

# Peter Vogel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6001244/publications.pdf>

Version: 2024-02-01

234  
papers

21,677  
citations

12330

69  
h-index

11308

136  
g-index

247  
all docs

247  
docs citations

247  
times ranked

31310  
citing authors

#	ARTICLE	IF	CITATIONS
1	HIF1 $\alpha$ -dependent glycolytic pathway orchestrates a metabolic checkpoint for the differentiation of TH17 and Treg cells. <i>Journal of Experimental Medicine</i> , 2011, 208, 1367-1376.	8.5	1,447
2	Immune Inhibitory Molecules LAG-3 and PD-1 Synergistically Regulate T-cell Function to Promote Tumoral Immune Escape. <i>Cancer Research</i> , 2012, 72, 917-927.	0.9	1,311
3	Synergism of TNF $\alpha$ and IFN $\gamma$ Triggers Inflammatory Cell Death, Tissue Damage, and Mortality in SARS-CoV-2 Infection and Cytokine Shock Syndromes. <i>Cell</i> , 2021, 184, 149-168.e17.	28.9	923
4	The NLRP3 Inflammasome Protects against Loss of Epithelial Integrity and Mortality during Experimental Colitis. <i>Immunity</i> , 2010, 32, 379-391.	14.3	830
5	mTORC1 couples immune signals and metabolic programming to establish Treg-cell function. <i>Nature</i> , 2013, 499, 485-490.	27.8	645
6	Stability and function of regulatory T cells is maintained by a neuropilin-1-semaphorin-4a axis. <i>Nature</i> , 2013, 501, 252-256.	27.8	489
7	ZBP1/DAI is an innate sensor of influenza virus triggering the NLRP3 inflammasome and programmed cell death pathways. <i>Science Immunology</i> , 2016, 1, .	11.9	464
8	Negative regulation of the NLRP3 inflammasome by A20 protects against arthritis. <i>Nature</i> , 2014, 512, 69-73.	27.8	419
9	TLR2 senses the SARS-CoV-2 envelope protein to produce inflammatory cytokines. <i>Nature Immunology</i> , 2021, 22, 829-838.	14.5	364
10	Autophagy enforces functional integrity of regulatory T cells by coupling environmental cues and metabolic homeostasis. <i>Nature Immunology</i> , 2016, 17, 277-285.	14.5	357
11	The NOD-Like Receptor NLRP12 Attenuates Colon Inflammation and Tumorigenesis. <i>Cancer Cell</i> , 2011, 20, 649-660.	16.8	343
12	NLRP6 negatively regulates innate immunity and host defence against bacterial pathogens. <i>Nature</i> , 2012, 488, 389-393.	27.8	328
13	IL-18 Production Downstream of the Nlrp3 Inflammasome Confers Protection against Colorectal Tumor Formation. <i>Journal of Immunology</i> , 2010, 185, 4912-4920.	0.8	326
14	Receptor interacting protein kinase 2-mediated mitophagy regulates inflammasome activation during virus infection. <i>Nature Immunology</i> , 2013, 14, 480-488.	14.5	320
15	T Cell Exit from Quiescence and Differentiation into Th2 Cells Depend on Raptor-mTORC1-Mediated Metabolic Reprogramming. <i>Immunity</i> , 2013, 39, 1043-1056.	14.3	316
16	Treg cells require the phosphatase PTEN to restrain TH1 and TFH cell responses. <i>Nature Immunology</i> , 2015, 16, 178-187.	14.5	309
17	Wnk1 kinase deficiency lowers blood pressure in mice: A gene-trap screen to identify potential targets for therapeutic intervention. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 14109-14114.	7.1	306
18	DAI Senses Influenza A Virus Genomic RNA and Activates RIPK3-Dependent Cell Death. <i>Cell Host and Microbe</i> , 2016, 20, 674-681.	11.0	292

#	ARTICLE	IF	CITATIONS
19	The transcription factor IRF1 and guanylate-binding proteins target activation of the AIM2 inflammasome by Francisella infection. <i>Nature Immunology</i> , 2015, 16, 467-475.	14.5	291
20	Critical Role for the DNA Sensor AIM2 in Stem Cell Proliferation and Cancer. <i>Cell</i> , 2015, 162, 45-58.	28.9	266
21	Dietary modulation of the microbiome affects autoinflammatory disease. <i>Nature</i> , 2014, 516, 246-249.	27.8	258
22	Caspase-6 Is a Key Regulator of Innate Immunity, Inflammasome Activation, and Host Defense. <i>Cell</i> , 2020, 181, 674-687.e13.	28.9	252
23	Interleukin-35 Limits Anti-Tumor Immunity. <i>Immunity</i> , 2016, 44, 316-329.	14.3	230
24	Concerted Activation of the AIM2 and NLRP3 Inflammasomes Orchestrates Host Protection against Aspergillus Infection. <i>Cell Host and Microbe</i> , 2015, 17, 357-368.	11.0	227
25	Toll or Interleukin-1 Receptor (TIR) Domain-containing Adaptor Inducing Interferon- $\beta$ (TRIF)-mediated Caspase-11 Protease Production Integrates Toll-like Receptor 4 (TLR4) Protein- and Nlrp3 Inflammasome-mediated Host Defense against Enteropathogens. <i>Journal of Biological Chemistry</i> , 2012, 287, 34474-34483.	3.4	211
26	Lipid signalling enforces functional specialization of Treg cells in tumours. <i>Nature</i> , 2021, 591, 306-311.	27.8	187
27	Innate immune priming in the absence of TAK1 drives RIPK1 kinase activity-independent pyroptosis, apoptosis, necroptosis, and inflammatory disease. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	178
28	Lipid-lowering effects of anti-angiopoietin-like 4 antibody recapitulate the lipid phenotype found in angiopoietin-like 4 knockout mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 11766-11771.	7.1	169
29	IL-33 regulates the IgA-microbiota axis to restrain IL-1 $\beta$ -dependent colitis and tumorigenesis. <i>Journal of Clinical Investigation</i> , 2016, 126, 4469-4481.	8.2	165
30	IL-10 modulates DSS-induced colitis through a macrophage $\beta$ -ROS $\beta$ -NO axis. <i>Mucosal Immunology</i> , 2014, 7, 869-878.	6.0	160
31	NLRC3 is an inhibitory sensor of PI3K $\beta$ -mTOR pathways in cancer. <i>Nature</i> , 2016, 540, 583-587.	27.8	160
32	ADAR1 restricts ZBP1-mediated immune response and PANoptosis to promote tumorigenesis. <i>Cell Reports</i> , 2021, 37, 109858.	6.4	157
33	RIP1-driven autoinflammation targets IL-1 $\beta$ independently of inflammasomes and RIP3. <i>Nature</i> , 2013, 498, 224-227.	27.8	149
34	Neuroinvasion by simian immunodeficiency virus coincides with increased numbers of perivascular macrophages/microglia and intrathecal immune activation. <i>Journal of NeuroVirology</i> , 1996, 2, 423-432.	2.1	148
35	Incomplete Inhibition of Sphingosine 1-Phosphate Lyase Modulates Immune System Function yet Prevents Early Lethality and Non-Lymphoid Lesions. <i>PLoS ONE</i> , 2009, 4, e4112.	2.5	145
36	Homeostatic control of metabolic and functional fitness of Treg cells by LKB1 signalling. <i>Nature</i> , 2017, 548, 602-606.	27.8	143

