Brian D Carey

List of Publications by Citations

49 papers	1,135 citations	19 h-index	33 g-index
49 ext. papers	1,495 ext. citations	6.3 avg, IF	4.33 L-index

#	Paper	IF	Citations
49	Viral concentration determination through plaque assays: using traditional and novel overlay systems. *Journal of Visualized Experiments*, **2014**, e52065	1.6	168
48	Human angiotensin-converting enzyme 2 transgenic mice infected with SARS-CoV-2 develop severe and fatal respiratory disease. *JCI Insight*, **2020**, 5,	9.9	115
47	Nuclear import and export inhibitors alter capsid protein distribution in mammalian cells and reduce Venezuelan Equine Encephalitis Virus replication. *Antiviral Research*, **2013**, 100, 662-72	10.8	113
46	Induction of DNA damage signaling upon Rift Valley fever virus infection results in cell cycle arrest and increased viral replication. *Journal of Biological Chemistry*, **2012**, 287, 7399-410	5.4	53
45	The use of Nanotrap particles technology in capturing HIV-1 virions and viral proteins from infected cells. *PLoS ONE*, **2014**, 9, e96778	3.7	43
44	Modulation of GSK-3 activity in Venezuelan equine encephalitis virus infection. *PLoS ONE*, **2012**, 7, e34761	3.7	42
43	Reverse-phase phosphoproteome analysis of signaling pathways induced by Rift valley fever virus in human small airway epithelial cells. *PLoS ONE*, **2010**, 5, e13805	3.7	42
42	p53 Activation following Rift Valley fever virus infection contributes to cell death and viral production. *PLoS ONE*, **2012**, 7, e36327	3.7	40
41	Venezuelan Equine Encephalitis Virus Induces Apoptosis through the Unfolded Protein Response Activation of EGR1. *Journal of Virology*, **2016**, 90, 3558-72	6.6	33
40	Selective Inhibitor of Nuclear Export (SINE) Compounds Alter New World Alphavirus Capsid Localization and Reduce Viral Replication in Mammalian Cells. *PLoS Neglected Tropical Diseases*, **2016**, 10, e0005122	4.8	28
39	Discovery of Novel Small-Molecule Inhibitors of LIM Domain Kinase for Inhibiting HIV-1. *Journal of Virology*, **2017**, 91,	6.6	27
38	Repurposing FDA-approved drugs as therapeutics to treat Rift Valley fever virus infection. *Frontiers in Microbiology*, **2015**, 6, 676	5.7	26
37	The role of IKK in Venezuelan equine encephalitis virus infection. *PLoS ONE*, **2014**, 9, e86745	3.7	26
36	Repurposed FDA-Approved drug sorafenib reduces replication of Venezuelan equine encephalitis virus and other alphaviruses. *Antiviral Research*, **2018**, 157, 57-67	10.8	24
35	Ablation of Programmed -1 Ribosomal Frameshifting in Venezuelan Equine Encephalitis Virus Results in Attenuated Neuropathogenicity. *Journal of Virology*, **2017**, 91,	6.6	24
34	1E7-03, a low MW compound targeting host protein phosphatase-1, inhibits HIV-1 transcription. *British Journal of Pharmacology*, **2014**, 171, 5059-75	8.6	21
33	The use of Nanotrap particles for biodefense and emerging infectious disease diagnostics. *Pathogens and Disease*, **2014**, 71, 164-76	4.2	20

