

Jason E Shoemaker

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,140
citations

516710

16
h-index

414414

32
g-index

44
all docs

44
docs citations

44
times ranked

2468
citing authors

#	ARTICLE	IF	CITATIONS
1	Influenza Virus-Host Interactome Screen as a Platform for Antiviral Drug Development. <i>Cell Host and Microbe</i> , 2014, 16, 795-805.	11.0	239
2	CTen: a web-based platform for identifying enriched cell types from heterogeneous microarray data. <i>BMC Genomics</i> , 2012, 13, 460.	2.8	113
3	Multi-spectral fluorescent reporter influenza viruses (Color-flu) as powerful tools for in vivo studies. <i>Nature Communications</i> , 2015, 6, 6600.	12.8	98
4	A comprehensive map of the influenza A virus replication cycle. <i>BMC Systems Biology</i> , 2013, 7, 97.	3.0	97
5	Adding Protein Context to the Human Protein-Protein Interaction Network to Reveal Meaningful Interactions. <i>PLoS Computational Biology</i> , 2013, 9, e1002860.	3.2	70
6	COVID19 Disease Map, a computational knowledge repository of virus-host interaction mechanisms. <i>Molecular Systems Biology</i> , 2021, 17, e10387.	7.2	53
7	Tissue-specific subnetworks and characteristics of publicly available human protein interaction databases. <i>Bioinformatics</i> , 2011, 27, 2414-2421.	4.1	46
8	Disease Severity Is Associated with Differential Gene Expression at the Early and Late Phases of Infection in Nonhuman Primates Infected with Different H5N1 Highly Pathogenic Avian Influenza Viruses. <i>Journal of Virology</i> , 2014, 88, 8981-8997.	3.4	45
9	Network perturbation analysis of gene transcriptional profiles reveals protein targets and mechanism of action of drugs and influenza A viral infection. <i>Nucleic Acids Research</i> , 2018, 46, e34-e34.	14.5	33
10	An Ultrasensitive Mechanism Regulates Influenza Virus-Induced Inflammation. <i>PLoS Pathogens</i> , 2015, 11, e1004856.	4.7	32
11	Chemical hazard prediction and hypothesis testing using quantitative adverse outcome pathways. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2019, 36, 91-102.	1.5	29
12	C646, a Novel p300/CREB-Binding Protein-Specific Inhibitor of Histone Acetyltransferase, Attenuates Influenza A Virus Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 1902-1906.	3.2	25
13	Identifying Fragilities in Biochemical Networks: Robust Performance Analysis of Fas Signaling-Induced Apoptosis. <i>Biophysical Journal</i> , 2008, 95, 2610-2623.	0.5	24
14	Network-Guided Discovery of Influenza Virus Replication Host Factors. <i>MBio</i> , 2018, 9, .	4.1	24
15	Integrated network analysis reveals a novel role for the cell cycle in 2009 pandemic influenza virus-induced inflammation in macaque lungs. <i>BMC Systems Biology</i> , 2012, 6, 117.	3.0	22
16	Fathead minnow steroidogenesis: in silico analyses reveals tradeoffs between nominal target efficacy and robustness to cross-talk. <i>BMC Systems Biology</i> , 2010, 4, 89.	3.0	18
17	Confidence from uncertainty - A multi-target drug screening method from robust control theory. <i>BMC Systems Biology</i> , 2010, 4, 161.	3.0	13
18	Mathematical modeling of the cGAS pathway reveals robustness of DNA sensing to TREX1 feedback. <i>Journal of Theoretical Biology</i> , 2019, 462, 148-157.	1.7	13

#	ARTICLE	IF	CITATIONS
19	The dynamics of single-substrate continuous cultures: the role of transport enzymes. <i>Journal of Theoretical Biology</i> , 2003, 222, 307-322.	1.7	12
20	Identifying problematic drugs based on the characteristics of their targets. <i>Frontiers in Pharmacology</i> , 2015, 6, 186.	3.5	11
21	Agent-based modeling reveals benefits of heterogeneous and stochastic cell populations during cGAS-mediated IFN β production. <i>Bioinformatics</i> , 2021, 37, 1428-1434.	4.1	9
22	Pathogenesis of Influenza A(H7N9) Virus in Aged Nonhuman Primates. <i>Journal of Infectious Diseases</i> , 2020, 222, 1155-1164.	4.0	8
23	Mathematical Modeling of RNA Virus Sensing Pathways Reveals Paracrine Signaling as the Primary Factor Regulating Excessive Cytokine Production. <i>Processes</i> , 2020, 8, 719.	2.8	8
24	Multicellular spatial model of RNA virus replication and interferon responses reveals factors controlling plaque growth dynamics. <i>PLoS Computational Biology</i> , 2021, 17, e1008874.	3.2	8
25	A dual controllability analysis of influenza virus-host protein-protein interaction networks for antiviral drug target discovery. <i>BMC Bioinformatics</i> , 2019, 20, 297.	2.6	7
26	Repurposing the psoriasis drug Oxarol to an ointment adjuvant for the influenza vaccine. <i>International Immunology</i> , 2020, 32, 499-507.	4.0	7
27	A Systems and Treatment Perspective of Models of Influenza Virus-Induced Host Responses. <i>Processes</i> , 2018, 6, 138.	2.8	6
28	Examining Dynamic Emergent Properties of the DNA Sensing Pathway. <i>IFAC-PapersOnLine</i> , 2018, 51, 112-113.	0.9	5
29	Network Controllability-Based Prioritization of Candidates for SARS-CoV-2 Drug Repositioning. <i>Viruses</i> , 2020, 12, 1087.	3.3	3
30	Automatic Control in Systems Biology. , 2009, , 1335-1360.		2
31	Mathematical Modeling Finds Disparate Interferon Production Rates Drive Strain-Specific Immunodynamics during Deadly Influenza Infection. <i>Viruses</i> , 2022, 14, 906.	3.3	2
32	TREAP: A New Topological Approach to Drug Target Inference. <i>Biophysical Journal</i> , 2020, 119, 2290-2298.	0.5	1
33	Predicting host immune cell dynamics using tissue gene expression. <i>IFAC-PapersOnLine</i> , 2018, 51, 5-6.	0.9	0
34	Predicting Host Immune Cell Dynamics and Key Disease-Associated Genes Using Tissue Transcriptional Profiles. <i>Processes</i> , 2019, 7, 301.	2.8	0
35	Strain-Specific Immune Response to Influenza Virus Infection. <i>IFAC-PapersOnLine</i> , 2019, 52, 101-106.	0.9	0
36	DeltaNeTS+: elucidating the mechanism of drugs and diseases using gene expression and transcriptional regulatory networks. <i>BMC Bioinformatics</i> , 2021, 22, 108.	2.6	0