#	ARTICLE	IF	CITATIONS
37	GSDMD is critical for autoinflammatory pathology in a mouse model of Familial Mediterranean Fever. <i>Journal of Experimental Medicine</i> , 2018, 215, 1519-1529.	8.5	143
38	Metabolic heterogeneity underlies reciprocal fates of TH17 cell stemness and plasticity. <i>Nature</i> , 2019, 565, 101-105.	27.8	141
39	ADP-Ribosylation Factor-Like 3 Is Involved in Kidney and Photoreceptor Development. <i>American Journal of Pathology</i> , 2006, 168, 1288-1298.	3.8	138
40	SYK-CARD9 Signaling Axis Promotes Gut Fungi-Mediated Inflammasome Activation to Restrict Colitis and Colon Cancer. <i>Immunity</i> , 2018, 49, 515-530.e5.	14.3	138
41	Discovery and Characterization of Novel Tryptophan Hydroxylase Inhibitors That Selectively Inhibit Serotonin Synthesis in the Gastrointestinal Tract. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 325, 47-55.	2.5	136
42	mTOR coordinates transcriptional programs and mitochondrial metabolism of activated Treg subsets to protect tissue homeostasis. <i>Nature Communications</i> , 2018, 9, 2095.	12.8	133
43	Improved glycemic control in mice lacking Sglt1 and Sglt2. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 304, E117-E130.	3.5	130
44	Role of Inflammasomes in Host Defense against <i>Citrobacter rodentium</i> Infection. <i>Journal of Biological Chemistry</i> , 2012, 287, 16955-16964.	3.4	128
45	Interferon regulatory factor 1 regulates PANoptosis to prevent colorectal cancer. <i>JCI Insight</i> , 2020, 5, .	5.0	125
46	Congenital Hydrocephalus in Genetically Engineered Mice. <i>Veterinary Pathology</i> , 2012, 49, 166-181.	1.7	123
47	ULK1 and ULK2 Regulate Stress Granule Disassembly Through Phosphorylation and Activation of VCP/p97. <i>Molecular Cell</i> , 2019, 74, 742-757.e8.	9.7	123
48	Deleting DNMT3A in CAR T cells prevents exhaustion and enhances antitumor activity. <i>Science Translational Medicine</i> , 2021, 13, eabh0272.	12.4	123
49	<i>Salmonella</i> exploits NLRP12-dependent innate immune signaling to suppress host defenses during infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 385-390.	7.1	122
50	Cutting Edge: STING Mediates Protection against Colorectal Tumorigenesis by Governing the Magnitude of Intestinal Inflammation. <i>Journal of Immunology</i> , 2014, 193, 4779-4782.	0.8	115
51	An NLRP3 inflammasome-triggered Th2-biased adaptive immune response promotes leishmaniasis. <i>Journal of Clinical Investigation</i> , 2015, 125, 1329-1338.	8.2	113
52	Pyrin Inflammasome Regulates Tight Junction Integrity to Restrict Colitis and Tumorigenesis. <i>Gastroenterology</i> , 2018, 154, 948-964.e8.	1.3	112
53	Amelogenesis Imperfecta and Other Biomineralization Defects in <i>Fam20a</i> and <i>Fam20c</i> Null Mice. <i>Veterinary Pathology</i> , 2012, 49, 998-1017.	1.7	110
54	Exuberant fibroblast activity compromises lung function via ADAMTS4. <i>Nature</i> , 2020, 587, 466-471.	27.8	108

