Michael S Diamond

List of Publications by Year
in descending order

344 papers	44,476 citations	2696 98 h-index	3688 186 g-index
381 all docs	381 docs citations	381 times ranked	47540 citing authors

#	Article	IF	Citations
1	Cross-neutralization of SARS-CoV-2 by a human monoclonal SARS-CoV antibody. Nature, 2020, 583, 290-295.	13.7	1,695
2	Potently neutralizing and protective human antibodies against SARS-CoV-2. Nature, 2020, 584, 443-449.	13.7	956
3	Itaconate Links Inhibition of Succinate Dehydrogenase with Macrophage Metabolic Remodeling and Regulation of Inflammation. Cell Metabolism, 2016, 24, 158-166.	7.2	944
4	Resistance of SARS-CoV-2 variants to neutralization by monoclonal and serum-derived polyclonal antibodies. Nature Medicine, 2021, 27, 717-726.	15.2	838
5	A Mouse Model of Zika Virus Pathogenesis. Cell Host and Microbe, 2016, 19, 720-730.	5.1	818
6	TMPRSS2 and TMPRSS4 promote SARS-CoV-2 infection of human small intestinal enterocytes. Science Immunology, 2020, 5, .	5.6	811
7	Pan-viral specificity of IFN-induced genes reveals new roles for cGAS in innate immunity. Nature, 2014, 505, 691-695.	13.7	773
8	SARS-CoV-2 infection of human ACE2-transgenic mice causes severe lung inflammation and impaired function. Nature Immunology, 2020, 21, 1327-1335.	7.0	743
9	Zika Virus Infection during Pregnancy in Mice Causes Placental Damage and Fetal Demise. Cell, 2016, 165, 1081-1091.	13.5	737
10	2â€²-O methylation of the viral mRNA cap evades host restriction by IFIT family members. Nature, 2010, 468, 452-456.	13.7	736
11	Identification of SARS-CoV-2 spike mutations that attenuate monoclonal and serum antibody neutralization. Cell Host and Microbe, 2021, 29, 477-488.e4.	5.1	700
12	Shared and Distinct Functions of Type I and Type III Interferons. Immunity, 2019, 50, 907-923.	6.6	699
13	The broad-spectrum antiviral functions of IFIT and IFITM proteins. Nature Reviews Immunology, 2013, 13, 46-57.	10.6	656
14	Modified mRNA Vaccines Protect against Zika Virus Infection. Cell, 2017, 168, 1114-1125.e10.	13.5	633
15	SARS-CoV-2 mRNA vaccines induce persistent human germinal centre responses. Nature, 2021, 596, 109-113.	13.7	586
16	Loss of furin cleavage site attenuates SARS-CoV-2 pathogenesis. Nature, 2021, 591, 293-299.	13.7	579
17	An infectious SARS-CoV-2 B.1.1.529 Omicron virus escapes neutralization by therapeutic monoclonal antibodies. Nature Medicine, 2022, 28, 490-495.	15.2	577
18	Extrafollicular B cell responses correlate with neutralizing antibodies and morbidity in COVID-19. Nature Immunology, 2020, 21, 1506-1516.	7.0	563

