

Amber M Smith

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,602
citations

471061

17
h-index

552369

26
g-index

33
all docs

33
docs citations

33
times ranked

2098
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-Dependent Increase in Susceptibility and Severity of Secondary Bacterial Infections During SARS-CoV-2. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	11
2	Combining SJ733, an oral ATP4 inhibitor of <i>Plasmodium falciparum</i> , with the pharmacokinetic enhancer cobicistat: An innovative approach in antimalarial drug development. <i>EBioMedicine</i> , 2022, 80, 104065.	2.7	4
3	Effect of Vitamin A Deficiency in Dysregulating Immune Responses to Influenza Virus and Increasing Mortality Rates After Bacterial Coinfections. <i>Journal of Infectious Diseases</i> , 2021, 223, 1806-1816.	1.9	13
4	Dynamic Pneumococcal Genetic Adaptations Support Bacterial Growth and Inflammation during Coinfection with Influenza. <i>Infection and Immunity</i> , 2021, 89, e0002321.	1.0	6
5	Dynamically linking influenza virus infection kinetics, lung injury, inflammation, and disease severity. <i>ELife</i> , 2021, 10, .	2.8	34
6	COVID-19 virtual patient cohort suggests immune mechanisms driving disease outcomes. <i>PLoS Pathogens</i> , 2021, 17, e1009753.	2.1	61
7	Quantifying dose-, strain-, and tissue-specific kinetics of parainfluenza virus infection. <i>PLoS Computational Biology</i> , 2021, 17, e1009299.	1.5	5
8	Leveraging Computational Modeling to Understand Infectious Diseases. <i>Current Pathobiology Reports</i> , 2020, 8, 149-161.	1.6	19
9	Safety, tolerability, pharmacokinetics, and antimalarial efficacy of a novel <i>Plasmodium falciparum</i> ATP4 inhibitor SJ733: a first-in-human and induced blood-stage malaria phase 1a/b trial. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 964-975.	4.6	47
10	Parameter and Uncertainty Estimation for Dynamical Systems Using Surrogate Stochastic Processes. <i>SIAM Journal of Scientific Computing</i> , 2019, 41, A2212-A2238.	1.3	8
11	Enhanced IL-1 β production is mediated by a TLR2-MYD88-NLRP3 signaling axis during coinfection with influenza A virus and <i>Streptococcus pneumoniae</i> . <i>PLoS ONE</i> , 2019, 14, e0212236.	1.1	26
12	The Unexpected Impact of Vaccines on Secondary Bacterial Infections Following Influenza. <i>Viral Immunology</i> , 2018, 31, 159-173.	0.6	28
13	Validated models of immune response to virus infection. <i>Current Opinion in Systems Biology</i> , 2018, 12, 46-52.	1.3	20
14	Influenza Virus Infection Model With Density Dependence Supports Biphasic Viral Decay. <i>Frontiers in Microbiology</i> , 2018, 9, 1554.	1.5	45
15	Host-pathogen kinetics during influenza infection and coinfection: insights from predictive modeling. <i>Immunological Reviews</i> , 2018, 285, 97-112.	2.8	65
16	Quantifying the therapeutic requirements and potential for combination therapy to prevent bacterial coinfection during influenza. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2017, 44, 81-93.	0.8	13
17	A Critical, Nonlinear Threshold Dictates Bacterial Invasion and Initial Kinetics During Influenza. <i>Scientific Reports</i> , 2016, 6, 38703.	1.6	50
18	Secondary Bacterial Infections in Influenza Virus Infection Pathogenesis. <i>Current Topics in Microbiology and Immunology</i> , 2014, 385, 327-356.	0.7	104

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19	Molecular signatures of virulence in the PB1-F2 proteins of H5N1 influenza viruses. <i>Virus Research</i> , 2013, 178, 146-150.	1.1	16
20	Kinetics of Coinfection with Influenza A Virus and <i>Streptococcus pneumoniae</i> . <i>PLoS Pathogens</i> , 2013, 9, e1003238.	2.1	184
21	Mathematical model of a three-stage innate immune response to a pneumococcal lung infection. <i>Journal of Theoretical Biology</i> , 2011, 276, 106-116.	0.8	104
22	Influenza A virus infection kinetics: quantitative data and models. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2011, 3, 429-445.	6.6	136
23	Effect of 1918 PB1-F2 Expression on Influenza A Virus Infection Kinetics. <i>PLoS Computational Biology</i> , 2011, 7, e1001081.	1.5	67
24	An accurate two-phase approximate solution to an acute viral infection model. <i>Journal of Mathematical Biology</i> , 2010, 60, 711-726.	0.8	75
25	Modeling the Viral Dynamics of Influenza A Virus Infection. <i>Critical Reviews in Immunology</i> , 2010, 30, 291-298.	1.0	47
26	Expression of the 1918 Influenza A Virus PB1-F2 Enhances the Pathogenesis of Viral and Secondary Bacterial Pneumonia. <i>Cell Host and Microbe</i> , 2007, 2, 240-249.	5.1	355