#	ARTICLE	IF	CITATIONS
55	Critical role for inflammasome-independent IL-1 $\beta$ production in osteomyelitis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1066-1071.	7.1	107
56	The Z $\beta$ 2 domain of ZBP1 is a molecular switch regulating influenza-induced PANoptosis and perinatal lethality during development. Journal of Biological Chemistry, 2020, 295, 8325-8330.	3.4	99
57	Drug Transporters on Arachnoid Barrier Cells Contribute to the Blood-Cerebrospinal Fluid Barrier. Drug Metabolism and Disposition, 2013, 41, 923-931.	3.3	97
58	Simian Immunodeficiency Virus Infection of Macaques: End-Stage Disease Is Characterized by Widespread Distribution of Proviral DNA in Tissues. Journal of Infectious Diseases, 1991, 163, 976-988.	4.0	96
59	Ascorbate Synthesis Pathway. Journal of Biological Chemistry, 2010, 285, 19510-19520.	3.4	96
60	Impaired Wound Healing Predisposes Obese Mice to Severe Influenza Virus Infection. Journal of Infectious Diseases, 2012, 205, 252-261.	4.0	96
61	Determination of the virulence of the pigmentation-deficient and pigmentation-/plasminogen activator-deficient strains of Yersinia pestis in non-human primate and mouse models of pneumonic plague. Vaccine, 2002, 20, 2206-2214.	3.8	94
62	Signaling via the kinase p38 $\beta$ programs dendritic cells to drive TH17 differentiation and autoimmune inflammation. Nature Immunology, 2012, 13, 152-161.	14.5	93
63	The NLRP12 Sensor Negatively Regulates Autoinflammatory Disease by Modulating Interleukin-4 Production in T Cells. Immunity, 2015, 42, 654-664.	14.3	91
64	High-throughput screening of mouse gene knockouts identifies established and novel skeletal phenotypes. Bone Research, 2014, 2, 14034.	11.4	90
65	Comparative Neurovirulence and Tissue Tropism of Wild-type and Attenuated Strains of Venezuelan Equine Encephalitis Virus Administered by Aerosol in C3H/HeN and BALB/c Mice. Veterinary Pathology, 1998, 35, 386-397.	1.7	85
66	Lung $\gamma\delta$ T Cells Mediate Protective Responses during Neonatal Influenza Infection that Are Associated with Type 2 Immunity. Immunity, 2018, 49, 531-544.e6.	14.3	85
67	Hippo Kinases Mst1 and Mst2 Sense and Amplify IL-2R-STAT5 Signaling in Regulatory T Cells to Establish Stable Regulatory Activity. Immunity, 2018, 49, 899-914.e6.	14.3	84
68	ZBP1-dependent inflammatory cell death, PANoptosis, and cytokine storm disrupt IFN therapeutic efficacy during coronavirus infection. Science Immunology, 2022, 7, eabo6294.	11.9	82
69	Reactive Oxygen Species Regulate Caspase-11 Expression and Activation of the Non-canonical NLRP3 Inflammasome during Enteric Pathogen Infection. PLoS Pathogens, 2014, 10, e1004410.	4.7	79
70	Situs Inversus in <i>Dpdc1/Poll</i> <sup>+/+</sup> , <i>Nme7</i> <sup>+/+</sup> , and <i>Pkd11l1</i> <sup>+/+</sup> Mice. Veterinary Pathology, 2010, 47, 120-131.	1.7	78
71	Galactosaminogalactan activates the inflammasome to provide host protection. Nature, 2020, 588, 688-692.	27.8	78
72	Regulators of the Proteasome Pathway, Uch37 and Rpn13, Play Distinct Roles in Mouse Development. PLoS ONE, 2010, 5, e13654.	2.5	77

#	ARTICLE	IF	CITATIONS
73	Amino Acids License Kinase mTORC1 Activity and Treg Cell Function via Small G Proteins Rag and Rheb. <i>Immunity</i> , 2019, 51, 1012-1027.e7.	14.3	76
74	Early Events in the Pathogenesis of Eastern Equine Encephalitis Virus in Mice. <i>American Journal of Pathology</i> , 2005, 166, 159-171.	3.8	71
75	Patrolling monocytes promote the pathogenesis of early lupus-like glomerulonephritis. <i>Journal of Clinical Investigation</i> , 2019, 129, 2251-2265.	8.2	70
76	MYCN amplification and ATRX mutations are incompatible in neuroblastoma. <i>Nature Communications</i> , 2020, 11, 913.	12.8	66
77	Tubulin Tyrosine Ligase-like 1 Deficiency Results in Chronic Rhinosinusitis and Abnormal Development of Spermatid Flagella in Mice. <i>Veterinary Pathology</i> , 2010, 47, 703-712.	1.7	65
78	Aerosolized specific antibody protects mice from lung injury associated with aerosolized ricin exposure. <i>Toxicology</i> , 1996, 34, 1037-1044.	1.6	64
79	Abcb11 Deficiency Induces Cholestasis Coupled to Impaired $\beta$ -Fatty Acid Oxidation in Mice. <i>Journal of Biological Chemistry</i> , 2012, 287, 24784-24794.	3.4	63
80	Cell-surface antigen profiling of pediatric brain tumors: B7-H3 is consistently expressed and can be targeted via local or systemic CAR T-cell delivery. <i>Neuro-Oncology</i> , 2021, 23, 999-1011.	1.2	63
81	Evidence of Horizontal Transmission of <i>Pneumocystis carinii</i> Pneumonia in Simian Immunodeficiency Virus-Infected Rhesus Macaques. <i>Journal of Infectious Diseases</i> , 1993, 168, 836-843.	4.0	62
82	Keratinocytes contribute intrinsically to psoriasis upon loss of <i>Tnfr1</i> function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6162-E6171.	7.1	62
83	Ocular Albinism and Hypopigmentation Defects in <i>Slc24a5</i> Mice. <i>Veterinary Pathology</i> , 2008, 45, 264-279.	1.7	61
84	Astrovirus infects actively secreting goblet cells and alters the gut mucus barrier. <i>Nature Communications</i> , 2020, 11, 2097.	12.8	61
85	Necroptosis restricts influenza A virus as a stand-alone cell death mechanism. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	60
86	Compromised respiratory function in lethal influenza infection is characterized by the depletion of type I alveolar epithelial cells beyond threshold levels. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2013, 304, L481-L488.	2.9	59
87	Homeostasis and transitional activation of regulatory T cells require c-Myc. <i>Science Advances</i> , 2020, 6, eaaw6443.	10.3	59
88	Mice Lacking $\beta$ Subunits of GlcNAc-1-Phosphotransferase Exhibit Growth Retardation, Retinal Degeneration, and Secretory Cell Lesions. , 2007, 48, 5221.		58
89	Requirement for Class II Phosphoinositide 3-Kinase $C2\beta$ in Maintenance of Glomerular Structure and Function. <i>Molecular and Cellular Biology</i> , 2011, 31, 63-80.	2.3	58
90	Frizzled 4 Is Required for Retinal Angiogenesis and Maintenance of the Blood-Retina Barrier. , 2011, 52, 6452.		58