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19	The continued threat of emerging flaviviruses. Nature Microbiology, 2020, 5, 796-812.	5.9	520
20	Ultrapotent human antibodies protect against SARS-CoV-2 challenge via multiple mechanisms. Science, 2020, 370, 950-957.	6.0	504
21	A SARS-CoV-2 Infection Model in Mice Demonstrates Protection by Neutralizing Antibodies. Cell, 2020, 182, 744-753.e4.	13.5	486
22	Development of a humanized monoclonal antibody with therapeutic potential against West Nile virus. Nature Medicine, 2005, 11, 522-530.	15.2	477
23	SARS-CoV-2 Omicron virus causes attenuated disease in mice and hamsters. Nature, 2022, 603, 687-692.	13.7	475
24	De novo design of picomolar SARS-CoV-2 miniprotein inhibitors. Science, 2020, 370, 426-431.	6.0	464
25	Rapid isolation and profiling of a diverse panel of human monoclonal antibodies targeting the SARS-CoV-2 spike protein. Nature Medicine, 2020, 26, 1422-1427.	15.2	450
26	A Single-Dose Intranasal ChAd Vaccine Protects Upper and Lower Respiratory Tracts against SARS-CoV-2. Cell, 2020, 183, 169-184.e13.	13.5	446
27	B Cells and Antibody Play Critical Roles in the Immediate Defense of Disseminated Infection by West Nile Encephalitis Virus. Journal of Virology, 2003, 77, 2578-2586.	1.5	433
28	Zika virus infection damages the testes in mice. Nature, 2016, 540, 438-442.	13.7	430
29	Commensal microbes and interferon-Î» determine persistence of enteric murine norovirus infection. Science, 2015, 347, 266-269.	6.0	386
30	Zika Virus: New Clinical Syndromes and Its Emergence in the Western Hemisphere. Journal of Virology, 2016, 90, 4864-4875.	1.5	382
31	Interferon-Î»: Immune Functions at Barrier Surfaces and Beyond. Immunity, 2015, 43, 15-28.	6.6	381
32	Immune responses at the maternal-fetal interface. Science Immunology, 2019, 4, .	5.6	380
33	Neutralizing Antibody and Soluble ACE2 Inhibition of a Replication-Competent VSV-SARS-CoV-2 and a Clinical Isolate of SARS-CoV-2. Cell Host and Microbe, 2020, 28, 475-485.e5.	5.1	380
34	Neutralizing human antibodies prevent Zika virus replication and fetal disease in mice. Nature, 2016, 540, 443-447.	13.7	349
35	Zika Virus Pathogenesis and Tissue Tropism. Cell Host and Microbe, 2017, 21, 134-142.	5.1	337
36	Structural basis of West Nile virus neutralization by a therapeutic antibody. Nature, 2005, 437, 764-769.	13.7	332

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37	The antigenic anatomy of SARS-CoV-2 receptor binding domain. Cell, 2021, 184, 2183-2200.e22.	13.5	331
38	Structural Basis of Zika Virus-Specific Antibody Protection. Cell, 2016, 166, 1016-1027.	13.5	325
39	Neutralizing and protective human monoclonal antibodies recognizing the N-terminal domain of the SARS-CoV-2 spike protein. Cell, 2021, 184, 2316-2331.e15.	13.5	321
40	Interferon-Î» cures persistent murine norovirus infection in the absence of adaptive immunity. Science, 2015, 347, 269-273.	6.0	308
41	The emergence of Zika virus and its new clinical syndromes. Nature, 2018, 560, 573-581.	13.7	303
42	Innate immunity: the first line of defense against SARS-CoV-2. Nature Immunology, 2022, 23, 165-176.	7.0	303
43	Human neutralizing antibodies against SARS-CoV-2 require intact Fc effector functions for optimal therapeutic protection. Cell, 2021, 184, 1804-1820.e16.	13.5	297
44	Antibody Recognition and Neutralization Determinants on Domains I and II of West Nile Virus Envelope Protein. Journal of Virology, 2006, 80, 12149-12159.	1.5	272
45	The Stoichiometry of Antibody-Mediated Neutralization and Enhancement of West Nile Virus Infection. Cell Host and Microbe, 2007, 1, 135-145.	5.1	262
46	A Critical Role for Induced IgM in the Protection against West Nile Virus Infection. Journal of Experimental Medicine, 2003, 198, 1853-1862.	4.2	261
47	After the pandemic: perspectives on the future trajectory of COVID-19. Nature, 2021, 596, 495-504.	13.7	260
48	Mxra8 is a receptor for multiple arthritogenic alphaviruses. Nature, 2018, 557, 570-574.	13.7	254
49	Zika Virus Infection in Mice Causes Panuveitis with Shedding of Virus in Tears. Cell Reports, 2016, 16, 3208-3218.	2.9	243
50	Fetal brain lesions after subcutaneous inoculation of Zika virus in a pregnant nonhuman primate. Nature Medicine, 2016, 22, 1256-1259.	15.2	241
51	Genetic and structural basis for SARS-CoV-2 variant neutralization by a two-antibody cocktail. Nature Microbiology, 2021, 6, 1233-1244.	5.9	237
52	Development of a Highly Protective Combination Monoclonal Antibody Therapy against Chikungunya Virus. PLoS Pathogens, 2013, 9, e1003312.	2.1	228
53	Animal Models of Zika Virus Infection, Pathogenesis, and Immunity. Journal of Virology, 2017, 91, .	1.5	225
54	Vaccine Mediated Protection Against Zika Virus-Induced Congenital Disease. Cell, 2017, 170, 273-283.e12.	13.5	224

