Stanley Perlman

List of Publications by Year
in descending order

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304	43,938	4383 86	2743 192
papers	citations	h-index	g-index

396	396	396	55135
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The species Severe acute respiratory syndrome-related coronavirus: classifying 2019-nCoV and naming it SARS-CoV-2. Nature Microbiology, 2020, 5, 536-544.	5.9	5,799
2	Coronaviruses: An Overview of Their Replication and Pathogenesis. Methods in Molecular Biology, 2015, 1282, 1-23.	0.4	2,664
3	Pathogenic human coronavirus infections: causes and consequences of cytokine storm and immunopathology. Seminars in Immunopathology, 2017, 39, 529-539.	2.8	2,041
4	Coronaviruses post-SARS: update on replication and pathogenesis. Nature Reviews Microbiology, 2009, 7, 439-450.	13.6	1,371
5	Dysregulated Type I Interferon and Inflammatory Monocyte-Macrophage Responses Cause Lethal Pneumonia in SARS-CoV-Infected Mice. Cell Host and Microbe, 2016, 19, 181-193.	5.1	1,284
6	Severe Acute Respiratory Syndrome Coronavirus Infection Causes Neuronal Death in the Absence of Encephalitis in Mice Transgenic for Human ACE2. Journal of Virology, 2008, 82, 7264-7275.	1.5	1,101
7	Middle East respiratory syndrome. Lancet, The, 2015, 386, 995-1007.	6.3	1,033
8	Commentary: Middle East Respiratory Syndrome Coronavirus (MERS-CoV): Announcement of the Coronavirus Study Group. Journal of Virology, 2013, 87, 7790-7792.	1.5	1,012
9	Lethal Infection of K18- hACE2 Mice Infected with Severe Acute Respiratory Syndrome Coronavirus. Journal of Virology, 2007, 81, 813-821.	1.5	904
10	ACE2 Receptor Expression and Severe Acute Respiratory Syndrome Coronavirus Infection Depend on Differentiation of Human Airway Epithelia. Journal of Virology, 2005, 79, 14614-14621.	1.5	782
11	Antiâ€“spike IgG causes severe acute lung injury by skewing macrophage responses during acute SARS-CoV infection. JCI Insight, 2019, 4, .	2.3	742
12	Another Decade, Another Coronavirus. New England Journal of Medicine, 2020, 382, 760-762.	13.9	734
13	Sex-Based Differences in Susceptibility to Severe Acute Respiratory Syndrome Coronavirus Infection. Journal of Immunology, 2017, 198, 4046-4053.	0.4	718
14	Animal models for COVID-19. Nature, 2020, 586, 509-515.	13.7	705
15	A Transmembrane Serine Protease Is Linked to the Severe Acute Respiratory Syndrome Coronavirus Receptor and Activates Virus Entry. Journal of Virology, 2011, 85, 873-882.	1.5	611
16	Kinetics of viral load and antibody response in relation to COVID-19 severity. Journal of Clinical Investigation, 2020, 130, 5235-5244.	3.9	501
17	A SARS-CoV-2 Infection Model in Mice Demonstrates Protection by Neutralizing Antibodies. Cell, 2020, 182, 744-753.e4.	13.5	486
18	SARS-CoV-2 Omicron virus causes attenuated disease in mice and hamsters. Nature, 2022, 603, 687-692.	13.7	475

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19	Airway Memory CD4 + T Cells Mediate Protective Immunity against Emerging Respiratory Coronaviruses. Immunity, 2016, 44, 1379-1391.	6.6	468
20	IFN-I response timing relative to virus replication determines MERS coronavirus infection outcomes. Journal of Clinical Investigation, 2019, 129, 3625-3639.	3.9	460
21	Immunopathogenesis of coronavirus infections: implications for SARS. Nature Reviews Immunology, 2005, 5, 917-927.	10.6	452
22	T cell-mediated immune response to respiratory coronaviruses. Immunologic Research, 2014, 59, 118-128.	1.3	448
23	Î²-Coronaviruses Use Lysosomes for Egress Instead of the Biosynthetic Secretory Pathway. Cell, 2020, 183, 1520-1535.e14.	13.5	441
24	Virus-Specific Memory CD8 T Cells Provide Substantial Protection from Lethal Severe Acute Respiratory Syndrome Coronavirus Infection. Journal of Virology, 2014, 88, 11034-11044.	1.5	407
25	Rapid generation of a mouse model for Middle East respiratory syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4970-4975.	3.3	399