#	ARTICLE	IF	CITATIONS
91	Expression of variants of the major surface glycoprotein of <i>Pneumocystis carinii</i> . <i>Journal of Experimental Medicine</i> , 1996, 183, 1229-1234.	8.5	57
92	NOTUM inhibition increases endocortical bone formation and bone strength. <i>Bone Research</i> , 2019, 7, 2.	11.4	57
93	Mouse Model of Sublethal and Lethal Intraperitoneal Glanders( <i>Burkholderia mallei</i> ). <i>Veterinary Pathology</i> , 2000, 37, 626-636.	1.7	55
94	A mouse model of hereditary folate malabsorption: deletion of the PCFT gene leads to systemic folate deficiency. <i>Blood</i> , 2011, 117, 4895-4904.	1.4	55
95	Aerosol infection of rhesus macaques with Junin virus. <i>Intervirology</i> , 1992, 33, 23-31.	2.8	55
96	Tyrosine Kinase SYK Licenses MyD88 Adaptor Protein to Instigate IL-1 $\beta$ -Mediated Inflammatory Disease. <i>Immunity</i> , 2017, 46, 635-648.	14.3	53
97	Fungal ligands released by innate immune effectors promote inflammasome activation during <i>Aspergillus fumigatus</i> infection. <i>Nature Microbiology</i> , 2019, 4, 316-327.	13.3	53
98	Murine UDP-GlcNAc:Lysosomal Enzyme N-Acetylglucosamine-1-phosphotransferase Lacking the $\beta$ -Subunit Retains Substantial Activity toward Acid Hydrolases. <i>Journal of Biological Chemistry</i> , 2007, 282, 27198-27203.	3.4	51
99	Targeted disruption of leucine-rich repeat kinase 1 but not leucine-rich repeat kinase 2 in mice causes severe osteopetrosis. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 1962-1974.	2.8	51
100	Osteoclast fusion and bone loss are restricted by interferon inducible guanylate binding proteins. <i>Nature Communications</i> , 2021, 12, 496.	12.8	51
101	The Hamster Model of Intraperitoneal <i>Burkholderia mallei</i> (Glanders). <i>Veterinary Pathology</i> , 1999, 36, 276-291.	1.7	50
102	Regulatory T Cells Limit Induction of Protective Immunity and Promote Immune Pathology following Intestinal Helminth Infection. <i>Journal of Immunology</i> , 2014, 192, 2904-2912.	0.8	50
103	IL-10 engages macrophages to shift Th17 cytokine dependency and pathogenicity during T-cell-mediated colitis. <i>Nature Communications</i> , 2015, 6, 6131.	12.8	50
104	<i>GREMLIN 2</i> Mutations and Dental Anomalies. <i>Journal of Dental Research</i> , 2015, 94, 1646-1652.	5.2	49
105	Acute Lung Injury Results from Innate Sensing of Viruses by an ER Stress Pathway. <i>Cell Reports</i> , 2015, 11, 1591-1603.	6.4	48
106	Combinations of Oseltamivir and T-705 Extend the Treatment Window for Highly Pathogenic Influenza A(H5N1) Virus Infection in Mice. <i>Scientific Reports</i> , 2016, 6, 26742.	3.3	48
107	Profound Obesity Secondary to Hyperphagia in Mice Lacking Kinase Suppressor of Ras 2. <i>Obesity</i> , 2011, 19, 1010-1018.	3.0	47
108	Transforming growth factor beta-activated kinase 1 (TAK1)-dependent checkpoint in the survival of dendritic cells promotes immune homeostasis and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E343-52.	7.1	47

#	ARTICLE	IF	CITATIONS
109	The Hemagglutinin Stem-Binding Monoclonal Antibody VIS410 Controls Influenza Virus-Induced Acute Respiratory Distress Syndrome. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 2118-2131.	3.2	46
110	Mouse Fkbp8 activity is required to inhibit cell death and establish dorso-ventral patterning in the posterior neural tube. <i>Human Molecular Genetics</i> , 2008, 17, 587-601.	2.9	44
111	Comparative Pathology of Murine Mucopolidosis Types II and IIIC. <i>Veterinary Pathology</i> , 2009, 46, 313-324.	1.7	42
112	Primary Epiphyseal Arteriopathy in a Mouse Model of Steroid-Induced Osteonecrosis. <i>American Journal of Pathology</i> , 2013, 183, 19-25.	3.8	42
113	A Novel Cytotoxic Sequence Contributes to Influenza A Viral Protein PB1-F2 Pathogenicity and Predisposition to Secondary Bacterial Infection. <i>Journal of Virology</i> , 2014, 88, 503-515.	3.4	42
114	Critical roles of mTORC1 signaling and metabolic reprogramming for M-CSF-mediated myelopoiesis. <i>Journal of Experimental Medicine</i> , 2017, 214, 2629-2647.	8.5	42
115	Genetic Deletion of Mst1 Alters T Cell Function and Protects against Autoimmunity. <i>PLoS ONE</i> , 2014, 9, e98151.	2.5	41
116	Diacylglycerol Lipase Knockout Mice Demonstrate Metabolic and Behavioral Phenotypes Similar to Those of Cannabinoid Receptor 1 Knockout Mice. <i>Frontiers in Endocrinology</i> , 2015, 6, 86.	3.5	40
117	Netrin-2 and netrin-2 ligand are both required for normal auditory responsiveness. <i>Genes, Brain and Behavior</i> , 2008, 7, 385-392.	2.2	38
118	A live-attenuated pneumococcal vaccine elicits CD4 <sup>+</sup> T cell dependent class switching and provides serotype independent protection against acute otitis media. <i>EMBO Molecular Medicine</i> , 2014, 6, 141-154.	6.9	38
119	Ectonucleoside Triphosphate Diphosphohydrolase Type 5 (Entpd5)-Deficient Mice Develop Progressive Hepatopathy, Hepatocellular Tumors, and Spermatogenic Arrest. <i>Veterinary Pathology</i> , 2009, 46, 491-504.	1.7	37
120	Cardiomyopathy in Kinase 3 (ALPK3) Deficient Mice. <i>Veterinary Pathology</i> , 2012, 49, 131-141.	1.7	37
121	The severity of hereditary porphyria is modulated by the porphyrin exporter and Lan antigen ABCB6. <i>Nature Communications</i> , 2016, 7, 12353.	12.8	37
122	An Epithelial Integrin Regulates the Amplitude of Protective Lung Interferon Responses against Multiple Respiratory Pathogens. <i>PLoS Pathogens</i> , 2016, 12, e1005804.	4.7	37
123	Human H7N9 and H5N1 Influenza Viruses Differ in Induction of Cytokines and Tissue Tropism. <i>Journal of Virology</i> , 2014, 88, 12982-12991.	3.4	36
124	Telomerase Expression by Aberrant Methylation of the TERT Promoter in Melanoma Arising in Giant Congenital Nevi. <i>Journal of Investigative Dermatology</i> , 2016, 136, 339-342.	0.7	36
125	Multikinase Inhibitors Induce Cutaneous Toxicity through OAT6-Mediated Uptake and MAP3K7-Driven Cell Death. <i>Cancer Research</i> , 2016, 76, 117-126.	0.9	36
126	CRISPR screens unveil signal hubs for nutrient licensing of T cell immunity. <i>Nature</i> , 2021, 600, 308-313.	27.8	36



