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. *Frontiers in Immunology*, **2014**, 5, 578	8.4	220
56	A miRNA signature of prion induced neurodegeneration. *PLoS ONE*, **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. *PLoS ONE*, **2012**, 7, e30832	3.7	119
54	Cellular prion protein is released on exosomes from activated platelets. *Blood*, **2006**, 107, 3907-11	2.2	108
53	MicroRNAs in Neuroinflammation: Implications in Disease Pathogenesis, Biomarker Discovery and Therapeutic Applications. *Non-coding RNA*, **2019**, 5,	7.1	104
52	protection against ZIKV infection and pathogenesis through passive antibody transfer and active immunisation with a prMEnv DNA vaccine. *Npj Vaccines*, **2016**, 1, 16021	9.5	101
51	DNA vaccination protects mice against Zika virus-induced damage to the testes. *Nature Communications*, **2017**, 8, 15743	17.4	76
50	MicroRNA abundance is altered in synaptoneurosomes during prion disease. *Molecular and Cellular Neurosciences*, **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. *PLoS Pathogens*, **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. *Journal of General Virology*, **2004**, 85, 3459-3471	4.9	67
47	Comprehensive transcriptional profiling of prion infection in mouse models reveals networks of responsive genes. *BMC Genomics*, **2008**, 9, 114	4.5	66
46	MicroRNA and mRNA Dysregulation in Astrocytes Infected with Zika Virus. *Viruses*, **2017**, 9,	6.2	43
45	Establishment and characterization of a lethal mouse model for the Angola strain of Marburg virus. *Journal of Virology*, **2014**, 88, 12703-14	6.6	41
44	Cellular prion protein regulates its own cleavage through ADAM8 in skeletal muscle. *Journal of Biological Chemistry*, **2012**, 287, 16510-20	5.4	35
43	Design of oligonucleotide arrays to detect point mutations: molecular typing of antibiotic resistant strains of Neisseria gonorrhoeae and hantavirus infected deer mice. *Molecular and Cellular Probes*, **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. *PLoS ONE*, **2011**, 6, e19436	3.7	30
41	Molecular classification of scrapie strains in mice using gene expression profiling. *Biochemical and Biophysical Research Communications*, **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. *Proceedings of the National Academy of Sciences of the United States of America*, **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. *Journal of Infectious Diseases*, **2018**, 217, 916-925	7	23
38	Target labelling for the detection and profiling of microRNAs expressed in CNS tissue using microarrays. *BMC Biotechnology*, **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. *PLoS ONE*, **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. *Molecular Therapy - Methods and Clinical Development*, **2018**, 9, 323-329	6.4	21
35	Phosphorylation of prion protein at serine 43 induces prion protein conformational change. *Journal of Neuroscience*, **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. *Antiviral Research*, **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. *Molecular Oncology*, **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. *Neurobiology of Disease*, **2018**, 112, 1-13	7.5	16
31	Application of "omics" to prion biomarker discovery. *Journal of Biomedicine and Biotechnology*, **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. *Npj Vaccines*, **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. *Lancet Neurology, The*, **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. *Human Mutation*, **2014**, 35, 1233-48	4.7	13
27	The emerging use of in vivo optical imaging in the study of neurodegenerative diseases. *BioMed Research International*, **2014**, 2014, 401306	3	12
26	Activation of p53-regulated pro-apoptotic signaling pathways in PrP-mediated myopathy. *BMC Genomics*, **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. *Scientific Reports*, **2019**, 9, 11171	4.9	10
24	Claudin 1 Expression Levels Affect miRNA Dynamics in Human Basal-Like Breast Cancer Cells. *DNA and Cell Biology*, **2016**, 35, 328-39	3.6	10
23	Vesicular Stomatitis Virus-Based Vaccines Provide Cross-Protection against Andes and Sin Nombre Viruses. *Viruses*, **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. *Scientific Reports*, **2019**, 9, 1099	4.9	9
21	Computational methodologies for studying non-coding RNAs relevant to central nervous system function and dysfunction. *Brain Research*, **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. *Scientific Reports*, **2019**, 9, 19705	4.9	8
19	Small RNA drugs for prion disease: a new frontier. *Expert Opinion on Drug Discovery*, **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. *PLoS Neglected Tropical Diseases*, **2020**, 14, e0008105	4.8	6
17	Exposure Risk of Chronic Wasting Disease in Humans. *Viruses*, **2020**, 12,	6.2	5
16	Transcriptional modulation in a leukocyte-depleted splenic cell population during prion disease. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **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. *Scientific Reports*, **2020**, 10, 12378	4.9	5
14	Microdissection and transcriptional profiling: a window into the pathobiology of preclinical prion disease. *Prion*, **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. *IScience*, **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. *Virology Journal*, **2014**, 11, 160	6.1	3
10	A user-friendly computational workflow for the analysis of microRNA deep sequencing data. *Methods in Molecular Biology*, **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. *Future Neurology*, **2013**, 8, 411-431	1.5	3
8	Quantitative reverse-transcription polymerase chain reaction analysis of Alzheimer's-associated genes in mouse scrapie. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2009** , 72, 1075-82	3.2	3
7	Differential pathogenesis between Andes virus strains CHI-7913 and Chile-9717869in Syrian Hamsters. *Journal of Virology*, **2021**,	6.6	2
6	Isolation of Viral-Infected Brain Regions for miRNA Profiling from Formalin-Fixed Paraffin-Embedded Tissues by Laser Capture Microdissection. *Methods in Molecular Biology*, **2018**, 1733, 41-51	1.4	1
5	Application of DNA array technology for diagnostic microbiology. *Canadian Journal of Infectious Diseases & Medical Microbiology*, **2000**, 11, 291-4		1

4	miR-196a: is it the silver bullet against Huntington's disease?. *Future Neurology*, **2014**, 9, 27-31	1.5
3	Profiling of MicroRNA and Protein from Purified Synaptoneurosomes in a Neurodegenerative Disease Model. *Neuromethods*, **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.. *Journal of Virology*, **2022**, e0038922	6.6
1	Non-Productive Infection of Glial Cells with SARS-CoV-2 in Hamster Organotypic Cerebellar Slice Cultures. *Viruses*, **2022**, 14, 1218	6.2