26	Generation of a Broadly Useful Model for COVID-19 Pathogenesis, Vaccination, and Treatment. Cell, 2020, 182, 734-743.e5.	13.5	398
27	COVID-19 treatments and pathogenesis including anosmia in K18-hACE2 mice. Nature, 2021, 589, 603-607.	13.7	394
28	Middle East Respiratory Syndrome Coronavirus Causes Multiple Organ Damage and Lethal Disease in Mice Transgenic for Human Dipeptidyl Peptidase 4. Journal of Infectious Diseases, 2016, 213, 712-722.	1.9	375
29	Middle East respiratory syndrome. Lancet, The, 2020, 395, 1063-1077.	6.3	358
30	T Cell Responses Are Required for Protection from Clinical Disease and for Virus Clearance in Severe Acute Respiratory Syndrome Coronavirus-Infected Mice. Journal of Virology, 2010, 84, 9318-9325.	1.5	344
31	Inhibition of NF-Î°B-Mediated Inflammation in Severe Acute Respiratory Syndrome Coronavirus-Infected Mice Increases Survival. Journal of Virology, 2014, 88, 913-924.	1.5	344
32	Lessons for COVID-19 Immunity from Other Coronavirus Infections. Immunity, 2020, 53, 248-263.	6.6	281
33	Proteolytic processing of Middle East respiratory syndrome coronavirus spikes expands virus tropism. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12262-12267.	3.3	272
34	Recovery from the Middle East respiratory syndrome is associated with antibody and T cell responses. Science Immunology, 2017, 2, .	5.6	252
35	Role of Severe Acute Respiratory Syndrome Coronavirus Viroporins E, 3a, and 8a in Replication and Pathogenesis. MBio, 2018, 9, .	1.8	248
36	Age-related increases in PGD2 expression impair respiratory DC migration, resulting in diminished T cell responses upon respiratory virus infection in mice. Journal of Clinical Investigation, 2011, 121, 4921-4930.	3.9	228

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37	Middle East Respiratory Syndrome: Emergence of a Pathogenic Human Coronavirus. Annual Review of Medicine, 2017, 68, 387-399.	5.0	219
38	Prophylactic and postexposure efficacy of a potent human monoclonal antibody against MERS coronavirus. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10473-10478.	3.3	198
39	The Conserved Coronavirus Macrodomain Promotes Virulence and Suppresses the Innate Immune Response during Severe Acute Respiratory Syndrome Coronavirus Infection. MBio, 2016, 7, .	1.8	198
40	SREBP-dependent lipidomic reprogramming as a broad-spectrum antiviral target. Nature Communications, 2019, 10, 120.	5.8	192
41	CD4 and CD8 T Cells Have Redundant But Not Identical Roles in Virus-Induced Demyelination. Journal of Immunology, 2000, 165, 2278-2286.	0.4	187
42	3C-like protease inhibitors block coronavirus replication in vitro and improve survival in MERS-CoVâ€“infected mice. Science Translational Medicine, 2020, 12, .	5.8	187
43	Innate immune and inflammatory responses to SARS-CoV-2: Implications for COVID-19. Cell Host and Microbe, 2021, 29, 1052-1062.	5.1	185
44	Statement in support of the scientists, public health professionals, and medical professionals of China combatting COVID-19. Lancet, The, 2020, 395, e42-e43.	6.3	182
45	Severe Acute Respiratory Syndrome Coronavirus Envelope Protein Regulates Cell Stress Response and Apoptosis. PLoS Pathogens, 2011, 7, e1002315.	2.1	173
46	The coronavirus macrodomain is required to prevent PARP-mediated inhibition of virus replication and enhancement of IFN expression. PLoS Pathogens, 2019, 15, e1007756.	2.1	155
47	Mouse-adapted MERS coronavirus causes lethal lung disease in human DPP4 knockin mice. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3119-E3128.	3.3	147
48	Pathogenicity of severe acute respiratory coronavirus deletion mutants in hACE-2 transgenic mice. Virology, 2008, 376, 379-389.	1.1	146
49	MERS coronaviruses from camels in Africa exhibit region-dependent genetic diversity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3144-3149.	3.3	142
