

Piper M Treuting

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

14,178
citations

81743

39
h-index

66788

78
g-index

89
all docs

89
docs citations

89
times ranked

24417
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative encyclopedia of DNA elements in the mouse genome. <i>Nature</i> , 2014, 515, 355-364.	13.7	1,444
2	Regulatory T Cell-Derived Interleukin-10 Limits Inflammation at Environmental Interfaces. <i>Immunity</i> , 2008, 28, 546-558.	6.6	1,309
3	Caspase-1-induced pyroptosis is an innate immune effector mechanism against intracellular bacteria. <i>Nature Immunology</i> , 2010, 11, 1136-1142.	7.0	1,074
4	CD4 ⁺ Regulatory T Cells Control T _H 17 Responses in a Stat3-Dependent Manner. <i>Science</i> , 2009, 326, 986-991.	6.0	895
5	Regulatory T-cell suppressor program co-opts transcription factor IRF4 to control TH2 responses. <i>Nature</i> , 2009, 458, 351-356.	13.7	827
6	Interleukin-10 Signaling in Regulatory T Cells Is Required for Suppression of Th17 Cell-Mediated Inflammation. <i>Immunity</i> , 2011, 34, 566-578.	6.6	799
7	A Distinct Function of Regulatory T Cells in Tissue Protection. <i>Cell</i> , 2015, 162, 1078-1089.	13.5	734
8	Extrathymically generated regulatory T cells control mucosal TH2 inflammation. <i>Nature</i> , 2012, 482, 395-399.	13.7	733
9	Extrathymic Generation of Regulatory T Cells in Placental Mammals Mitigates Maternal-Fetal Conflict. <i>Cell</i> , 2012, 150, 29-38.	13.5	534
10	Derivation of naïve human embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4484-4489.	3.3	415
11	Isoforms of RNA-Editing Enzyme ADAR1 Independently Control Nucleic Acid Sensor MDA5-Driven Autoimmunity and Multi-organ Development. <i>Immunity</i> , 2015, 43, 933-944.	6.6	373
12	Altering the distribution of Foxp3+ regulatory T cells results in tissue-specific inflammatory disease. <i>Journal of Experimental Medicine</i> , 2007, 204, 1335-1347.	4.2	367
13	Transient rapamycin treatment can increase lifespan and healthspan in middle-aged mice. <i>ELife</i> , 2016, 5, .	2.8	315
14	Cutting Edge: cGAS Is Required for Lethal Autoimmune Disease in the Trex1-Deficient Mouse Model of Aicardi-Goutières Syndrome. <i>Journal of Immunology</i> , 2015, 195, 1939-1943.	0.4	293
15	Stability and function of regulatory T cells expressing the transcription factor T-bet. <i>Nature</i> , 2017, 546, 421-425.	13.7	287
16	Engineered probiotics for local tumor delivery of checkpoint blockade nanobodies. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	260
17	Polyglutamine-Expanded Ataxin-7 Antagonizes CRX Function and Induces Cone-Rod Dystrophy in a Mouse Model of SCA7. <i>Neuron</i> , 2001, 31, 913-927.	3.8	244
18	Mouse regulatory DNA landscapes reveal global principles of cis-regulatory evolution. <i>Science</i> , 2014, 346, 1007-1012.	6.0	244

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19	25-Hydroxycholesterol acts as an amplifier of inflammatory signaling. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10666-10671.	3.3	216
20	IL-1 β Signaling Promotes CNS-Intrinsic Immune Control of West Nile Virus Infection. PLoS Pathogens, 2012, 8, e1003039.	2.1	215
21	Lipidomic Profiling of Influenza Infection Identifies Mediators that Induce and Resolve Inflammation. Cell, 2013, 154, 213-227.	13.5	211
22	Conservation of trans-acting circuitry during mammalian regulatory evolution. Nature, 2014, 515, 365-370.	13.7	211
23	DNA polymerase β and γ proofreading suppress discrete mutator and cancer phenotypes in mice. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17101-17104.	3.3	200
24	Runx-CBF β complexes control expression of the transcription factor Foxp3 in regulatory T cells. Nature Immunology, 2009, 10, 1170-1177.	7.0	181
25	A mechanism for expansion of regulatory T-cell repertoire and its role in self-tolerance. Nature, 2015, 528, 132-136.	13.7	123
26	Reduction of Age-Associated Pathology in Old Mice by Overexpression of Catalase in Mitochondria. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2008, 63, 813-822.	1.7	115
27	Increased Dietary Vitamin D Suppresses MAPK Signaling, Colitis, and Colon Cancer. Cancer Research, 2014, 74, 4398-4408.	0.4	106
28	Mutation at the Polymerase Active Site of Mouse DNA Polymerase β Increases Genomic Instability and Accelerates Tumorigenesis. Molecular and Cellular Biology, 2007, 27, 7669-7682.	1.1	98
29	Practical pathology of aging mice. Pathobiology of Aging & Age Related Diseases, 2011, 1, 7202.	1.1	96
30	The Chymase Mouse Mast Cell Protease 4 Degrades TNF, Limits Inflammation, and Promotes Survival in a Model of Sepsis. American Journal of Pathology, 2012, 181, 875-886.	1.9	91
31	Genetic Diversity in the Collaborative Cross Model Recapitulates Human West Nile Virus Disease Outcomes. MBio, 2015, 6, e00493-15.	1.8	80
32	High-Fat Diet-Induced Obesity Exacerbates Inflammatory Bowel Disease in Genetically Susceptible Mdr1a Male Mice. Journal of Nutrition, 2013, 143, 1240-1247.	1.3	78
33	ATF3 regulates MCMV infection in mice by modulating IFN- γ expression in natural killer cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2544-2549.	3.3	77
34	miR-144 attenuates the host response to influenza virus by targeting the TRAF6-IRF7 signaling axis. PLoS Pathogens, 2017, 13, e1006305.	2.1	77
35	Inhibition of Retinoic Acid Biosynthesis by the Bisdichloroacetyldiamine WIN 18,446 Markedly Suppresses Spermatogenesis and Alters Retinoid Metabolism in Mice. Journal of Biological Chemistry, 2014, 289, 15104-15117.	1.6	67
36	A Multiantigen Vaccine Targeting Neu, IGFBP-2, and IGF-IR Prevents Tumor Progression in Mice with Preinvasive Breast Disease. Cancer Prevention Research, 2013, 6, 1273-1282.	0.7	62