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55	In vivo monoclonal antibody efficacy against SARS-CoV-2 variant strains. Nature, 2021, 596, 103-108.	13.7	222
56	Molecular Insight into Dengue Virus Pathogenesis and Its Implications for Disease Control. Cell, 2015, 162, 488-492.	13.5	219
57	The FDA-approved drug sofosbuvir inhibits Zika virus infection. Antiviral Research, 2017, 137, 134-140.	1.9	217
58	WDFY4 is required for cross-presentation in response to viral and tumor antigens. Science, 2018, 362, 694-699.	6.0	216
59	Mapping and Role of the CD8 + T Cell Response During Primary Zika Virus Infection in Mice. Cell Host and Microbe, 2017, 21, 35-46.	5.1	211
60	Growth, detection, quantification, and inactivation of SARS-CoV-2. Virology, 2020, 548, 39-48.	1.1	209
61	A rapid and quantitative assay for measuring antibody-mediated neutralization of West Nile virus infection. Virology, 2006, 346, 53-65.	1.1	197
62	Interferon-Î» restricts West Nile virus neuroinvasion by tightening the blood-brain barrier. Science Translational Medicine, 2015, 7, 284ra59.	5.8	197
63	The Development of Therapeutic Antibodies That Neutralize Homologous and Heterologous Genotypes of Dengue Virus Type 1. PLoS Pathogens, 2010, 6, e1000823.	2.1	192
64	An Immunocompetent Mouse Model of Zika Virus Infection. Cell Host and Microbe, 2018, 23, 672-685.e6.	5.1	192
65	Broadly Neutralizing Activity of Zika Virus-Immune Sera Identifies a Single Viral Serotype. Cell Reports, 2016, 16, 1485-1491.	2.9	190
66	Irg1 expression in myeloid cells prevents immunopathology during M. tuberculosis infection. Journal of Experimental Medicine, 2018, 215, 1035-1045.	4.2	190
67	A Potently Neutralizing Antibody Protects Mice against SARS-CoV-2 Infection. Journal of Immunology, 2020, 205, 915-922.	0.4	186
68	Remote Sensing of Droplet Number Concentration in Warm Clouds: A Review of the Current State of Knowledge and Perspectives. Reviews of Geophysics, 2018, 56, 409-453.	9.0	185
69	Zika virus has oncolytic activity against glioblastoma stem cells. Journal of Experimental Medicine, 2017, 214, 2843-2857.	4.2	179
70	Innate and Adaptive Immune Responses Determine Protection against Disseminated Infection by West Nile Encephalitis Virus. Viral Immunology, 2003, 16, 259-278.	0.6	177
71	AXL-dependent infection of human fetal endothelial cells distinguishes Zika virus from other pathogenic flaviviruses. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2024-2029.	3.3	177
72	Characterization and antiviral susceptibility of SARS-CoV-2 Omicron BA.2. Nature, 2022, 607, 119-127.	13.7	174