#	ARTICLE	IF	CITATIONS
127	Rapid development of glomerular injury and renal failure in mice lacking p53R2. <i>Pediatric Nephrology</i> , 2005, 20, 432-440.	1.7	35
128	Histopathological and Neurological Features of Atg4b Knockout Mice. <i>Veterinary Pathology</i> , 2011, 48, 486-494.	1.7	35
129	DDX3X coordinates host defense against influenza virus by activating the NLRP3 inflammasome and type I interferon response. <i>Journal of Biological Chemistry</i> , 2021, 296, 100579.	3.4	35
130	Learning and memory impairment in Eph receptor A6 knockout mice. <i>Neuroscience Letters</i> , 2008, 438, 205-209.	2.1	34
131	An Early Onset Progressive Motor Neuron Disorder in Scyl1-Deficient Mice Is Associated with Mislocalization of TDP-43. <i>Journal of Neuroscience</i> , 2012, 32, 16560-16573.	3.6	34
132	Maternal bile acid transporter deficiency promotes neonatal demise. <i>Nature Communications</i> , 2015, 6, 8186.	12.8	34
133	Dynamically linking influenza virus infection kinetics, lung injury, inflammation, and disease severity. <i>ELife</i> , 2021, 10, .	6.0	34
134	TNF/TNFR axis promotes pyrin inflammasome activation and distinctly modulates pyrin inflammasomopathy. <i>Journal of Clinical Investigation</i> , 2018, 129, 150-162.	8.2	34
135	Enhanced Susceptibility of Ago1/3 Double-Null Mice to Influenza A Virus Infection. <i>Journal of Virology</i> , 2012, 86, 4151-4157.	3.4	33
136	Activation of Sonic hedgehog signaling in neural progenitor cells promotes glioma development in the zebrafish optic pathway. <i>Oncogenesis</i> , 2014, 3, e96-e96.	4.9	33
137	Exploring the elephant: histopathology in high-throughput phenotyping of mutant mice. <i>DMM Disease Models and Mechanisms</i> , 2012, 5, 19-25.	2.4	32
138	Recipient Myeloid-Derived Immunomodulatory Cells Induce PD-1 Ligand-Dependent Donor CD4+Foxp3+ Regulatory T Cell Proliferation and Donor-Recipient Immune Tolerance after Murine Nonmyeloablative Bone Marrow Transplantation. <i>Journal of Immunology</i> , 2013, 191, 5764-5776.	0.8	31
139	AMKL chimeric transcription factors are potent inducers of leukemia. <i>Leukemia</i> , 2017, 31, 2228-2234.	7.2	31
140	H1N1 influenza viruses varying widely in hemagglutinin stability transmit efficiently from swine to swine and to ferrets. <i>PLoS Pathogens</i> , 2017, 13, e1006276.	4.7	29
141	Protein Prenylation Drives Discrete Signaling Programs for the Differentiation and Maintenance of Effector Treg Cells. <i>Cell Metabolism</i> , 2020, 32, 996-1011.e7.	16.2	28
142	Consequences of Vitamin A Deficiency: Immunoglobulin Dysregulation, Squamous Cell Metaplasia, Infectious Disease, and Death. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5570.	4.1	28
143	A Single Point Mutation (Y89F) within the Non-Structural Protein 1 of Influenza A Viruses Limits Epithelial Cell Tropism and Virulence in Mice. <i>American Journal of Pathology</i> , 2012, 180, 2361-2374.	3.8	27
144	Differential Host Response, Rather Than Early Viral Replication Efficiency, Correlates with Pathogenicity Caused by Influenza Viruses. <i>PLoS ONE</i> , 2013, 8, e74863.	2.5	27

