

Stephanie A Booth

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57 papers	1,812 citations	21 h-index	42 g-index
64 ext. papers	2,193 ext. citations	5.4 avg, IF	4.89 L-index

#	Paper	IF	Citations
57	MicroRNA-146a: A Dominant, Negative Regulator of the Innate Immune Response. <i>Frontiers in Immunology</i> , 2014 , 5, 578	8.4	220
56	A miRNA signature of prion induced neurodegeneration. <i>PLoS ONE</i> , 2008 , 3, e3652	3.7	199
55	MicroRNA 146a (miR-146a) is over-expressed during prion disease and modulates the innate immune response and the microglial activation state. <i>PLoS ONE</i> , 2012 , 7, e30832	3.7	119
54	Cellular prion protein is released on exosomes from activated platelets. <i>Blood</i> , 2006 , 107, 3907-11	2.2	108
53	MicroRNAs in Neuroinflammation: Implications in Disease Pathogenesis, Biomarker Discovery and Therapeutic Applications. <i>Non-coding RNA</i> , 2019 , 5,	7.1	104
52	protection against ZIKV infection and pathogenesis through passive antibody transfer and active immunisation with a prMEnv DNA vaccine. <i>Npj Vaccines</i> , 2016 , 1, 16021	9.5	101
51	DNA vaccination protects mice against Zika virus-induced damage to the testes. <i>Nature Communications</i> , 2017 , 8, 15743	17.4	76
50	MicroRNA abundance is altered in synaptoneurosomes during prion disease. <i>Molecular and Cellular Neurosciences</i> , 2016 , 71, 13-24	4.8	75
49	Early mechanisms of pathobiology are revealed by transcriptional temporal dynamics in hippocampal CA1 neurons of prion infected mice. <i>PLoS Pathogens</i> , 2012 , 8, e1003002	7.6	72
48	Identification of central nervous system genes involved in the host response to the scrapie agent during preclinical and clinical infection. <i>Journal of General Virology</i> , 2004 , 85, 3459-3471	4.9	67
47	Comprehensive transcriptional profiling of prion infection in mouse models reveals networks of responsive genes. <i>BMC Genomics</i> , 2008 , 9, 114	4.5	66
46	MicroRNA and mRNA Dysregulation in Astrocytes Infected with Zika Virus. <i>Viruses</i> , 2017 , 9,	6.2	43
45	Establishment and characterization of a lethal mouse model for the Angola strain of Marburg virus. <i>Journal of Virology</i> , 2014 , 88, 12703-14	6.6	41
44	Cellular prion protein regulates its own Ecleavage through ADAM8 in skeletal muscle. <i>Journal of Biological Chemistry</i> , 2012 , 287, 16510-20	5.4	35
43	Design of oligonucleotide arrays to detect point mutations: molecular typing of antibiotic resistant strains of <i>Neisseria gonorrhoeae</i> and hantavirus infected deer mice. <i>Molecular and Cellular Probes</i> , 2003 , 17, 77-84	3.3	35
42	SARS-CoV 9b protein diffuses into nucleus, undergoes active Crm1 mediated nucleocytoplasmic export and triggers apoptosis when retained in the nucleus. <i>PLoS ONE</i> , 2011 , 6, e19436	3.7	30
41	Molecular classification of scrapie strains in mice using gene expression profiling. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 325, 1339-45	3.4	29

40	Inducible overexpression of wild-type prion protein in the muscles leads to a primary myopathy in transgenic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 6800-5	11.5	27
39	Intramuscular Adeno-Associated Virus-Mediated Expression of Monoclonal Antibodies Provides 100% Protection Against Ebola Virus Infection in Mice. <i>Journal of Infectious Diseases</i> , 2018 , 217, 916-925	7	23
38	Target labelling for the detection and profiling of microRNAs expressed in CNS tissue using microarrays. <i>BMC Biotechnology</i> , 2006 , 6, 47	3.5	23
37	Induction of Multiple miR-200/182 Members in the Brains of Mice Are Associated with Acute Herpes Simplex Virus 1 Encephalitis. <i>PLoS ONE</i> , 2017 , 12, e0169081	3.7	21
36	A Novel Triple-Mutant AAV6 Capsid Induces Rapid and Potent Transgene Expression in the Muscle and Respiratory Tract of Mice. <i>Molecular Therapy - Methods and Clinical Development</i> , 2018 , 9, 323-329	6.4	21
35	Phosphorylation of prion protein at serine 43 induces prion protein conformational change. <i>Journal of Neuroscience</i> , 2009 , 29, 8743-51	6.6	20
34	Human polyclonal antibodies produced in transchromosomal cattle prevent lethal Zika virus infection and testicular atrophy in mice. <i>Antiviral Research</i> , 2017 , 146, 164-173	10.8	19
33	Downregulation of circulating miR 802-5p and miR 194-5p and upregulation of brain MEF2C along breast cancer brain metastasization. <i>Molecular Oncology</i> , 2020 , 14, 520-538	7.9	18
32	MicroRNA-16 targets mRNA involved in neurite extension and branching in hippocampal neurons during presymptomatic prion disease. <i>Neurobiology of Disease</i> , 2018 , 112, 1-13	7.5	16
31	Application of "omics" to prion biomarker discovery. <i>Journal of Biomedicine and Biotechnology</i> , 2010 , 2010, 613504		16
30	A recombinant vesicular stomatitis-based Lassa fever vaccine elicits rapid and long-term protection from lethal Lassa virus infection in guinea pigs. <i>Npj Vaccines</i> , 2019 , 4, 8	9.5	15
29	Identification of novel risk loci and causal insights for sporadic Creutzfeldt-Jakob disease: a genome-wide association study. <i>Lancet Neurology</i> , 2020 , 19, 840-848	24.1	15
28	A functional SNP catalog of overlapping miRNA-binding sites in genes implicated in prion disease and other neurodegenerative disorders. <i>Human Mutation</i> , 2014 , 35, 1233-48	4.7	13
27	The emerging use of in vivo optical imaging in the study of neurodegenerative diseases. <i>BioMed Research International</i> , 2014 , 2014, 401306	3	12
26	Activation of p53-regulated pro-apoptotic signaling pathways in PrP-mediated myopathy. <i>BMC Genomics</i> , 2009 , 10, 201	4.5	11
25	Establishment of an RNA polymerase II-driven reverse genetics system for Nipah virus strains from Malaysia and Bangladesh. <i>Scientific Reports</i> , 2019 , 9, 11171	4.9	10
24	Claudin 1 Expression Levels Affect miRNA Dynamics in Human Basal-Like Breast Cancer Cells. <i>DNA and Cell Biology</i> , 2016 , 35, 328-39	3.6	10
23	Vesicular Stomatitis Virus-Based Vaccines Provide Cross-Protection against Andes and Sin Nombre Viruses. <i>Viruses</i> , 2019 , 11,	6.2	9

