

Stephanie A Montgomery

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

5,846
citations

172207
29
h-index

138251
58
g-index

67
all docs

67
docs citations

67
times ranked

11382
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative therapeutic efficacy of remdesivir and combination lopinavir, ritonavir, and interferon beta against MERS-CoV. <i>Nature Communications</i> , 2020, 11, 222.	5.8	1,376
2	An orally bioavailable broad-spectrum antiviral inhibits SARS-CoV-2 in human airway epithelial cell cultures and multiple coronaviruses in mice. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	886
3	A mouse-adapted model of SARS-CoV-2 to test COVID-19 countermeasures. <i>Nature</i> , 2020, 586, 560-566.	13.7	527
4	A Mouse-Adapted SARS-CoV-2 Induces Acute Lung Injury and Mortality in Standard Laboratory Mice. <i>Cell</i> , 2020, 183, 1070-1085.e12.	13.5	472
5	A Mouse Model of Chikungunya Virusâ€“Induced Musculoskeletal Inflammatory Disease. <i>American Journal of Pathology</i> , 2011, 178, 32-40.	1.9	245
6	Effect of Convalescent Plasma on Organ Supportâ€“Free Days in Critically Ill Patients With COVID-19. <i>JAMA - Journal of the American Medical Association</i> , 2021, 326, 1690.	3.8	169
7	The Inhibitory Innate Immune Sensor NLRP12 Maintains a Threshold against Obesity by Regulating Gut Microbiota Homeostasis. <i>Cell Host and Microbe</i> , 2018, 24, 364-378.e6.	5.1	158
8	A high capacity polymeric micelle of paclitaxel: Implication of high dose drug therapy to safety and in vivo anti-cancer activity. <i>Biomaterials</i> , 2016, 101, 296-309.	5.7	151
9	Chimeric spike mRNA vaccines protect against Sarbecovirus challenge in mice. <i>Science</i> , 2021, 373, 991-998.	6.0	144
10	<i>In Vivo</i> Targeting of <i>Clostridioides difficile</i> Using Phage-Delivered CRISPR-Cas3 Antimicrobials. <i>MBio</i> , 2020, 11, .	1.8	123
11	<i>Clostridioides difficile</i> exploits toxin-mediated inflammation to alter the host nutritional landscape and exclude competitors from the gut microbiota. <i>Nature Communications</i> , 2021, 12, 462.	5.8	94
12	A broadly cross-reactive antibody neutralizes and protects against sarbecovirus challenge in mice. <i>Science Translational Medicine</i> , 2022, 14, eabj7125.	5.8	93
13	AIM2 in regulatory T cells restrains autoimmune diseases. <i>Nature</i> , 2021, 591, 300-305.	13.7	87
14	Update on the Features and Measurements of Experimental Acute Lung Injury in Animals: An Official American Thoracic Society Workshop Report. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2022, 66, e1-e14.	1.4	82
15	MAVS-dependent host species range and pathogenicity of human hepatitis A virus. <i>Science</i> , 2016, 353, 1541-1545.	6.0	80
16	CD8 ⁺ T cells regulate liver injury in obesity-related nonalcoholic fatty liver disease. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, G211-G224.	1.6	68
17	The Innate Immune Receptor NLRX1 Functions as a Tumor Suppressor by Reducing Colon Tumorigenesis and Key Tumor-Promoting Signals. <i>Cell Reports</i> , 2016, 14, 2562-2575.	2.9	59
18	UNC2025, a MERTK Small-Molecule Inhibitor, Is Therapeutically Effective Alone and in Combination with Methotrexate in Leukemia Models. <i>Clinical Cancer Research</i> , 2017, 23, 1481-1492.	3.2	58