#	ARTICLE	IF	CITATIONS
145	Control of IL-17 receptor signaling and tissue inflammation by the p38 <sup>MAPK</sup> -1 signaling axis in a mouse model of multiple sclerosis. <i>Science Signaling</i> , 2015, 8, ra24.	3.6	27
146	Pathology of Congenital Generalized Lipodystrophy in <i>Agpat2</i> <sup>−/−</sup> Mice. <i>Veterinary Pathology</i> , 2011, 48, 642-654.	1.7	26
147	IL-1 <sup>β</sup> and Caspase-1 Drive Autoinflammatory Disease Independently of IL-1 <sup>α</sup> or Caspase-8 in a Mouse Model of Familial Mediterranean Fever. <i>American Journal of Pathology</i> , 2017, 187, 236-244.	3.8	26
148	A Perfect Storm: Increased Colonization and Failure of Vaccination Leads to Severe Secondary Bacterial Infection in Influenza Virus-Infected Obese Mice. <i>MBio</i> , 2017, 8, .	4.1	26
149	Mice Lacking Mannose 6-Phosphate Uncovering Enzyme Activity Have a Milder Phenotype than Mice Deficient for <i>N</i> -Acetylglucosamine-1-Phosphotransferase Activity. <i>Molecular Biology of the Cell</i> , 2009, 20, 4381-4389.	2.1	25
150	Malformation of Incisor Teeth in <i>Grem2</i> <sup>−/−</sup> Mice. <i>Veterinary Pathology</i> , 2015, 52, 224-229.	1.7	25
151	Characterization of a Multicopy Family of Genes Encoding a Surface-Expressed Serine Endoprotease in Rat <i>Pneumocystis carinii</i> . <i>Proceedings of the Association of American Physicians</i> , 1999, 111, 347-356.	2.0	25
152	Ligation of mouse L4 and L5 spinal nerves produces robust allodynia without major motor function deficit. <i>Behavioural Brain Research</i> , 2015, 276, 99-110.	2.2	24
153	Critical role of caspase-8-mediated IL-1 signaling in promoting Th2 responses during asthma pathogenesis. <i>Mucosal Immunology</i> , 2017, 10, 128-138.	6.0	24
154	Molecular basis of mammalian transmissibility of avian H1N1 influenza viruses and their pandemic potential. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11217-11222.	7.1	24
155	Dentin Dysplasia in <i>Notum</i> Knockout Mice. <i>Veterinary Pathology</i> , 2016, 53, 853-862.	1.7	23
156	Allergic inflammation alters the lung microbiome and hinders synergistic co-infection with H1N1 influenza virus and <i>Streptococcus pneumoniae</i> in C57BL/6 mice. <i>Scientific Reports</i> , 2019, 9, 19360.	3.3	23
157	Combinatorial screening using orthotopic patient derived xenograft-expanded early phase cultures of osteosarcoma identify novel therapeutic drug combinations. <i>Cancer Letters</i> , 2019, 442, 262-270.	7.2	23
158	Globule Leukocytes and Other Mast Cells in the Mouse Intestine. <i>Veterinary Pathology</i> , 2018, 55, 76-97.	1.7	22
159	The Weaned Pig as a Model for Doxorubicin-Induced Mucositis. <i>Chemotherapy</i> , 2014, 60, 24-36.	1.6	21
160	Predicting human disease mutations and identifying drug targets from mouse gene knockout phenotyping campaigns. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	2.4	21
161	Early Toxicology Signal Generation in the Mouse. <i>Toxicologic Pathology</i> , 2010, 38, 452-471.	1.8	20
162	DOCK2 confers immunity and intestinal colonization resistance to <i>Citrobacter rodentium</i> infection. <i>Scientific Reports</i> , 2016, 6, 27814.	3.3	20

#	ARTICLE	IF	CITATIONS
163	Neurologic Abnormalities in Mouse Models of the Lysosomal Storage Disorders Mucopolipidosis II and Mucopolipidosis III $\beta$ . PLoS ONE, 2014, 9, e109768.	2.5	20
164	Keratinocyte Migration in the Developing Eyelid Requires LIMK2. PLoS ONE, 2012, 7, e47168.	2.5	19
165	The T Cell Response to IL-10 Alters Cellular Dynamics and Paradoxically Promotes Central Nervous System Autoimmunity. Journal of Immunology, 2012, 189, 669-678.	0.8	18
166	Characterizing a Murine Model for Astrovirus Using Viral Isolates from Persistently Infected Immunocompromised Mice. Journal of Virology, 2019, 93, .	3.4	18
167	Classification, Scoring, and Quantification of Cell Death in Tissue Sections. Veterinary Pathology, 2019, 56, 33-38.	1.7	18
168	Hemagglutinin Stability Regulates H1N1 Influenza Virus Replication and Pathogenicity in Mice by Modulating Type I Interferon Responses in Dendritic Cells. Journal of Virology, 2020, 94, .	3.4	18
169	Vitamin A deficient mice exhibit increased viral antigens and enhanced cytokine/chemokine production in nasal tissues following respiratory virus infection despite the presence of FoxP3 + T cells. International Immunology, 2016, 28, 139-152.	4.0	17
170	The PA Endonuclease Inhibitor RO-7 Protects Mice from Lethal Challenge with Influenza A or B Viruses. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	17
171	Overlapping Role of SCYL1 and SCYL3 in Maintaining Motor Neuron Viability. Journal of Neuroscience, 2018, 38, 2615-2630.	3.6	17
172	ASK Family Kinases Are Required for Optimal NLRP3 Inflammasome Priming. American Journal of Pathology, 2018, 188, 1021-1030.	3.8	17
173	Requirement for antiapoptotic MCL-1 during early erythropoiesis. Blood, 2021, 137, 1945-1958.	1.4	17
174	Exogenous remodeling of lung resident macrophages protects against infectious consequences of bone marrow-suppressive chemotherapy. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6153-E6161.	7.1	16
175	Tuberous Sclerosis Complex Axis Controls Renal Extracellular Vesicle Production and Protein Content. International Journal of Molecular Sciences, 2020, 21, 1729.	4.1	16
176	A MyD88/IL1R Axis Regulates PD-1 Expression on Tumor-Associated Macrophages and Sustains Their Immunosuppressive Function in Melanoma. Cancer Research, 2021, 81, 2358-2372.	0.9	16
177	Cardiomyopathy Associated with Angiomatous Pheochromocytoma in a Rhesus Macaque (Macaca Tj ETQq1 1 0.784314 rgBT/Overl	1.7	15
178	Rapalog resistance is associated with mesenchymal-type changes in Tsc2-null cells. Scientific Reports, 2019, 9, 3015.	3.3	15
179	Morphologic and Immunohistochemical Characterization of Spontaneous Lymphoma/Leukemia in NSG Mice. Veterinary Pathology, 2020, 57, 160-171.	1.7	15
180	Interferon inducible GBPs restrict Burkholderia thailandensis motility induced cell-cell fusion. PLoS Pathogens, 2020, 16, e1008364.	4.7	15