50	Highly Activated Cytotoxic CD8 T Cells Express Protective IL-10 at the Peak of Coronavirus-Induced Encephalitis. Journal of Immunology, 2011, 186, 3642-3652.	0.4	141
51	Evasion by Stealth: Inefficient Immune Activation Underlies Poor T Cell Response and Severe Disease in SARS-CoV-Infected Mice. PLoS Pathogens, 2009, 5, e1000636.	2.1	140
52	The nsp3 Macrodomain Promotes Virulence in Mice with Coronavirus-Induced Encephalitis. Journal of Virology, 2015, 89, 1523-1536.	1.5	140
53	A humanized neutralizing antibody against MERS-CoV targeting the receptor-binding domain of the spike protein. Cell Research, 2015, 25, 1237-1249.	5.7	137
54	Microglia are required for protection against lethal coronavirus encephalitis in mice. Journal of Clinical Investigation, 2018, 128, 931-943.	3.9	137

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55	Identification of the Mechanisms Causing Reversion to Virulence in an Attenuated SARS-CoV for the Design of a Genetically Stable Vaccine. PLoS Pathogens, 2015, 11, e1005215.	2.1	137
56	Macrophage Infiltration, but Not Apoptosis, Is Correlated with Immune-Mediated Demyelination following Murine Infection with a Neurotropic Coronavirus. Journal of Virology, 1999, 73, 8771-8780.	1.5	132
57	Coronavirus infection and PARP expression dysregulate the NAD metabolome: An actionable component of innate immunity. Journal of Biological Chemistry, 2020, 295, 17986-17996.	1.6	132
58	Coronaviruses: An Updated Overview of Their Replication and Pathogenesis. Methods in Molecular Biology, 2020, 2203, 1-29.	0.4	132
59	Antibody Response and Disease Severity in Healthcare Worker MERS Survivors. Emerging Infectious Diseases, 2016, 22, .	2.0	131
60	Two neurotropic viruses, herpes simplex virus type 1 and mouse hepatitis virus, spread along different neural pathways from the main olfactory bulb. Neuroscience, 1993, 57, 1007-1025.	1.1	128
61	Activation of Astrocytes in the Spinal Cord of Mice Chronically Infected with a Neurotropic Coronavirus. Virology, 1995, 213, 482-493.	1.1	127
62	Immunization with an attenuated severe acute respiratory syndrome coronavirus deleted in E protein protects against lethal respiratory disease. Virology, 2010, 399, 120-128.	1.1	127
63	Severe Acute Respiratory Syndrome Coronavirus 2â€“Induced Immune Activation and Death of Monocyte-Derived Human Macrophages and Dendritic Cells. Journal of Infectious Diseases, 2021, 223, 785-795.	1.9	127
64	Critical role of phospholipase A2 group IID in age-related susceptibility to severe acute respiratory syndromeâ€“CoV infection. Journal of Experimental Medicine, 2015, 212, 1851-1868.	4.2	123
65	The tetraspanin CD9 facilitates MERS-coronavirus entry by scaffolding host cell receptors and proteases. PLoS Pathogens, 2017, 13, e1006546.	2.1	121
66	Post-viral effects of COVID-19 in the olfactory system and their implications. Lancet Neurology, The, 2021, 20, 753-761.	4.9	119
67	Severe Acute Respiratory Syndrome Coronaviruses with Mutations in the E Protein Are Attenuated and Promising Vaccine Candidates. Journal of Virology, 2015, 89, 3870-3887.	1.5	118
68	Immune dysregulation and immunopathology induced by SARS-CoV-2 and related coronaviruses â€” are we our own worst enemy?. Nature Reviews Immunology, 2022, 22, 47-56.	10.6	118
69	Defining the risk of SARS-CoV-2 variants on immune protection. Nature, 2022, 605, 640-652.	13.7	117
70	Effect of olfactory bulb ablation on spread of a neurotropic coronavirus into the mouse brain.. Journal of Experimental Medicine, 1990, 172, 1127-1132.	4.2	116
71	Identification of an ideal adjuvant for receptor-binding domain-based subunit vaccines against Middle East respiratory syndrome coronavirus. Cellular and Molecular Immunology, 2016, 13, 180-190.	4.8	114
72	Intranasal Treatment with Poly(IÂ·C) Protects Aged Mice from Lethal Respiratory Virus Infections. Journal of Virology, 2012, 86, 11416-11424.	1.5	113