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19	SARS-CoV-2 infection produces chronic pulmonary epithelial and immune cell dysfunction with fibrosis in mice. <i>Science Translational Medicine</i> , 2022, 14, .	5.8	55
20	CD30-Redirected Chimeric Antigen Receptor T Cells Target CD30+ and CD30 ^{hi} Embryonal Carcinoma via Antigen-Dependent and Fas/FasL Interactions. <i>Cancer Immunology Research</i> , 2018, 6, 1274-1287.	1.6	53
21	Overcoming anti-PEG antibody mediated accelerated blood clearance of PEGylated liposomes by pre-infusion with high molecular weight free PEG. <i>Journal of Controlled Release</i> , 2019, 311-312, 138-146.	4.8	53
22	Novel virus-like nanoparticle vaccine effectively protects animal model from SARS-CoV-2 infection. <i>PLoS Pathogens</i> , 2021, 17, e1009897.	2.1	49
23	Therapeutic treatment with an oral prodrug of the remdesivir parental nucleoside is protective against SARS-CoV-2 pathogenesis in mice. <i>Science Translational Medicine</i> , 2022, 14, eabm3410.	5.8	49
24	Ursodeoxycholic Acid (UDCA) Mitigates the Host Inflammatory Response during <i>Clostridioides difficile</i> Infection by Altering Gut Bile Acids. <i>Infection and Immunity</i> , 2020, 88, .	1.0	47
25	Knockout of Epstein-Barr Virus BPLF1 Retards B-Cell Transformation and Lymphoma Formation in Humanized Mice. <i>MBio</i> , 2015, 6, e01574-15.	1.8	39
26	Cefoperazone-treated Mouse Model of Clinically-relevant <i>Clostridium difficile</i> Strain R20291. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	39
27	Prevention and therapy of SARS-CoV-2 and the B.1.351 variant in mice. <i>Cell Reports</i> , 2021, 36, 109450.	2.9	38
28	CD8+ T Cells Control Ross River Virus Infection in Musculoskeletal Tissues of Infected Mice. <i>Journal of Immunology</i> , 2015, 194, 678-689.	0.4	33
29	Chikungunya virus replication in skeletal muscle cells is required for disease development. <i>Journal of Clinical Investigation</i> , 2020, 130, 1466-1478.	3.9	32
30	Spatially Distinct Neutrophil Responses within the Inflammatory Lesions of Pneumonic Plague. <i>MBio</i> , 2015, 6, e01530-15.	1.8	30
31	$\gamma\delta$ T Cells Play a Protective Role in Chikungunya Virus-Induced Disease. <i>Journal of Virology</i> , 2016, 90, 433-443.	1.5	28
32	Mutations in the E2 Glycoprotein and the 3' UTR Untranslated Region Enhance Chikungunya Virus Virulence in Mice. <i>Journal of Virology</i> , 2017, 91, .	1.5	28
33	An Immunocompetent Mouse Model of HPV16(+) Head and Neck Squamous Cell Carcinoma. <i>Cell Reports</i> , 2019, 29, 1660-1674.e7.	2.9	20
34	One-pot synthesis of carboxymethyl-dextran coated iron oxide nanoparticles (CION) for preclinical fMRI and MRA applications. <i>NeuroImage</i> , 2021, 238, 118213.	2.1	19
35	Biodegradable polymeric solid implants for ultra-long-acting delivery of single or multiple antiretroviral drugs. <i>International Journal of Pharmaceutics</i> , 2021, 605, 120844.	2.6	17
36	Weight loss reduces basal-like breast cancer through kinome reprogramming. <i>Cancer Cell International</i> , 2016, 16, 26.	1.8	16

