Stephanie A Montgomery

List of Publications by Year
in descending order

56	5,846	172457	138484
papers	citations	29 h-index	58 g-index

67	67	67	11382
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative therapeutic efficacy of remdesivir and combination lopinavir, ritonavir, and interferon beta against MERS-CoV. Nature Communications, 2020, 11, 222.	12.8	1,376
2	An orally bioavailable broad-spectrum antiviral inhibits SARS-CoV-2 in human airway epithelial cell cultures and multiple coronaviruses in mice. Science Translational Medicine, 2020, 12, .	12.4	886
3	A mouse-adapted model of SARS-CoV-2 to test COVID-19 countermeasures. Nature, 2020, 586, 560-566.	27.8	527
4	A Mouse-Adapted SARS-CoV-2 Induces Acute Lung Injury and Mortality in Standard Laboratory Mice. Cell, 2020, 183, 1070-1085.e12.	28.9	472
5	A Mouse Model of Chikungunya Virusâ€“Induced Musculoskeletal Inflammatory Disease. American Journal of Pathology, 2011, 178, 32-40.	3.8	245
6	Effect of Convalescent Plasma on Organ Supportâ€“Free Days in Critically Ill Patients With COVID-19. JAMA - Journal of the American Medical Association, 2021, 326, 1690.	7.4	169
7	The Inhibitory Innate Immune Sensor NLRP12 Maintains a Threshold against Obesity by Regulating Gut Microbiota Homeostasis. Cell Host and Microbe, 2018, 24, 364-378.e6.	11.0	158
8	A high capacity polymeric micelle of paclitaxel: Implication of high dose drug therapy to safety and inÂvivo anti-cancer activity. Biomaterials, 2016, 101, 296-309.	11.4	151
9	Chimeric spike mRNA vaccines protect against Sarbecovirus challenge in mice. Science, 2021, 373, 991-998.	12.6	144
10	In Vivo Targeting of Clostridioides difficile Using Phage-Delivered CRISPR-Cas3 Antimicrobials. MBio, 2020, 11, .	4.1	123
11	Clostridioides difficile exploits toxin-mediated inflammation to alter the host nutritional landscape and exclude competitors from the gut microbiota. Nature Communications, 2021, 12, 462.	12.8	94
12	A broadly cross-reactive antibody neutralizes and protects against sarbecovirus challenge in mice. Science Translational Medicine, 2022, 14, eabj7125.	12.4	93
13	AIM2 in regulatory T cells restrains autoimmune diseases. Nature, 2021, 591, 300-305.	27.8	87
14	Update on the Features and Measurements of Experimental Acute Lung Injury in Animals: An Official American Thoracic Society Workshop Report. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, e1-e14.	2.9	82
15	MAVS-dependent host species range and pathogenicity of human hepatitis A virus. Science, 2016, 353, 1541-1545.	12.6	80
16	CD8⁺ T cells regulate liver injury in obesity-related nonalcoholic fatty liver disease. American Journal of Physiology - Renal Physiology, 2020, 318, G211-G224.	3.4	68
17	The Innate Immune Receptor NLRX1 Functions as a Tumor Suppressor by Reducing Colon Tumorigenesis and Key Tumor-Promoting Signals. Cell Reports, 2016, 14, 2562-2575.	6.4	59
18	UNC2025, a MERTK Small-Molecule Inhibitor, Is Therapeutically Effective Alone and in Combination with Methotrexate in Leukemia Models. Clinical Cancer Research, 2017, 23, 1481-1492.	7.0	58

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19	SARS-CoV-2 infection produces chronic pulmonary epithelial and immune cell dysfunction with fibrosis in mice. Science Translational Medicine, 2022, 14, .	12.4	55
20	CD30-Redirected Chimeric Antigen Receptor T Cells Target CD30+ and CD30â˜' Embryonal Carcinoma via Antigen-Dependent and Fas/FasL Interactions. Cancer Immunology Research, 2018, 6, 1274-1287.	3.4	53
21	Overcoming anti-PEG antibody mediated accelerated blood clearance of PEGylated liposomes by pre-infusion with high molecular weight free PEG. Journal of Controlled Release, 2019, 311-312, 138-146.	9.9	53
22	Novel virus-like nanoparticle vaccine effectively protects animal model from SARS-CoV-2 infection. PLoS Pathogens, 2021, 17, e1009897.	4.7	49
23	Therapeutic treatment with an oral prodrug of the remdesivir parental nucleoside is protective against SARS-CoV-2 pathogenesis in mice. Science Translational Medicine, 2022, 14, eabm3410.	12.4	49
24	Ursodeoxycholic Acid (UDCA) Mitigates the Host Inflammatory Response during Clostridioides difficile Infection by Altering Gut Bile Acids. Infection and Immunity, 2020, 88, .	2.2	47
25	Knockout of Epstein-Barr Virus BPLF1 Retards B-Cell Transformation and Lymphoma Formation in Humanized Mice. MBio, 2015, 6, e01574-15.	4.1	39
26	Cefoperazone-treated Mouse Model of Clinically-relevant Clostridium difficile Strain R20291. Journal of Visualized Experiments, 2016, , .	0.3	39
27	Prevention and therapy of SARS-CoV-2 and the B.1.351 variant in mice. Cell Reports, 2021, 36, 109450.	6.4	38
28	CD8+ T Cells Control Ross River Virus Infection in Musculoskeletal Tissues of Infected Mice. Journal of Immunology, 2015, 194, 678-689.	0.8	33
29	Chikungunya virus replication in skeletal muscle cells is required for disease development. Journal of Clinical Investigation, 2020, 130, 1466-1478.	8.2	32
30	Spatially Distinct Neutrophil Responses within the Inflammatory Lesions of Pneumonic Plague. MBio, 2015, 6, e01530-15.	4.1	30
31	Î³Î´ T Cells Play a Protective Role in Chikungunya Virus-Induced Disease. Journal of Virology, 2016, 90, 433-443.	3.4	28
32	Mutations in the E2 Glycoprotein and the 3â€² Untranslated Region Enhance Chikungunya Virus Virulence in Mice. Journal of Virology, 2017, 91, .	3.4	28
33	An Immunocompetent Mouse Model of HPV16(+) Head and Neck Squamous Cell Carcinoma. Cell Reports, 2019, 29, 1660-1674.e7.	6.4	20
34	One-pot synthesis of carboxymethyl-dextran coated iron oxide nanoparticles (CION) for preclinical fMRI and MRA applications. NeuroImage, 2021, 238, 118213.	4.2	19
35	Biodegradable polymeric solid implants for ultra-long-acting delivery of single or multiple antiretroviral drugs. International Journal of Pharmaceutics, 2021, 605, 120844.	5.2	17
36	Weight loss reduces basal-like breast cancer through kinome reprogramming. Cancer Cell International, 2016, 16, 26.	4.1	16