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73	Structural Basis for the Identification of the N-Terminal Domain of Coronavirus Nucleocapsid Protein as an Antiviral Target. Journal of Medicinal Chemistry, 2014, 57, 2247-2257.	2.9	113
74	Efficacy of an Automated Multiple Emitter Whole-Room Ultraviolet-C Disinfection System Against Coronaviruses MHV and MERS-CoV. Infection Control and Hospital Epidemiology, 2016, 37, 598-599.	1.0	111
75	Complete Protection against Severe Acute Respiratory Syndrome Coronavirus-Mediated Lethal Respiratory Disease in Aged Mice by Immunization with a Mouse-Adapted Virus Lacking E Protein. Journal of Virology, 2013, 87, 6551-6559.	1.5	108
76	Late onset, symptomatic, demyelinating encephalomyelitis in mice infected with MHV-JHM in the presence of maternal antibody. Microbial Pathogenesis, 1987, 2, 185-194.	1.3	107
77	Rhesus Theta-Defensin Prevents Death in a Mouse Model of Severe Acute Respiratory Syndrome Coronavirus Pulmonary Disease. Journal of Virology, 2009, 83, 11385-11390.	1.5	107
78	Intracellular processing of the N-terminal ORF 1a proteins of the coronavirus MHV-A59 requires multiple proteolytic events. Virology, 1992, 189, 274-284.	1.1	106
79	Mouse Hepatitis Virus Does Not Induce Beta Interferon Synthesis and Does Not Inhibit Its Induction by Double-Stranded RNA. Journal of Virology, 2007, 81, 568-574.	1.5	106
80	Introduction of neutralizing immunogenicity index to the rational design of MERS coronavirus subunit vaccines. Nature Communications, 2016, 7, 13473.	5.8	106
81	Mitochondrial protein synthesis: Resistance to emetine and response to RNA synthesis inhibitors. Biochemical and Biophysical Research Communications, 1970, 40, 941-948.	1.0	104
82	MERS-CoV 4b protein interferes with the NF-ÎºB-dependent innate immune response during infection. PLoS Pathogens, 2018, 14, e1006838.	2.1	104
83	Human polyclonal immunoglobulin G from transchromosomic bovines inhibits MERS-CoV in vivo. Science Translational Medicine, 2016, 8, 326ra21.	5.8	102
84	Consensus summary report for CEPI/BC March 12â€“13, 2020 meeting: Assessment of risk of disease enhancement with COVID-19 vaccines. Vaccine, 2020, 38, 4783-4791.	1.7	102
85	Receptor Variation and Susceptibility to Middle East Respiratory Syndrome Coronavirus Infection. Journal of Virology, 2014, 88, 4953-4961.	1.5	101
86	The Olfactory Nerve and Not the Trigeminal Nerve Is the Major Site of CNS Entry for Mouse Hepatitis Virus, Strain JHM. Virology, 1993, 194, 185-191.	1.1	98
87	Cell receptor-independent infection by a neurotropic murine coronavirus. Virology, 1992, 191, 517-522.	1.1	97
88	High Prevalence of MERS-CoV Infection in Camel Workers in Saudi Arabia. MBio, 2018, 9, .	1.8	97
89	Structure-guided design of potent and permeable inhibitors of MERS coronavirus 3CL protease that utilize a piperidine moiety as a novel design element. European Journal of Medicinal Chemistry, 2018, 150, 334-346.	2.6	96
90	Cytotoxic T Cellâ€“Resistant Variants Are Selected in a Virus-Induced Demyelinating Disease. Immunity, 1996, 5, 253-262.	6.6	95

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91	Viral Macrodomains: Unique Mediators of Viral Replication and Pathogenesis. Trends in Microbiology, 2018, 26, 598-610.	3.5	93
92	A Severe Acute Respiratory Syndrome-Associated Coronavirus-Specific Protein Enhances Virulence of an Attenuated Murine Coronavirus. Journal of Virology, 2005, 79, 11335-11342.	1.5	92
93	Mitochondrial Protein Synthesis: RNA with the Properties of Eukaryotic Messenger RNA. Proceedings of the National Academy of Sciences of the United States of America, 1973, 70, 350-353.	3.3	89
94	IFN-Î³â€“ and IL-10â€“expressing virus epitope-specific Foxp3+ T reg cells in the central nervous system during encephalomyelitis. Journal of Experimental Medicine, 2011, 208, 1571-1577.	4.2	88
