

Stephanie A Booth

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,424
citations

218592

26
h-index

206029

48
g-index

64
all docs

64
docs citations

64
times ranked

4147
citing authors

#	ARTICLE	IF	CITATIONS
1	MicroRNA-146a: A Dominant, Negative Regulator of the Innate Immune Response. <i>Frontiers in Immunology</i> , 2014, 5, 578.	2.2	299
2	A miRNA Signature of Prion Induced Neurodegeneration. <i>PLoS ONE</i> , 2008, 3, e3652.	1.1	229
3	MicroRNAs in Neuroinflammation: Implications in Disease Pathogenesis, Biomarker Discovery and Therapeutic Applications. <i>Non-coding RNA</i> , 2019, 5, 35.	1.3	158
4	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.	1.1	143
5	Cellular prion protein is released on exosomes from activated platelets. <i>Blood</i> , 2006, 107, 3907-3911.	0.6	127
6	In vivo 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.	2.9	118
7	MicroRNA abundance is altered in synaptoneurosomes during prion disease. <i>Molecular and Cellular Neurosciences</i> , 2016, 71, 13-24.	1.0	106
8	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.	2.1	105
9	DNA vaccination protects mice against Zika virus-induced damage to the testes. <i>Nature Communications</i> , 2017, 8, 15743.	5.8	90
10	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.	1.3	74
11	Comprehensive transcriptional profiling of prion infection in mouse models reveals networks of responsive genes. <i>BMC Genomics</i> , 2008, 9, 114.	1.2	74
12	MicroRNA and mRNA Dysregulation in Astrocytes Infected with Zika Virus. <i>Viruses</i> , 2017, 9, 297.	1.5	61
13	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.	1.8	57
14	Establishment and Characterization of a Lethal Mouse Model for the Angola Strain of Marburg Virus. <i>Journal of Virology</i> , 2014, 88, 12703-12714.	1.5	46
15	Cellular Prion Protein Regulates Its Own \pm -Cleavage through ADAM8 in Skeletal Muscle. <i>Journal of Biological Chemistry</i> , 2012, 287, 16510-16520.	1.6	42
16	Identification of novel risk loci and causal insights for sporadic Creutzfeldt-Jakob disease: a genome-wide association study. <i>Lancet Neurology</i> , The, 2020, 19, 840-848.	4.9	42
17	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.	1.1	37
18	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.	1.9	37

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19	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.	0.9	36
20	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, 6800-6805.	3.3	35
21	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.	1.1	34
22	Molecular classification of scrapie strains in mice using gene expression profiling. <i>Biochemical and Biophysical Research Communications</i> , 2004, 325, 1339-1345.	1.0	32
23	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.	2.1	30
24	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.	2.9	30
25	Downregulation of circulating miR 802 and miR 194 and upregulation of brain MEF2C along breast cancer brain metastasization. <i>Molecular Oncology</i> , 2020, 14, 520-538.	2.1	30
26	Target labelling for the detection and profiling of microRNAs expressed in CNS tissue using microarrays. , 2006, 6, 47.		27
27	Phosphorylation of Prion Protein at Serine 43 Induces Prion Protein Conformational Change. <i>Journal of Neuroscience</i> , 2009, 29, 8743-8751.	1.7	26
28	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.	1.6	23
29	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.	1.9	22
30	Application of "omics" to Prion Biomarker Discovery. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-14.	3.0	19
31	Vesicular Stomatitis Virus-Based Vaccines Provide Cross-Protection against Andes and Sin Nombre Viruses. <i>Viruses</i> , 2019, 11, 645.	1.5	18
32	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.	1.3	18
33	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.	1.6	17
34	Characterization of a novel STAT 2 knock-out hamster model of Crimean-Congo hemorrhagic fever virus pathogenesis. <i>Scientific Reports</i> , 2020, 10, 12378.	1.6	16
35	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, 1233-1248.	1.1	15
36	MicroRNA in neurodegenerative drug discovery: the way forward?. <i>Expert Opinion on Drug Discovery</i> , 2015, 10, 9-16.	2.5	15

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37	The Emerging Use of <i>In Vivo</i> Optical Imaging in the Study of Neurodegenerative Diseases. <i>BioMed Research International</i> , 2014, 2014, 1-14.	0.9	14
38	Activation of p53-regulated pro-apoptotic signaling pathways in PrP-mediated myopathy. <i>BMC Genomics</i> , 2009, 10, 201.	1.2	13
39	Claudin 1 Expression Levels Affect miRNA Dynamics in Human Basal-Like Breast Cancer Cells. <i>DNA and Cell Biology</i> , 2016, 35, 328-339.	0.9	13
40	Intranasal vaccination with a Newcastle disease virus-vectored vaccine protects hamsters from SARS-CoV-2 infection and disease. <i>IScience</i> , 2021, 24, 103219.	1.9	12
41	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.	1.6	11
42	Computational methodologies for studying non-coding RNAs relevant to central nervous system function and dysfunction. <i>Brain Research</i> , 2010, 1338, 131-145.	1.1	8
43	Exposure Risk of Chronic Wasting Disease in Humans. <i>Viruses</i> , 2020, 12, 1454.	1.5	8
44	Small RNA drugs for prion disease: a new frontier. <i>Expert Opinion on Drug Discovery</i> , 2013, 8, 1265-1284.	2.5	7
45	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, 1504-1520.	1.1	5
46	Microdissection and transcriptional profiling. <i>Prion</i> , 2014, 8, 67-74.	0.9	5
47	Differential Pathogenesis between Andes Virus Strains CHI-7913 and Chile-9717869 in Syrian Hamsters. <i>Journal of Virology</i> , 2021, 95, .	1.5	5
48	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, 96, e0038922.	1.5	5
49	Activation of Pro-survival CaMK4 β /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.	1.4	4
50	Neurons and Astrocytes Elicit Brain Region Specific Transcriptional Responses to Prion Disease in the Murine CA1 and Thalamus. <i>Frontiers in Neuroscience</i> , 2022, 16, .	1.4	4
51	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, 1075-1082.	1.1	3
52	A User-Friendly Computational Workflow for the Analysis of MicroRNA Deep Sequencing Data. <i>Methods in Molecular Biology</i> , 2013, 936, 35-45.	0.4	3
53	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.	0.9	3
54	Application of DNA Array Technology for Diagnostic Microbiology. <i>Canadian Journal of Infectious Diseases & Medical Microbiology</i> , 2000, 11, 291-294.	0.3	2

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55	Engineered AAV8 capsid acquires heparin and AVB sepharose binding capacity but has altered in vivo transduction efficiency. <i>Gene Therapy</i> , 2023, 30, 236-244.	2.3	2
56	What's next for genomics and prion diseases?. <i>Future Science OA</i> , 2017, 3, FSO188.	0.9	1
57	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.	0.4	1
58	miR-196a: is it the "silver bullet"™ against Huntington's™ disease?. <i>Future Neurology</i> , 2014, 9, 27-31.	0.9	0
59	Profiling of MicroRNA and Protein from Purified Synaptoneurosomes in a Neurodegenerative Disease Model. <i>Neuromethods</i> , 2018, , 253-267.	0.2	0
60	Non-Productive Infection of Glial Cells with SARS-CoV-2 in Hamster Organotypic Cerebellar Slice Cultures. <i>Viruses</i> , 2022, 14, 1218.	1.5	0