#	ARTICLE	IF	CITATIONS
181	Spontaneous Acute Tumor Lysis Syndrome as a Cause of Early Deaths in Short-Term Carcinogenicity Studies Using <i>p53</i> <sup>+/+</sup> Mice. <i>Veterinary Pathology</i> , 2010, 47, 719-724.	1.7	14
182	Nonstructural Protein 1 (NS1)-Mediated Inhibition of c-Abl Results in Acute Lung Injury and Priming for Bacterial Co-infections: Insights Into 1918 H1N1 Pandemic?. <i>Journal of Infectious Diseases</i> , 2015, 211, 1418-1428.	4.0	14
183	Autoimmune susceptibility imposed by public TCR $\hat{2}$ chains. <i>Scientific Reports</i> , 2016, 6, 37543.	3.3	14
184	Non-invasive Imaging of Sendai Virus Infection in Pharmacologically Immunocompromised Mice: NK and T Cells, but not Neutrophils, Promote Viral Clearance after Therapy with Cyclophosphamide and Dexamethasone. <i>PLoS Pathogens</i> , 2016, 12, e1005875.	4.7	14
185	Drak2 is not required for tumor surveillance and suppression. <i>International Immunology</i> , 2015, 27, 161-166.	4.0	13
186	Nephronophthisis and Retinal Degeneration in <i>Tmem218</i> <sup>+/+</sup> Mice. <i>Veterinary Pathology</i> , 2015, 52, 580-595.	1.7	13
187	Pathogenicity and peramivir efficacy in immunocompromised murine models of influenza B virus infection. <i>Scientific Reports</i> , 2017, 7, 7345.	3.3	13
188	A pharmacologically immunosuppressed mouse model for assessing influenza B virus pathogenicity and oseltamivir treatment. <i>Antiviral Research</i> , 2017, 148, 20-31.	4.1	13
189	SIL1, the ER Hsp70 co-chaperone, plays a critical role in maintaining skeletal muscle proteostasis and physiology. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	2.4	13
190	Replication and pathogenic potential of influenza A virus subtypes H3, H7, and H15 from free-range ducks in Bangladesh in mammals. <i>Emerging Microbes and Infections</i> , 2018, 7, 1-13.	6.5	13
191	Effect of Vitamin A Deficiency in Dysregulating Immune Responses to Influenza Virus and Increasing Mortality Rates After Bacterial Coinfections. <i>Journal of Infectious Diseases</i> , 2021, 223, 1806-1816.	4.0	13
192	An Alternative Splicing Variant in <i>Clcn7</i> <sup>+/+</sup> Mice Prevents Osteopetrosis but Not Neural and Retinal Degeneration. <i>Veterinary Pathology</i> , 2011, 48, 663-675.	1.7	12
193	Hierarchical Cell Death Program Disrupts the Intracellular Niche Required for <i>Burkholderia thailandensis</i> Pathogenesis. <i>MBio</i> , 2021, 12, e0105921.	4.1	12
194	Spontaneous Acute Tumor Lysis Syndrome in a DBA/1J Mouse: A Case Report and Review. <i>Toxicologic Pathology</i> , 2003, 31, 486-490.	1.8	11
195	Relationships among Dissemination of Primary Parainfluenza Virus Infection in the Respiratory Tract, Mucosal and Peripheral Immune Responses, and Protection from Reinfection: a Noninvasive Bioluminescence-Imaging Study. <i>Journal of Virology</i> , 2015, 89, 3568-3583.	3.4	10
196	Extracellular Signal-Regulated Kinase Signaling in CD4-Expressing Cells Inhibits Osteochondromas. <i>Frontiers in Immunology</i> , 2017, 8, 482.	4.8	10
197	Genetic characterization and pathogenic potential of H10 avian influenza viruses isolated from live poultry markets in Bangladesh. <i>Scientific Reports</i> , 2018, 8, 10693.	3.3	10
198	Virulent PB1-F2 residues: effects on fitness of H1N1 influenza A virus in mice and changes during evolution of human influenza A viruses. <i>Scientific Reports</i> , 2018, 8, 7474.	3.3	10