95	Spread of a neurotropic murine coronavirus into the CNS via the trigeminal and olfactory nerves. Virology, 1989, 170, 556-560.	1.1	87
96	Protective Effect of Intranasal Regimens Containing Peptidic Middle East Respiratory Syndrome Coronavirus Fusion Inhibitor Against MERS-CoV Infection. Journal of Infectious Diseases, 2015, 212, 1894-1903.	1.9	87
97	Distinct Roles for Sialoside and Protein Receptors in Coronavirus Infection. MBio, 2020, 11, .	1.8	86
98	Differential Effects of IL-12 on Tregs and Non-Treg T Cells: Roles of IFN-Î³, IL-2 and IL-2R. PLoS ONE, 2012, 7, e46241.	1.1	82
99	Eicosanoid signalling blockade protects middle-aged mice from severe COVID-19. Nature, 2022, 605, 146-151.	13.7	82
100	Inactivation of Expression of Gene 4 of Mouse Hepatitis Virus Strain JHM Does Not Affect Virulence in the Murine CNS. Virology, 2001, 289, 230-238.	1.1	80
101	Mouse hepatitis virus. Current Opinion in Microbiology, 2001, 4, 462-466.	2.3	78
102	Spread of MERS to South Korea and China. Lancet Respiratory Medicine,the, 2015, 3, 509-510.	5.2	77
103	Axonal Damage Is T Cell Mediated and Occurs Concomitantly with Demyelination in Mice Infected with a Neurotropic Coronavirus. Journal of Virology, 2001, 75, 6115-6120.	1.5	76
104	Cutting Edge: CD8 T Cell-Mediated Demyelination Is IFN-Î³ Dependent in Mice Infected with a Neurotropic Coronavirus. Journal of Immunology, 2002, 168, 1547-1551.	0.4	76
105	Enhanced Virulence Mediated by the Murine Coronavirus, Mouse Hepatitis Virus Strain JHM, Is Associated with a Glycine at Residue 310 of the Spike Glycoprotein. Journal of Virology, 2003, 77, 10260-10269.	1.5	74
106	Protein-synthesizing Structures associated with Mitochondria. Nature, 1970, 227, 133-137.	13.7	72
107	Quantification of Repertoire Diversity of Influenza-Specific Epitopes with Predominant Public or Private TCR Usage. Journal of Immunology, 2006, 177, 6705-6712.	0.4	70
108	Herpes Simplex Encephalitis in the Temporal Cortex and Limbic System after Trigeminal Nerve Inoculation. Journal of Infectious Diseases, 1994, 169, 782-786.	1.9	69

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109	Bystander CD8 T Cell-Mediated Demyelination After Viral Infection of the Central Nervous System. Journal of Immunology, 2002, 169, 1550-1555.	0.4	69
110	Recombinant Receptor-Binding Domains of Multiple Middle East Respiratory Syndrome Coronaviruses (MERS-CoVs) Induce Cross-Neutralizing Antibodies against Divergent Human and Camel MERS-CoVs and Antibody Escape Mutants. Journal of Virology, 2017, 91, .	1.5	69
111	Role of regulatory T cells in coronavirus-induced acute encephalitis. Virology, 2009, 385, 358-367.	1.1	68
112	Alisporivir inhibits MERS- and SARS-coronavirus replication in cell culture, but not SARS-coronavirus infection in a mouse model. Virus Research, 2017, 228, 7-13.	1.1	68
113	Human Coronavirus 229E Infects Polarized Airway Epithelia from the Apical Surface. Journal of Virology, 2000, 74, 9234-9239.	1.5	67
114	Vaccine-associated enhanced disease: Case definition and guidelines for data collection, analysis, and presentation of immunization safety data. Vaccine, 2021, 39, 3053-3066.	1.7	66
115	Identification of the spinal cord as a major site of persistence during during chronic infection with a murine coronavirus. Virology, 1990, 175, 418-426.	1.1	64
116	Passive Immunotherapy with Dromedary Immune Serum in an Experimental Animal Model for Middle East Respiratory Syndrome Coronavirus Infection. Journal of Virology, 2015, 89, 6117-6120.	1.5	64
117	Analysis of Xenopus laevis ovary and somatic cell polyadenylated RNA by molecular hybridization. Developmental Biology, 1978, 63, 197-212.	0.9	63
118	Regulatory T Cells Inhibit T Cell Proliferation and Decrease Demyelination in Mice Chronically Infected with a Coronavirus. Journal of Immunology, 2010, 184, 4391-4400.	0.4	63