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37	A conditional mouse expressing an activating mutation in <i>NRF2</i> displays hyperplasia of the upper gastrointestinal tract and decreased white adipose tissue. <i>Journal of Pathology</i> , 2020, 252, 125-137.	2.1	16
38	Bioequivalence assessment of high-capacity polymeric micelle nanoformulation of paclitaxel and Abraxane® in rodent and non-human primate models using a stable isotope tracer assay. <i>Biomaterials</i> , 2021, 278, 121140.	5.7	15
39	Presumed primary ocular lymphangiosarcoma with metastasis in a miniature horse. <i>Veterinary Ophthalmology</i> , 2015, 18, 502-509.	0.6	14
40	IL-10 Paradoxically Promotes Autoimmune Neuropathy through S1PR1-Dependent CD4+ T Cell Migration. <i>Journal of Immunology</i> , 2018, 200, 1580-1592.	0.4	11
41	Mouse Models for the Study of SARS-CoV-2 Infection. <i>Comparative Medicine</i> , 2021, 71, 383-397.	0.4	11
42	A Multitrait Locus Regulates Sarbecovirus Pathogenesis. <i>MBio</i> , 2022, 13, .	1.8	11
43	Efficacy of pyrazinoic acid dry powder aerosols in resolving necrotic and non-necrotic granulomas in a guinea pig model of tuberculosis. <i>PLoS ONE</i> , 2018, 13, e0204495.	1.1	9
44	IL-1 β Is Essential for Oviduct Pathology during Genital Chlamydial Infection in Mice. <i>Journal of Immunology</i> , 2020, 205, 3037-3049.	0.4	9
45	Simulated Gastric Digestion and In Vivo Intestinal Uptake of Orally Administered CuO Nanoparticles and TiO ₂ E171 in Male and Female Rat Pups. <i>Nanomaterials</i> , 2021, 11, 1487.	1.9	7
46	TP53, CDKN2A/P16, and NFE2L2/NRF2 regulate the incidence of pure- and combined-small cell lung cancer in mice. <i>Oncogene</i> , 2022, 41, 3423-3432.	2.6	7
47	Caspase-11 Contributes to Oviduct Pathology during Genital Chlamydia Infection in Mice. <i>Infection and Immunity</i> , 2019, 87, .	1.0	6
48	A mucoadhesive biodissolvable thin film for localized and rapid delivery of lidocaine for the treatment of vestibulodynia. <i>International Journal of Pharmaceutics</i> , 2021, , 121288.	2.6	6
49	<i>In vivo</i> assessment of pulmonary fibrosis and edema in rodents using the backscatter coefficient and envelope statistics. <i>Journal of the Acoustical Society of America</i> , 2021, 150, 183-192.	0.5	5
50	Development of a Robotic Shear Wave Elastography System for Noninvasive Staging of Liver Disease in Murine Models. <i>Hepatology Communications</i> , 2022, 6, 1827-1839.	2.0	5
51	Biodistribution, cardiac and neurobehavioral assessments, and neurotransmitter quantification in juvenile rats following oral administration of aluminum oxide nanoparticles. <i>Journal of Applied Toxicology</i> , 2020, 41, 1316-1329.	1.4	4
52	Myeloid Protease-Activated Receptor-2 Contributes to Influenza A Virus Pathology in Mice. <i>Frontiers in Immunology</i> , 2021, 12, 791017.	2.2	3
53	Weight Loss and/or Sulindac Mitigate Obesity-associated Transcriptome, Microbiome, and Protumor Effects in a Murine Model of Colon Cancer. <i>Cancer Prevention Research</i> , 2022, 15, 481-495.	0.7	2
54	Nanomedicine: Biologically Targeted Photo-crosslinkable Nanopatch to Prevent Postsurgical Peritoneal Adhesion (<i>Adv. Sci.</i> 19/2019). <i>Advanced Science</i> , 2019, 6, 1970117.	5.6	1

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55	Cytotoxic Engineered Induced Neural Stem Cells as an Intravenous Therapy for Primary Non-Small Cell Lung Cancer and Triple-Negative Breast Cancer. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 2291-2301.	1.9	1
56	Preclinical coronavirus studies and pathology: Challenges of the high-containment laboratory. <i>Veterinary Pathology</i> , 2022, , 030098582210876.	0.8	1