

# Stephanie A Booth

## List of Publications by Year in Descending Order

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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	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> , <b>2022</b> , e0038922	6.6	
56	Non-Productive Infection of Glial Cells with SARS-CoV-2 in Hamster Organotypic Cerebellar Slice Cultures. <i>Viruses</i> , <b>2022</b> , 14, 1218	6.2	
55	Intranasal vaccination with a Newcastle disease virus-vectored vaccine protects hamsters from SARS-CoV-2 infection and disease. <i>IScience</i> , <b>2021</b> , 24, 103219	6.1	4
54	Differential pathogenesis between Andes virus strains CHI-7913 and Chile-9717869 in Syrian Hamsters. <i>Journal of Virology</i> , <b>2021</b> ,	6.6	2
53	Exposure Risk of Chronic Wasting Disease in Humans. <i>Viruses</i> , <b>2020</b> , 12,	6.2	5
52	Downregulation of circulating miR 802-5p and miR 194-5p and upregulation of brain MEF2C along breast cancer brain metastasization. <i>Molecular Oncology</i> , <b>2020</b> , 14, 520-538	7.9	18
51	Characterization of a novel STAT 2 knock-out hamster model of Crimean-Congo hemorrhagic fever virus pathogenesis. <i>Scientific Reports</i> , <b>2020</b> , 10, 12378	4.9	5
50	Identification of novel risk loci and causal insights for sporadic Creutzfeldt-Jakob disease: a genome-wide association study. <i>Lancet Neurology</i> , <b>2020</b> , 19, 840-848	24.1	15
49	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> , <b>2020</b> , 14, e0008105	4.8	6
48	MicroRNAs in Neuroinflammation: Implications in Disease Pathogenesis, Biomarker Discovery and Therapeutic Applications. <i>Non-coding RNA</i> , <b>2019</b> , 5,	7.1	104
47	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> , <b>2019</b> , 4, 8	9.5	15
46	Establishment of an RNA polymerase II-driven reverse genetics system for Nipah virus strains from Malaysia and Bangladesh. <i>Scientific Reports</i> , <b>2019</b> , 9, 11171	4.9	10
45	Vesicular Stomatitis Virus-Based Vaccines Provide Cross-Protection against Andes and Sin Nombre Viruses. <i>Viruses</i> , <b>2019</b> , 11,	6.2	9
44	The cell type resolved mouse transcriptome in neuron-enriched brain tissues from the hippocampus and cerebellum during prion disease. <i>Scientific Reports</i> , <b>2019</b> , 9, 1099	4.9	9
43	Identification of circulating microRNA signatures as potential biomarkers in the serum of elk infected with chronic wasting disease. <i>Scientific Reports</i> , <b>2019</b> , 9, 19705	4.9	8
42	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> , <b>2018</b> , 1733, 41-51	1.4	1
41	Intramuscular Adeno-Associated Virus-Mediated Expression of Monoclonal Antibodies Provides 100% Protection Against Ebola Virus Infection in Mice. <i>Journal of Infectious Diseases</i> , <b>2018</b> , 217, 916-925	7	23