119	Murine encephalitis caused by HCoV-OC43, a human coronavirus with broad species specificity, is partly immune-mediated. Virology, 2006, 347, 410-421.	1.1	62
120	A study of foldback DNA. Cell, 1976, 8, 33-42.	13.5	61
121	The coronavirus nucleocapsid protein is ADP-ribosylated. Virology, 2018, 517, 62-68.	1.1	61
122	Postinfection treatment with a protease inhibitor increases survival of mice with a fatal SARS-CoV-2 infection. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	61
123	Advances and gaps in SARS-CoV-2 infection models. PLoS Pathogens, 2022, 18, e1010161.	2.1	61
124	Murine Coronavirus Infection Activates the Aryl Hydrocarbon Receptor in an Indoleamine 2,3-Dioxygenase-Independent Manner, Contributing to Cytokine Modulation and Proviral TCDD-Inducible-PARP Expression. Journal of Virology, 2020, 94, .	1.5	60
125	Congenital Viral Infections of the Brain: Lessons Learned from Lymphocytic Choriomeningitis Virus in the Neonatal Rat. PLoS Pathogens, 2007, 3, e149.	2.1	59
126	Age-related susceptibility to coronavirus infections: role of impaired and dysregulated host immunity. Journal of Clinical Investigation, 2020, 130, 6204-6213.	3.9	59

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127	Detection of a murine coronavirus nonstructural protein encoded in a downstream open reading frame. Virology, 1988, 164, 156-164.	1.1	57
128	Very Diverse CD8 T Cell Clonotypic Responses after Virus Infections. Journal of Immunology, 2004, 172, 3151-3156.	0.4	56
129	Immune responses in influenza A virus and human coronavirus infections: an ongoing battle between the virus and host. Current Opinion in Virology, 2018, 28, 43-52.	2.6	56
130	Cytomegalovirus transmission in a Midwest day care center: Possible relationship to child care practices. Journal of Pediatrics, 1986, 109, 35-39.	0.9	55
131	Maturation and Localization of Macrophages and Microglia During Infection with a Neurotropic Murine Coronavirus. Brain Pathology, 2008, 18, 40-51.	2.1	55
132	Middle East respiratory syndrome and severe acute respiratory syndrome. Current Opinion in Virology, 2016, 16, 70-76.	2.6	55
133	CD4 T-Cell-Mediated Demyelination Is Increased in the Absence of Gamma Interferon in Mice Infected with Mouse Hepatitis Virus. Journal of Virology, 2002, 76, 7329-7333.	1.5	54
134	Microglia depletion exacerbates demyelination and impairs remyelination in a neurotropic coronavirus infection. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24464-24474.	3.3	54
135	Depletion of Blood-Borne Macrophages Does Not Reduce Demyelination in Mice Infected with a Neurotropic Coronavirus. Journal of Virology, 1999, 73, 6327-6334.	1.5	54
136	DNA vaccine encoding Middle East respiratory syndrome coronavirus S1 protein induces protective immune responses in mice. Vaccine, 2017, 35, 2069-2075.	1.7	53
137	The Cellular Redox Environment Alters Antigen Presentation. Journal of Biological Chemistry, 2014, 289, 27979-27991.	1.6	52
138	Virus-Induced Demyelination in Nude Mice Is Mediated by Î³Î´ T Cells. American Journal of Pathology, 2002, 161, 1255-1263.	1.9	51
139	Middle East Respiratory Syndromeâ€“ advancing the public health and research agenda on MERS- lessons from the South Korea outbreak. International Journal of Infectious Diseases, 2015, 36, 54-55.	1.5	50
140	Murine Coronavirus Ubiquitin-Like Domain Is Important for Papain-Like Protease Stability and Viral Pathogenesis. Journal of Virology, 2015, 89, 4907-4917.	1.5	50
141	Severe Acute Respiratory Syndrome Coronavirus Protein 6 Is Required for Optimal Replication. Journal of Virology, 2009, 83, 2368-2373.	1.5	49
142	Dynamics of SARS-CoV-2 Spike Proteins in Cell Entry: Control Elements in the Amino-Terminal Domains. MBio, 2021, 12, e0159021.	1.8	49
143	Coronavirus-Induced Demyelination Occurs in the Presence of Virus-Specific Cytotoxic T Cells. Virology, 1994, 200, 733-743.	1.1	48