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37	Murine norovirus: an intercurrent variable in a mouse model of bacteria-induced inflammatory bowel disease. <i>Comparative Medicine</i> , 2008, 58, 522-33.	0.4	62
38	CFTR dysregulation drives active selection of the gut microbiome. <i>PLoS Pathogens</i> , 2020, 16, e1008251.	2.1	57
39	A Mouse Model of Chronic West Nile Virus Disease. <i>PLoS Pathogens</i> , 2016, 12, e1005996.	2.1	46
40	Defensins Potentiate a Neutralizing Antibody Response to Enteric Viral Infection. <i>PLoS Pathogens</i> , 2016, 12, e1005474.	2.1	44
41	Characterization of Dextran Sodium Sulfate-Induced Inflammation and Colonic Tumorigenesis in Smad3 ^{-/-} Mice with Dysregulated TGF β 2. <i>PLoS ONE</i> , 2013, 8, e79182.	1.1	40
42	Interleukin-7 receptor blockade suppresses adaptive and innate inflammatory responses in experimental colitis. <i>Journal of Inflammation</i> , 2012, 9, 39.	1.5	39
43	Suppression of lethal autoimmunity by regulatory T cells with a single TCR specificity. <i>Journal of Experimental Medicine</i> , 2017, 214, 609-622.	4.2	34
44	STING is required for host defense against neuropathological West Nile virus infection. <i>PLoS Pathogens</i> , 2019, 15, e1007899.	2.1	29
45	Indocyanine green nanoparticles undergo selective lymphatic uptake, distribution and retention and enable detailed mapping of lymph vessels, nodes and abnormalities. <i>Journal of Drug Targeting</i> , 2018, 26, 494-504.	2.1	28
46	CD11b+ Mononuclear Cells Mitigate Hyperoxia-Induced Lung Injury in Neonatal Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 54, 273-283.	1.4	27
47	Retinoic Acid Receptor β 2 Inhibition of Metastasis in Mouse Mammary Gland Xenografts. <i>Breast Cancer Research and Treatment</i> , 2002, 72, 79-88.	1.1	25
48	Pharmacological inhibition of ALDH1A enzymes suppresses weight gain in a mouse model of diet-induced obesity. <i>Obesity Research and Clinical Practice</i> , 2018, 12, 93-101.	0.8	24
49	Effects of murine norovirus infection on a mouse model of diet-induced obesity and insulin resistance. <i>Comparative Medicine</i> , 2010, 60, 189-95.	0.4	22
50	Mouse Necropsy. <i>Current Protocols in Mouse Biology</i> , 2015, 5, 223-233.	1.2	21
51	Rodent Intestinal Epithelial Carcinogenesis. <i>Toxicologic Pathology</i> , 2014, 42, 148-161.	0.9	19
52	Case Series. <i>Toxicologic Pathology</i> , 2010, 38, 476-485.	0.9	17
53	Infection with murine norovirus 4 does not alter Helicobacter-induced inflammatory bowel disease in Il10(-/-) mice. <i>Comparative Medicine</i> , 2014, 64, 256-63.	0.4	14
54	Pathology is a critical aspect of preclinical aging studies. <i>Pathobiology of Aging & Age Related Diseases</i> , 2013, 3, 22451.	1.1	13

