

Bryan C Mounce

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,606
citations

394286

19
h-index

360920

35
g-index

44
all docs

44
docs citations

44
times ranked

2758
citing authors

#	ARTICLE	IF	CITATIONS
1	Curcumin inhibits Zika and chikungunya virus infection by inhibiting cell binding. <i>Antiviral Research</i> , 2017, 142, 148-157.	1.9	246
2	Masitinib is a broad coronavirus 3CL inhibitor that blocks replication of SARS-CoV-2. <i>Science</i> , 2021, 373, 931-936.	6.0	173
3	Interferon-Induced Spermidine-Spermine Acetyltransferase and Polyamine Depletion Restrict Zika and Chikungunya Viruses. <i>Cell Host and Microbe</i> , 2016, 20, 167-177.	5.1	105
4	Whole-Genome Sequencing Analysis from the Chikungunya Virus Caribbean Outbreak Reveals Novel Evolutionary Genomic Elements. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004402.	1.3	96
5	ZIKA virus elicits P53 activation and genotoxic stress in human neural progenitors similar to mutations involved in severe forms of genetic microcephaly and p53. <i>Cell Death and Disease</i> , 2016, 7, e2440-e2440.	2.7	88
6	Polyamines and Their Role in Virus Infection. <i>Microbiology and Molecular Biology Reviews</i> , 2017, 81, .	2.9	82
7	Attenuation of RNA viruses by redirecting their evolution in sequence space. <i>Nature Microbiology</i> , 2017, 2, 17088.	5.9	77
8	Inhibition of Polyamine Biosynthesis Is a Broad-Spectrum Strategy against RNA Viruses. <i>Journal of Virology</i> , 2016, 90, 9683-9692.	1.5	71
9	Low-Fidelity Polymerases of Alphaviruses Recombine at Higher Rates To Overproduce Defective Interfering Particles. <i>Journal of Virology</i> , 2016, 90, 2446-2454.	1.5	57
10	Diverse Functions of Polyamines in Virus Infection. <i>Biomolecules</i> , 2020, 10, 628.	1.8	53
11	Interferon Regulatory Factor 1 Restricts Gammaherpesvirus Replication in Primary Immune Cells. <i>Journal of Virology</i> , 2014, 88, 6993-7004.	1.5	51
12	Imaging of viral neuroinvasion in the zebrafish reveals that Sindbis and chikungunya viruses favour different entry routes. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 847-857.	1.2	46
13	Chikungunya Virus Overcomes Polyamine Depletion by Mutation of nsP1 and the Opal Stop Codon To Confer Enhanced Replication and Fitness. <i>Journal of Virology</i> , 2017, 91, .	1.5	35
14	Ataxia Telangiectasia Mutated Kinase Controls Chronic Gammaherpesvirus Infection. <i>Journal of Virology</i> , 2012, 86, 12826-12837.	1.5	34
15	Uptake and metabolism of arginine impact Plasmodium development in the liver. <i>Scientific Reports</i> , 2017, 7, 4072.	1.6	29
16	Ribavirin Induces Polyamine Depletion via Nucleotide Depletion to Limit Virus Replication. <i>Cell Reports</i> , 2019, 28, 2620-2633.e4.	2.9	27
17	Targeting Polyamines Inhibits Coronavirus Infection by Reducing Cellular Attachment and Entry. <i>ACS Infectious Diseases</i> , 2021, 7, 1423-1432.	1.8	26
18	Coordinate Regulation of DNA Damage and Type I Interferon Responses Imposes an Antiviral State That Attenuates Mouse Gammaherpesvirus Type 68 Replication in Primary Macrophages. <i>Journal of Virology</i> , 2012, 86, 6899-6912.	1.5	25

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19	Novel Ionophores Active against La Crosse Virus Identified through Rapid Antiviral Screening. Antimicrobial Agents and Chemotherapy, 2020, 64, .	1.4	23
20	Mouse gammaherpesvirus-68 infection acts as a rheostat to set the level of type I interferon signaling in primary macrophages. Virology, 2013, 443, 123-133.	1.1	21
21	Gammaherpesvirus gene expression and DNA synthesis are facilitated by viral protein kinase and histone variant H2AX. Virology, 2011, 420, 73-81.	1.1	20
22	Coxsackievirus B3 Responds to Polyamine Depletion via Enhancement of 2A and 3C Protease Activity. Viruses, 2019, 11, 403.	1.5	20
23	Polyamine Depletion Inhibits Bunyavirus Infection via Generation of Noninfectious Interfering Virions. Journal of Virology, 2019, 93, .	1.5	20
24	Murine Gammaherpesvirus 68 Pathogenesis Is Independent of Caspase-1 and Caspase-11 in Mice and Impairs Interleukin-1 β Production upon Extrinsic Stimulation in Culture. Journal of Virology, 2015, 89, 6562-6574.	1.5	19
25	Primary Macrophages Rely on Histone Deacetylase 1 and 2 Expression To Induce Type I Interferon in Response to Gammaherpesvirus Infection. Journal of Virology, 2014, 88, 2268-2278.	1.5	17
26	Polyamine Depletion Abrogates Enterovirus Cellular Attachment. Journal of Virology, 2019, 93, .	1.5	17
27	Dynamic association of gammaherpesvirus DNA with core histone during de novo lytic infection of primary cells. Virology, 2011, 421, 167-172.	1.1	14
28	A Conserved Gammaherpesvirus Protein Kinase Targets Histone Deacetylases 1 and 2 To Facilitate Viral Replication in Primary Macrophages. Journal of Virology, 2013, 87, 7314-7325.	1.5	14
29	Virion-Associated Polyamines Transmit with Bunyaviruses to Maintain Infectivity and Promote Entry. ACS Infectious Diseases, 2020, 6, 2490-2501.	1.8	14
30	ATM facilitates mouse gammaherpesvirus reactivation from myeloid cells during chronic infection. Virology, 2015, 483, 264-274.	1.1	10
31	High-Throughput Fluorescence-Based Screen Identifies the Neuronal MicroRNA miR-124 as a Positive Regulator of Alphavirus Infection. Journal of Virology, 2020, 94, .	1.5	10
32	Polyamine Analog Diethylnorspermidine Restricts Coxsackievirus B3 and Is Overcome by 2A Protease Mutation In Vitro. Viruses, 2021, 13, 310.	1.5	10
33	Residue-Specific Contact Order and Contact Breadth in Single-Domain Proteins: Implications for Folding as a Function of Chain Elongation. Biotechnology Progress, 2008, 24, 570-575.	1.3	9
34	Nonrandom distribution of intramolecular contacts in native single-domain proteins. Proteins: Structure, Function and Bioinformatics, 2009, 75, 404-412.	1.5	6
35	Polyamine-Linked Cholesterol Incorporation in Rift Valley Fever Virus Particles Promotes Infectivity. ACS Infectious Diseases, 0, , .	1.8	3
36	Bisacodyl Limits Chikungunya Virus Replication <i>In Vitro</i> and Is Broadly Antiviral. Antimicrobial Agents and Chemotherapy, 0, , .	1.4	0