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37	A conditional mouse expressing an activating mutation in <scp>NRF2</scp> displays hyperplasia of the upper gastrointestinal tract and decreased white adipose tissue. Journal of Pathology, 2020, 252, 125-137.	4.5	16
38	Bioequivalence assessment of high-capacity polymeric micelle nanoformulation of paclitaxel and AbraxaneÂ® in rodent and non-human primate models using a stable isotope tracer assay. Biomaterials, 2021, 278, 121140.	11.4	15
39	Presumed primary ocular lymphangiosarcoma with metastasis in a miniature horse. Veterinary Ophthalmology, 2015, 18, 502-509.	1.0	14
40	IL-10 Paradoxically Promotes Autoimmune Neuropathy through S1PR1-Dependent CD4+ T Cell Migration. Journal of Immunology, 2018, 200, 1580-1592.	0.8	11
41	Mouse Models for the Study of SARS-CoV-2 Infection. Comparative Medicine, 2021, 71, 383-397.	1.0	11
42	A Multitrait Locus Regulates Sarbecovirus Pathogenesis. MBio, 2022, 13, .	4.1	11
43	Efficacy of pyrazinoic acid dry powder aerosols in resolving necrotic and non-necrotic granulomas in a guinea pig model of tuberculosis. PLoS ONE, 2018, 13, e0204495.	2.5	9
44	IL-1Î± Is Essential for Oviduct Pathology during Genital Chlamydial Infection in Mice. Journal of Immunology, 2020, 205, 3037-3049.	0.8	9
45	Simulated Gastric Digestion and In Vivo Intestinal Uptake of Orally Administered CuO Nanoparticles and TiO2 E171 in Male and Female Rat Pups. Nanomaterials, 2021, 11, 1487.	4.1	7
46	TP53, CDKN2A/P16, and NFE2L2/NRF2 regulate the incidence of pure- and combined-small cell lung cancer in mice. Oncogene, 2022, 41, 3423-3432.	5.9	7
47	Caspase-11 Contributes to Oviduct Pathology during Genital Chlamydia Infection in Mice. Infection and Immunity, 2019, 87, .	2.2	6
48	A mucoadhesive biodissolvable thin film for localized and rapid delivery of lidocaine for the treatment of vestibulodynia. International Journal of Pharmaceutics, 2021, , 121288.	5.2	6
49	In vivo assessment of pulmonary fibrosis and edema in rodents using the backscatter coefficient and envelope statistics. Journal of the Acoustical Society of America, 2021, 150, 183-192.	1.1	5
50	Development of a Robotic Shear Wave Elastography System for Noninvasive Staging of Liver Disease in Murine Models. Hepatology Communications, 2022, 6, 1827-1839.	4.3	5
51	Biodistribution, cardiac and neurobehavioral assessments, and neurotransmitter quantification in juvenile rats following oral administration of aluminum oxide nanoparticles. Journal of Applied Toxicology, 2020, 41, 1316-1329.	2.8	4
52	Myeloid Protease-Activated Receptor-2 Contributes to Influenza A Virus Pathology in Mice. Frontiers in Immunology, 2021, 12, 791017.	4.8	3
53	Weight Loss and/or Sulindac Mitigate Obesity-associated Transcriptome, Microbiome, and Protumor Effects in a Murine Model of Colon Cancer. Cancer Prevention Research, 2022, 15, 481-495.	1.5	2
54	Nanomedicine: Biologically Targeted Photoâ€Crosslinkable Nanopatch to Prevent Postsurgical Peritoneal Adhesion (Adv. Sci. 19/2019). Advanced Science, 2019, 6, 1970117.	11.2	1

#	Article	IF	Citations
55	Cytotoxic Engineered Induced Neural Stem Cells as an Intravenous Therapy for Primary Nonâ€“Small Cell Lung Cancer and Triple-Negative Breast Cancer. Molecular Cancer Therapeutics, 2021, 20, 2291-2301.	4.1	1
56	Preclinical coronavirus studies and pathology: Challenges of the high-containment laboratory. Veterinary Pathology, 2022, , 030098582210876.	1.7	1