144	Virus-induced inflammasome activation is suppressed by prostaglandin D ₂ /DP1 signaling. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5444-E5453.	3.3	48

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145	Targeting highly pathogenic coronavirus-induced apoptosis reduces viral pathogenesis and disease severity. Science Advances, 2021, 7, .	4.7	48
146	SARS-CoV-2 takes its Toll. Nature Immunology, 2021, 22, 801-802.	7.0	47
147	In Situ Tagged nsp15 Reveals Interactions with Coronavirus Replication/Transcription Complex-Associated Proteins. MBio, 2017, 8, .	1.8	46
148	High-Magnitude, Virus-Specific CD4 T-Cell Response in the Central Nervous System of Coronavirus-Infected Mice. Journal of Virology, 2001, 75, 3043-3047.	1.5	44
149	Severe Acute Respiratory Syndrome Coronavirus Protein 6 Accelerates Murine Coronavirus Infections. Journal of Virology, 2007, 81, 1220-1229.	1.5	44
150	Crystal structure-based exploration of the important role of Arg106 in the RNA-binding domain of human coronavirus OC43 nucleocapsid protein. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 1054-1062.	1.1	43
151	Single-Dose, Intranasal Immunization with Recombinant Parainfluenza Virus 5 Expressing Middle East Respiratory Syndrome Coronavirus (MERS-CoV) Spike Protein Protects Mice from Fatal MERS-CoV Infection. MBio, 2020, 11, .	1.8	43
152	COVID-19: Inflammatory Profile. Annual Review of Medicine, 2022, 73, 65-80.	5.0	43
153	Viral Expression of CCL2 Is Sufficient To Induce Demyelination in RAG1 â^'/â^' Mice Infected with a Neurotropic Coronavirus. Journal of Virology, 2005, 79, 7113-7120.	1.5	42
154	The development of Nanosota-1 as anti-SARS-CoV-2 nanobody drug candidates. ELife, 2021, 10, .	2.8	42
155	Ribonucleic acid synthesis of vesicular stomatitis virus. Journal of Molecular Biology, 1974, 85, 127-136.	2.0	40
156	Identification of a CD4+ T Cell Epitope within the M Protein of a Neurotropic Coronavirus. Virology, 1995, 208, 173-179.	1.1	40
157	Coronavirus Structural Proteins and Virus Assembly. , 0, , 179-200.		40
158	Nitric oxide synthase Type II expression by different cell types in MHV-JHM encephalitis suggests distinct roles for nitric oxide in acute versus persistent virus infection. Journal of Neuroimmunology, 1997, 73, 15-27.	1.1	38
159	Structure-Guided Design of Conformationally Constrained Cyclohexane Inhibitors of Severe Acute Respiratory Syndrome Coronavirus-2 3CL Protease. Journal of Medicinal Chemistry, 2021, 64, 10047-10058.	2.9	38
160	Inter-domain communication in SARS-CoV-2 spike proteins controls protease-triggered cell entry. Cell Reports, 2022, 39, 110786.	2.9	37
161	Pathogenic Role for Virus-Specific CD4 T Cells in Mice with Coronavirus-Induced Acute Encephalitis. American Journal of Pathology, 2006, 169, 209-222.	1.9	36
162	The N-Terminal Region of Severe Acute Respiratory Syndrome Coronavirus Protein 6 Induces Membrane Rearrangement and Enhances Virus Replication. Journal of Virology, 2010, 84, 3542-3551.	1.5	36

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163	Single intranasal immunization with chimpanzee adenovirus-based vaccine induces sustained and protective immunity against MERS-CoV infection. Emerging Microbes and Infections, 2019, 8, 760-772.	3.0	36
164	Presence of tadpole and adult globin RNA sequences in oocytes of Xenopus laevis. Proceedings of the National Academy of Sciences of the United States of America, 1977, 74, 3835-3839.	3.3	35
165	Infection with Cytotoxic T-Lymphocyte Escape Mutants Results in Increased Mortality and Growth Retardation in Mice Infected with a Neurotropic Coronavirus. Journal of Virology, 1998, 72, 5912-5918.	1.5	35
166	A natural product compound inhibits coronaviral replication inÂvitro by binding to the conserved Nsp9 SARS-CoV-2 protein. Journal of Biological Chemistry, 2021, 297, 101362.	1.6	35
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