Journal of Pharmacokinetics and Pharmacodynamics, 2017, 44, 81-93.	1.8	13
17	A Critical, Nonlinear Threshold Dictates Bacterial Invasion and Initial Kinetics During Influenza. Scientific Reports, 2016, 6, 38703.	3.3	50
18	Secondary Bacterial Infections in Influenza Virus Infection Pathogenesis. Current Topics in Microbiology and Immunology, 2014, 385, 327-356.	1.1	104

#	Article	IF	Citations
19	Molecular signatures of virulence in the PB1-F2 proteins of H5N1 influenza viruses. Virus Research, 2013, 178, 146-150.	2.2	16
20	Kinetics of Coinfection with Influenza A Virus and Streptococcus pneumoniae. PLoS Pathogens, 2013, 9, e1003238.	4.7	184
21	Mathematical model of a three-stage innate immune response to a pneumococcal lung infection. Journal of Theoretical Biology, 2011, 276, 106-116.	1.7	104
22	Influenza A virus infection kinetics: quantitative data and models. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2011, 3, 429-445.	6.6	136
23	Effect of 1918 PB1-F2 Expression on Influenza A Virus Infection Kinetics. PLoS Computational Biology, 2011, 7, e1001081.	3.2	67
24	An accurate two-phase approximate solution to an acute viral infection model. Journal of Mathematical Biology, 2010, 60, 711-726.	1.9	75
25	Modeling the Viral Dynamics of Influenza A Virus Infection. Critical Reviews in Immunology, 2010, 30, 291-298.	0.5	47
26	Expression of the 1918 Influenza A Virus PB1-F2 Enhances the Pathogenesis of Viral and Secondary Bacterial Pneumonia. Cell Host and Microbe, 2007, 2, 240-249.	11.0	355