22	The cell type resolved mouse transcriptome in neuron-enriched brain tissues from the hippocampus and cerebellum during prion disease. <i>Scientific Reports</i> , 2019 , 9, 1099	4.9	9
21	Computational methodologies for studying non-coding RNAs relevant to central nervous system function and dysfunction. <i>Brain Research</i> , 2010 , 1338, 131-45	3.7	8
20	Identification of circulating microRNA signatures as potential biomarkers in the serum of elk infected with chronic wasting disease. <i>Scientific Reports</i> , 2019 , 9, 19705	4.9	8
19	Small RNA drugs for prion disease: a new frontier. <i>Expert Opinion on Drug Discovery</i> , 2013 , 8, 1265-84	6.2	7
18	Dual RNA-Seq characterization of host and pathogen gene expression in liver cells infected with Crimean-Congo Hemorrhagic Fever Virus. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008105	4.8	6
17	Exposure Risk of Chronic Wasting Disease in Humans. <i>Viruses</i> , 2020 , 12,	6.2	5
16	Transcriptional modulation in a leukocyte-depleted splenic cell population during prion disease. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2011 , 74, 1504-20	3.2	5
15	Characterization of a novel STAT 2 knock-out hamster model of Crimean-Congo hemorrhagic fever virus pathogenesis. <i>Scientific Reports</i> , 2020 , 10, 12378	4.9	5
14	Microdissection and transcriptional profiling: a window into the pathobiology of preclinical prion disease. <i>Prion</i> , 2014 , 8, 67-74	2.3	4
13	Intranasal vaccination with a Newcastle disease virus-vectored vaccine protects hamsters from SARS-CoV-2 infection and disease. <i>iScience</i> , 2021 , 24, 103219	6.1	4
12	The Role of MicroRNAs in Neurodegenerative Diseases: Implications for Early Detection and Treatment 2012 , 443-473		4
11	Activation of pro-survival CaMK4/CREB and pro-death MST1 signaling at early and late times during a mouse model of prion disease. <i>Virology Journal</i> , 2014 , 11, 160	6.1	3
10	A user-friendly computational workflow for the analysis of microRNA deep sequencing data. <i>Methods in Molecular Biology</i> , 2013 , 936, 35-45	1.4	3
9	Polymorphisms affecting miRNA regulation: a new level of genetic variation affecting disorders and diseases of the human CNS. <i>Future Neurology</i> , 2013 , 8, 411-431	1.5	3
8	Quantitative reverse-transcription polymerase chain reaction analysis of Alzheimer's-associated genes in mouse scrapie. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2009 , 72, 1075-82	3.2	3
7	Differential pathogenesis between Andes virus strains CHI-7913 and Chile-9717869 in Syrian Hamsters. <i>Journal of Virology</i> , 2021 ,	6.6	2
6	Isolation of Viral-Infected Brain Regions for miRNA Profiling from Formalin-Fixed Paraffin-Embedded Tissues by Laser Capture Microdissection. <i>Methods in Molecular Biology</i> , 2018 , 1733, 41-51	1.4	1
5	Application of DNA array technology for diagnostic microbiology. <i>Canadian Journal of Infectious Diseases & Medical Microbiology</i> , 2000 , 11, 291-4		1

4	miR-196a: is it the Silver bullet against Huntington's disease?. <i>Future Neurology</i> , 2014 , 9, 27-31	1.5
3	Profiling of MicroRNA and Protein from Purified Synaptoneurosomes in a Neurodegenerative Disease Model. <i>Neuromethods</i> , 2018 , 253-267	0.4
2	Single Immunization with Recombinant ACAM2000 Vaccinia Viruses Expressing the Spike and the Nucleocapsid Proteins Protects Hamsters against SARS-CoV-2-Caused Clinical Disease.. <i>Journal of Virology</i> , 2022 , e0038922	6.6
1	Non-Productive Infection of Glial Cells with SARS-CoV-2 in Hamster Organotypic Cerebellar Slice Cultures. <i>Viruses</i> , 2022 , 14, 1218	6.2