40	MicroRNA-16 targets mRNA involved in neurite extension and branching in hippocampal neurons during presymptomatic prion disease. <i>Neurobiology of Disease</i> , <b>2018</b> , 112, 1-13	7.5	16
39	Profiling of MicroRNA and Protein from Purified Synaptoneurosomes in a Neurodegenerative Disease Model. <i>Neuromethods</i> , <b>2018</b> , 253-267	0.4	
38	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> , <b>2018</b> , 9, 323-329	6.4	21
37	DNA vaccination protects mice against Zika virus-induced damage to the testes. <i>Nature Communications</i> , <b>2017</b> , 8, 15743	17.4	76
36	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> , <b>2017</b> , 12, e0169081	3.7	21
35	Human polyclonal antibodies produced in transchromosomal cattle prevent lethal Zika virus infection and testicular atrophy in mice. <i>Antiviral Research</i> , <b>2017</b> , 146, 164-173	10.8	19
34	MicroRNA and mRNA Dysregulation in Astrocytes Infected with Zika Virus. <i>Viruses</i> , <b>2017</b> , 9,	6.2	43
33	protection against ZIKV infection and pathogenesis through passive antibody transfer and active immunisation with a prMEnv DNA vaccine. <i>Npj Vaccines</i> , <b>2016</b> , 1, 16021	9.5	101
32	MicroRNA abundance is altered in synaptoneurosomes during prion disease. <i>Molecular and Cellular Neurosciences</i> , <b>2016</b> , 71, 13-24	4.8	75
31	Claudin 1 Expression Levels Affect miRNA Dynamics in Human Basal-Like Breast Cancer Cells. <i>DNA and Cell Biology</i> , <b>2016</b> , 35, 328-39	3.6	10
30	Establishment and characterization of a lethal mouse model for the Angola strain of Marburg virus. <i>Journal of Virology</i> , <b>2014</b> , 88, 12703-14	6.6	41
29	A functional SNP catalog of overlapping miRNA-binding sites in genes implicated in prion disease and other neurodegenerative disorders. <i>Human Mutation</i> , <b>2014</b> , 35, 1233-48	4.7	13
28	The emerging use of in vivo optical imaging in the study of neurodegenerative diseases. <i>BioMed Research International</i> , <b>2014</b> , 2014, 401306	3	12
27	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> , <b>2014</b> , 11, 160	6.1	3
26	miR-196a: is it the silver bullet against Huntington's disease?. <i>Future Neurology</i> , <b>2014</b> , 9, 27-31	1.5	
25	Microdissection and transcriptional profiling: a window into the pathobiology of preclinical prion disease. <i>Prion</i> , <b>2014</b> , 8, 67-74	2.3	4
24	MicroRNA-146a: A Dominant, Negative Regulator of the Innate Immune Response. <i>Frontiers in Immunology</i> , <b>2014</b> , 5, 578	8.4	220
23	Small RNA drugs for prion disease: a new frontier. <i>Expert Opinion on Drug Discovery</i> , <b>2013</b> , 8, 1265-84	6.2	7

22	A user-friendly computational workflow for the analysis of microRNA deep sequencing data. <i>Methods in Molecular Biology</i> , <b>2013</b> , 936, 35-45	1.4	3
21	Polymorphisms affecting miRNA regulation: a new level of genetic variation affecting disorders and diseases of the human CNS. <i>Future Neurology</i> , <b>2013</b> , 8, 411-431	1.5	3
20	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> , <b>2012</b> , 7, e30832	3.7	119
19	Early mechanisms of pathobiology are revealed by transcriptional temporal dynamics in hippocampal CA1 neurons of prion infected mice. <i>PLoS Pathogens</i> , <b>2012</b> , 8, e1003002	7.6	72
18	Cellular prion protein regulates its own cleavage through ADAM8 in skeletal muscle. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 16510-20	5.4	35
17	The Role of MicroRNAs in Neurodegenerative Diseases: Implications for Early Detection and Treatment <b>2012</b> , 443-473		4
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> , <b>2011</b> , 74, 1504-20	3.2	5
15	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> , <b>2011</b> , 6, e19436	3.7	30
14	Application of "omics" to prion biomarker discovery. <i>Journal of Biomedicine and Biotechnology</i> , <b>2010</b> , 2010, 613504		16
13	Computational methodologies for studying non-coding RNAs relevant to central nervous system function and dysfunction. <i>Brain Research</i> , <b>2010</b> , 1338, 131-45	3.7	8
12	Phosphorylation of prion protein at serine 43 induces prion protein conformational change. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 8743-51	6.6	20
11	Activation of p53-regulated pro-apoptotic signaling pathways in PrP-mediated myopathy. <i>BMC Genomics</i> , <b>2009</b> , 10, 201	4.5	11
10	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> , <b>2009</b> , 72, 1075-82	3.2	3
9	Comprehensive transcriptional profiling of prion infection in mouse models reveals networks of responsive genes. <i>BMC Genomics</i> , <b>2008</b> , 9, 114	4.5	66
8	A miRNA signature of prion induced neurodegeneration. <i>PLoS ONE</i> , <b>2008</b> , 3, e3652	3.7	199
7	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> , <b>2007</b> , 104, 6800-5	11.5	27
6	Cellular prion protein is released on exosomes from activated platelets. <i>Blood</i> , <b>2006</b> , 107, 3907-11	2.2	108
5	Target labelling for the detection and profiling of microRNAs expressed in CNS tissue using microarrays. <i>BMC Biotechnology</i> , <b>2006</b> , 6, 47	3.5	23

4	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> , <b>2004</b> , 85, 3459-3471	4.9	67
3	Molecular classification of scrapie strains in mice using gene expression profiling. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 325, 1339-45	3.4	29
2	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> , <b>2003</b> , 17, 77-84	3.3	35
1	Application of DNA array technology for diagnostic microbiology. <i>Canadian Journal of Infectious Diseases &amp; Medical Microbiology</i> , <b>2000</b> , 11, 291-4		1