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55	Humanized TLR7/8 Expression Drives Proliferative Multisystemic Histiocytosis in C57BL/6 Mice. <i>PLoS ONE</i> , 2014, 9, e107257.	1.1	13
56	Lack of effect of murine norovirus infection on a mouse model of bacteria-induced colon cancer. <i>Comparative Medicine</i> , 2011, 61, 219-26.	0.4	13
57	Pathology of wild Norway rats in Vancouver, Canada. <i>Journal of Veterinary Diagnostic Investigation</i> , 2019, 31, 184-199.	0.5	12
58	Obstructive Lymphangitis Precedes Colitis in Murine Norovirus-Infected Stat1-Deficient Mice. <i>American Journal of Pathology</i> , 2018, 188, 1536-1554.	1.9	11
59	Repeated Intraperitoneal Administration of Low-Concentration Methylcellulose Leads to Systemic Histologic Lesions Without Loss of Preclinical Phenotype. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 371, 25-35.	1.3	11
60	PPAR α exacerbates necroptosis, leading to increased mortality in postinfluenza bacterial superinfection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15789-15798.	3.3	11
61	Natural history of tumor growth and immune modulation in common spontaneous murine mammary tumor models. <i>Breast Cancer Research and Treatment</i> , 2014, 148, 501-510.	1.1	9
62	Lesions associated with <i>Eucolus</i> sp. in the non-glandular stomach of wild urban rats (<i>Rattus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	0.6	7
63	An Introduction to Pathology in Biomedical Research: A Mission-Critical Specialty for Reproducibility and Rigor in Translational Research. <i>ILAR Journal</i> , 2018, 59, 1-3.	1.8	7
64	The Effect of Mouse Strain, Sex, and Carcinogen Dose on Toxicity and the Development of Lung Dysplasia and Squamous Cell Carcinomas in Mice. <i>Cancer Prevention Research</i> , 2019, 12, 507-516.	0.7	7
65	The devil is in the details—Host disease and co-infections are associated with zoonotic pathogen carriage in Norway rats (<i>Rattus norvegicus</i>). <i>Zoonoses and Public Health</i> , 2019, 66, 622-635.	0.9	7
66	Pathology Study Design, Conduct, and Reporting to Achieve Rigor and Reproducibility in Translational Research Using Animal Models. <i>ILAR Journal</i> , 2018, 59, 4-12.	1.8	6
67	Effect of Chronic Vitamin D Deficiency on the Development and Severity of DSS-Induced Colon Cancer in <i>Smad3</i> ^{-/-} Mice. <i>Comparative Medicine</i> , 2020, 70, 120-130.	0.4	6
68	Pathology in Practice. <i>Journal of the American Veterinary Medical Association</i> , 2014, 244, 667-669.	0.2	5
69	Lagomorpha. , 2018, , 481-498.		5
70	Training Mouse Pathologists: Ten Years of Workshops on the Pathology of Mouse Models of Human Disease. <i>Toxicologic Pathology</i> , 2012, 40, 823-825.	0.9	4
71	Protective Effects of ALDH1A Enzyme Inhibition on Helicobacter-Induced Colitis in <i>Smad3</i> ^{-/-} Mice are Associated with Altered α 4 β 7 Integrin Expression on Activated T Cells. <i>Nutrients</i> , 2020, 12, 2927.	1.7	4
72	Oral Cavity and Teeth. , 2012, , 95-110.		3

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73	Training mouse pathologists: 15 years of workshops on the pathology of mouse models of human disease. <i>Lab Animal</i> , 2017, 46, 204-206.	0.2	3
74	<i>Rodentia.</i> , 2018, , 499-515.		3
75	Histopathological Scoring. <i>Veterinary Pathology</i> , 2019, 56, 17-18.	0.8	3
76	Effects of Stocking Density on Stress Response and Susceptibility to Infectious Hematopoietic Necrosis Virus in Rainbow Trout. <i>Journal of the American Association for Laboratory Animal Science</i> , 2021, 60, 637-645.	0.6	3
77	Hepatic Lipidosis in a Research Colony of Big Brown Bats (<i>Eptesicus fuscus</i>). <i>Comparative Medicine</i> , 2015, 65, 133-9.	0.4	3
78	Training mouse pathologists: 16th annual workshop on the pathology of mouse models of human disease. <i>Lab Animal</i> , 2018, 47, 38-40.	0.2	2
79	What Is Your Neurologic Diagnosis?. <i>Journal of the American Veterinary Medical Association</i> , 2016, 248, 883-885.	0.2	1
80	Proliferative Cartilaginous Lesions in the Calcaneal Tendons of huNOG Mice. <i>Toxicologic Pathology</i> , 2017, 45, 952-956.	0.9	0
81	Can inhibition of retinoic acid biosynthesis function as a non-hormonal female contraceptive?. <i>Contraception</i> , 2018, 98, 141-143.	0.8	0
82	Determining Cause of Death and Contributing Causes of Death in Rodent Aging Studies. , 2018, , 195-209.		0
83	Lack of Effect of Murine Norovirus Infection on the CD4 ⁺ CD45RB ^{high} T-cell Adoptive Transfer Mouse Model of Inflammatory Bowel Disease. <i>Comparative Medicine</i> , 2020, 70, 16-24.	0.4	0
84	Polymerase delta and epsilon proofreading cooperate with MMR to suppress lethal mutations and cancer in mice. <i>FASEB Journal</i> , 2010, 24, 491.1.	0.2	0