32	The use of NanoTrap particles as a sample enrichment method to enhance the detection of Rift Valley Fever Virus. *PLoS Neglected Tropical Diseases*, **2013**, 7, e2296	4.8	20
31	The ubiquitin proteasome system plays a role in venezuelan equine encephalitis virus infection. *PLoS ONE*, **2015**, 10, e0124792	3.7	20
30	Small molecule inhibitors of Ago2 decrease Venezuelan equine encephalitis virus replication. *Antiviral Research*, **2014**, 112, 26-37	10.8	19
29	Venezuelan Equine Encephalitis Virus Capsid-The Clever Caper. *Viruses*, **2017**, 9,	6.2	19
28	Novel inhibitors targeting Venezuelan equine encephalitis virus capsid protein identified using In Silico Structure-Based-Drug-Design. *Scientific Reports*, **2017**, 7, 17705	4.9	18
27	Identification of novel antivirals inhibiting recognition of Venezuelan equine encephalitis virus capsid protein by the Importin 1 heterodimer through high-throughput screening. *Antiviral Research*, **2018**, 151, 8-19	10.8	16
26	Inhibition of host extracellular signal-regulated kinase (ERK) activation decreases new world alphavirus multiplication in infected cells. *Virology*, **2014**, 468-470, 490-503	3.6	16
25	Phloretin inhibits Zika virus infection by interfering with cellular glucose utilisation. *International Journal of Antimicrobial Agents*, **2019**, 54, 80-84	14.3	15
24	The Pro-Inflammatory Chemokines CXCL9, CXCL10 and CXCL11 Are Upregulated Following SARS-CoV-2 Infection in an AKT-Dependent Manner. *Viruses*, **2021**, 13,	6.2	15
23	Rapamycin modulation of p70 S6 kinase signaling inhibits Rift Valley fever virus pathogenesis. *Antiviral Research*, **2017**, 143, 162-175	10.8	14
22	New World alphavirus protein interactomes from a therapeutic perspective. *Antiviral Research*, **2019**, 163, 125-139	10.8	13
21	Protein Phosphatase-1 regulates Rift Valley fever virus replication. *Antiviral Research*, **2016**, 127, 79-89	10.8	13
20	Sorafenib Impedes Rift Valley Fever Virus Egress by Inhibiting Valosin-Containing Protein Function in the Cellular Secretory Pathway. *Journal of Virology*, **2017**, 91,	6.6	13
19	The use of Nanotrap particles in the enhanced detection of Rift Valley fever virus nucleoprotein. *PLoS ONE*, **2015**, 10, e0128215	3.7	11
18	EGR1 upregulation following Venezuelan equine encephalitis virus infection is regulated by ERK and PERK pathways contributing to cell death. *Virology*, **2020**, 539, 121-128	3.6	10
17	Enhanced detection of respiratory pathogens with nanotrap particles. *Virulence*, **2016**, 7, 756-69	4.7	9
16	Protein Phosphatase 1 Interacts with Venezuelan Equine Encephalitis Virus Capsid Protein and Regulates Viral Replication through Modulation of Capsid Phosphorylation. *Journal of Virology*, **2018**, 92,	6.6	9
15	Phosphoproteomic analysis reveals Smad protein family activation following Rift Valley fever virus infection. *PLoS ONE*, **2018**, 13, e0191983	3.7	7

14	Venezuelan Equine Encephalitis Virus Capsid Implicated in Infection-Induced Cell Cycle Delay. *Frontiers in Microbiology*, **2018**, 9, 3126	5.7	7
13	Human angiotensin-converting enzyme 2 transgenic mice infected with SARS-CoV-2 develop severe and fatal respiratory disease		5
12	Use of Nanotrap particles for the capture and enrichment of Zika, chikungunya and dengue viruses in urine. *PLoS ONE*, **2020**, 15, e0227058	3.7	5
11	Combination Kinase Inhibitor Treatment Suppresses Rift Valley Fever Virus Replication. *Viruses*, **2018**, 10,	6.2	4
10	Protein Kinase C subtype interacts with Venezuelan equine encephalitis virus capsid protein and regulates viral RNA binding through modulation of capsid phosphorylation. *PLoS Pathogens*, **2020**, 16, e1008282	7.6	3
9	Proteomic Discovery of VEEV E2-Host Partner Interactions Identifies GRP78 Inhibitor HA15 as a Potential Therapeutic for Alphavirus Infections. *Pathogens*, **2021**, 10,	4.5	3
8	Resveratrol Inhibits Venezuelan Equine Encephalitis Virus Infection by Interfering with the AKT/GSK Pathway. *Plants*, **2021**, 10,	4.5	2
7	Homoseongomycin, a compound isolated from marine actinomycete bacteria K3-1, is a potent inhibitor of encephalitic alphaviruses. *Antiviral Research*, **2021**, 191, 105087	10.8	2
6	PERK Is Critical for Alphavirus Nonstructural Protein Translation. *Viruses*, **2021**, 13,	6.2	1
5	Host-based processes as therapeutic targets for Rift Valley fever virus. *Antiviral Research*, **2018**, 160, 64-78	10.8	1
4	Comparison of transcriptional responses between pathogenic and nonpathogenic hantavirus infections in Syrian hamsters using NanoString. *PLoS Neglected Tropical Diseases*, **2021**, 15, e0009592	4.8	0
3	The host inflammatory response contributes to disease severity in Crimean-Congo hemorrhagic fever virus infected mice.. *PLoS Pathogens*, **2022**, 18, e1010485	7.6	0
2	EGR1 Upregulation during Encephalitic Viral Infections Contributes to Inflammation and Cell Death. *Viruses*, **2022**, 14, 1210	6.2	0
1	Use of magnetic nanotrap particles in capturing Yersinia pestis virulence factors, nucleic acids and bacteria. *Journal of Nanobiotechnology*, **2021**, 19, 186	9.4	