#	ARTICLE	IF	CITATIONS
199	Spectrum of Posttransplant Lymphoproliferations in NSG Mice and Their Association With EBV Infection After Engraftment of Pediatric Solid Tumors. <i>Veterinary Pathology</i> , 2020, 57, 445-456.	1.7	10
200	Toxicity of the staphylococcal enterotoxin B mutants with histidine-to-tyrosine substitutions. <i>Toxicology</i> , 2003, 187, 229-238.	4.2	9
201	Development of Mast Cell and Eosinophil Hyperplasia and HLH/MAS-Like Disease in NSG-SGM3 Mice Receiving Human CD34+ Hematopoietic Stem Cells or Patient-Derived Leukemia Xenografts. <i>Veterinary Pathology</i> , 2021, 58, 181-204.	1.7	9
202	Tsc2 mutation induces renal tubular cell nonautonomous disease. <i>Genes and Diseases</i> , 2022, 9, 187-200.	3.4	9
203	Competitive Fitness of Influenza B Viruses Possessing E119A and H274Y Neuraminidase Inhibitor Resistance-Associated Substitutions in Ferrets. <i>PLoS ONE</i> , 2016, 11, e0159847.	2.5	9
204	Spontaneous Acute Tumor Lysis Syndrome in a DBA/1J Mouse: A Case Report and Review. <i>Toxicologic Pathology</i> , 2003, 31, 486-490.	1.8	9
205	Cryptogenic Organizing Pneumonia in <i>Tomm5</i> Mice. <i>Veterinary Pathology</i> , 2013, 50, 65-75.	1.7	8
206	Detection of Phenotypic Alterations Using High-Content Analysis of Whole-Slide Images. <i>Journal of Histochemistry and Cytochemistry</i> , 2016, 64, 301-310.	2.5	8
207	High-Throughput Screening of Mouse Gene Knockouts Identifies Established and Novel High Body Fat Phenotypes. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021, Volume 14, 3753-3785.	2.4	8
208	The agents of biological warfare. <i>JAMA - Journal of the American Medical Association</i> , 1997, 278, 438-439.	7.4	8
209	Bidirectional immune tolerance in nonmyeloablative MHC-mismatched BMT for murine $\beta^2$ -thalassemia. <i>Blood</i> , 2017, 129, 3017-3030.	1.4	7
210	Tissue-Specific Regulation of the Wnt/ $\beta^2$ -Catenin Pathway by PAGE4 Inhibition of Tankyrase. <i>Cell Reports</i> , 2020, 32, 107922.	6.4	7
211	Histopathology is required to identify and characterize myopathies in high-throughput phenotype screening of genetically engineered mice. <i>Veterinary Pathology</i> , 2021, 58, 030098582110305.	1.7	7
212	Rapid Postmortem Invasion of Cecal Mucosa of Macaques by Nonpathogenic <i>Entamoeba chattoni</i> . <i>American Journal of Tropical Medicine and Hygiene</i> , 1996, 55, 595-602.	1.4	7
213	Dynamics of Sendai Virus Spread, Clearance, and Immunotherapeutic Efficacy after Hematopoietic Cell Transplant Imaged Noninvasively in Mice. <i>Journal of Virology</i> , 2018, 92, .	3.4	6
214	Optimizing T-705 (favipiravir) treatment of severe influenza B virus infection in the immunocompromised mouse model. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 1333-1341.	3.0	6
215	Progressive Degenerative Myopathy and Myosteatorsis in ASNSD1-Deficient Mice. <i>Veterinary Pathology</i> , 2020, 57, 723-735.	1.7	6
216	Continued Evolution of H5Nx Avian Influenza Viruses in Bangladeshi Live Poultry Markets: Pathogenic Potential in Poultry and Mammalian Models. <i>Journal of Virology</i> , 2020, 94, .	3.4	6

#	ARTICLE	IF	CITATIONS
217	Dynamic Pneumococcal Genetic Adaptations Support Bacterial Growth and Inflammation during Coinfection with Influenza. <i>Infection and Immunity</i> , 2021, 89, e0002321.	2.2	6
218	The Transcription Factor IRF9 Promotes Colorectal Cancer via Modulating the IL-6/STAT3 Signaling Axis. <i>Cancers</i> , 2022, 14, 919.	3.7	6
219	An epitope-optimized human H3N2 influenza vaccine induces broadly protective immunity in mice and ferrets. <i>Npj Vaccines</i> , 2022, 7, .	6.0	6
220	Antibody-secreting cells in respiratory tract tissues in the absence of eosinophils as supportive partners. <i>International Immunology</i> , 2016, 28, 559-564.	4.0	5
221	ATG14 and RB1CC1 play essential roles in maintaining muscle homeostasis. <i>Autophagy</i> , 2021, 17, 2576-2585.	9.1	5
222	Cardiopulmonary Injury in the Syrian Hamster Model of COVID-19. <i>Viruses</i> , 2022, 14, 1403.	3.3	5
223	Efficacy of Aminomethyl Spectinomycins against Complex Upper Respiratory Tract Bacterial Infections. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	4
224	Ambulatory electrocardiography (Holter monitoring) in caged monkeys. <i>Laboratory Animals</i> , 1991, 25, 16-20.	1.0	3
225	Monoclonal Antibody Therapy Protects Pharmacologically Immunosuppressed Mice from Lethal Infection with Influenza B Virus. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	3
226	PATHBIO: an international training program for precision mouse phenotyping. <i>Mammalian Genome</i> , 2020, 31, 49-53.	2.2	2
227	Might Routine Vitamin A Monitoring in Cystic Fibrosis Patients Reduce Virus-Mediated Lung Pathology?. <i>Frontiers in Immunology</i> , 2021, 12, 704391.	4.8	2
228	Response to Guest Editorial (â€œ<i>Veterinary Pathology</i> Under the Microscope: Planning for the) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.7	1
229	Non-Myeloablative TLI/ATG + Alkylator Conditioning Augments Bidirectional Immune Tolerance Via Regulatory MDSC in a Robust Murine Model of MHC-Mismatched BMT for Beta-Thalassemia. <i>Biology of Blood and Marrow Transplantation</i> , 2015, 21, S346.	2.0	1
230	HIF1aâ€œdependent glycolytic pathway orchestrates a metabolic checkpoint for the differentiation of TH17 and Treg cells. <i>Journal of Cell Biology</i> , 2011, 194, i1-i1.	5.2	1
231	Thymic Irradiation Is Required for Transplantation Tolerance After TLI/ATS Non-Myeloablative Conditioning. <i>Biology of Blood and Marrow Transplantation</i> , 2011, 17, S333-S334.	2.0	0
232	Host Myeloid-Derived Suppressor Cells Induce Donor Treg Proliferation and Transplantation Tolerance Via IL-4RÎ±/STAT6 After TLI/ATS Non-Myeloablative BMT. <i>Biology of Blood and Marrow Transplantation</i> , 2011, 17, S334.	2.0	0
233	Abstract LB-251: The checkpoint molecules LAG-3 and PD-1 synergize to maintain tolerance to tumors. , 2011, , .		0
234	Novel AMKL Chimeric Transcription Factors Are Potent Inducers of Leukemia with Unique Mechanisms of Leukemogenesis. <i>Blood</i> , 2014, 124, 477-477.	1.4	0