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73	Inhibition of autophagy limits vertical transmission of Zika virus in pregnant mice. Journal of Experimental Medicine, 2017, 214, 2303-2313.	4.2	170
74	Intercellular Mitochondria Transfer to Macrophages Regulates White Adipose Tissue Homeostasis and Is Impaired in Obesity. Cell Metabolism, 2021, 33, 270-282.e8.	7.2	160
75	Maturation of West Nile Virus Modulates Sensitivity to Antibody-Mediated Neutralization. PLoS Pathogens, 2008, 4, e1000060.	2.1	158
76	Induction of Epitope-Specific Neutralizing Antibodies against West Nile Virus. Journal of Virology, 2007, 81, 11828-11839.	1.5	157
77	Broadly Neutralizing Alphavirus Antibodies Bind an Epitope on E2 and Inhibit Entry and Egress. Cell, 2015, 163, 1095-1107.	13.5	157
78	Replication-Competent Vesicular Stomatitis Virus Vaccine Vector Protects against SARS-CoV-2-Mediated Pathogenesis in Mice. Cell Host and Microbe, 2020, 28, 465-474.e4.	5.1	156
79	Inhibition of PIKfyve kinase prevents infection by Zaire ebolavirus and SARS-CoV-2. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20803-20813.	3.3	154
80	Innate immune restriction and antagonism of viral RNA lacking 2×3-O methylation. Virology, 2015, 479-480, 66-74.	1.1	147
81	A lipid-encapsulated mRNA encoding a potently neutralizing human monoclonal antibody protects against chikungunya infection. Science Immunology, 2019, 4, .	5.6	147
82	Human memory T cells with a naive phenotype accumulate with aging and respond to persistent viruses. Nature Immunology, 2016, 17, 966-975.	7.0	144
83	Gestational Stage and IFN-Î» Signaling Regulate ZIKV Infection In Utero. Cell Host and Microbe, 2017, 22, 366-376.e3.	5.1	137
84	Dengue virus-reactive CD8+ T cells mediate cross-protection against subsequent Zika virus challenge. Nature Communications, 2017, 8, 1459.	5.8	129
85	Zika Virus Targets Glioblastoma Stem Cells through a SOX2-Integrin Î±vÎ²5 Axis. Cell Stem Cell, 2020, 26, 187-204.e10.	5.2	126
86	TAM Receptors Are Not Required for Zika Virus Infection in Mice. Cell Reports, 2017, 19, 558-568.	2.9	125
87	A single-dose live-attenuated vaccine prevents Zika virus pregnancy transmission and testis damage. Nature Communications, 2017, 8, 676.	5.8	125
88	Pharmacological activation of STING blocks SARS-CoV-2 infection. Science Immunology, 2021, 6, .	5.6	123
89	Brief Report: Chikungunya Viral Arthritis in the United States: A Mimic of Seronegative Rheumatoid Arthritis. Arthritis and Rheumatology, 2015, 67, 1214-1220.	2.9	122
90	A human antibody against Zika virus crosslinks the E protein to prevent infection. Nature Communications, 2017, 8, 14722.	5.8	122

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91	SARS-CoV-2 Infects Human EngineeredÂHeart Tissues and Models COVID-19 Myocarditis. JACC Basic To Translational Science, 2021, 6, 331-345.	1.9	121
92	Neutralizing Monoclonal Antibodies against Hepatitis C Virus E2 Protein Bind Discontinuous Epitopes and Inhibit Infection at a Postattachment Step. Journal of Virology, 2011, 85, 7005-7019.	1.5	120
93	The structural immunology of antibody protection against West Nile virus. Immunological Reviews, 2008, 225, 212-225.	2.8	118
94	Defining the risk of SARS-CoV-2 variants on immune protection. Nature, 2022, 605, 640-652.	13.7	117
95	Isolation and Characterization of Broad and Ultrapotent Human Monoclonal Antibodies with Therapeutic Activity against Chikungunya Virus. Cell Host and Microbe, 2015, 18, 86-95.	5.1	116
96	SARS-CoV-2 exacerbates proinflammatory responses in myeloid cells through C-type lectin receptors and Tweety family member 2. Immunity, 2021, 54, 1304-1319.e9.	6.6	115
97	K63-linked polyubiquitination of transcription factor IRF1 is essential for IL-1-induced production of chemokines CXCL10 and CCL5. Nature Immunology, 2014, 15, 231-238.	7.0	113
98	The TAM receptor Mertk protects against neuroinvasive viral infection by maintaining blood-brain barrier integrity. Nature Medicine, 2015, 21, 1464-1472.	15.2	113
99	Association between SARS-CoV-2 Neutralizing Antibodies and Commercial Serological Assays. Clinical Chemistry, 2020, 66, 1538-1547.	1.5	112
100	Poorly Neutralizing Cross-Reactive Antibodies against the Fusion Loop of West Nile Virus Envelope Protein Protect In Vivo via Fcî³ Receptor and Complement-Dependent Effector Mechanisms. Journal of Virology, 2011, 85, 11567-11580.	1.5	110
101	Systematic analysis of SARS-CoV-2 infection of an ACE2-negative human airway cell. Cell Reports, 2021, 36, 109364.	2.9	109
102	Progress on the development of therapeutics against West Nile virus. Antiviral Research, 2009, 83, 214-227.	1.9	106
103	Itaconate confers tolerance to late NLRP3 inflammasome activation. Cell Reports, 2021, 34, 108756.	2.9	105
104	Propagation, Quantification, Detection, and Storage of West Nile Virus. Current Protocols in Microbiology, 2013, 31, 15D.3.1-15D.3.18.	6.5	104
105	Cryo-EM Structure of Chikungunya Virus in Complex with the Mxra8 Receptor. Cell, 2019, 177, 1725-1737.e16.	13.5	104
106	Evasion of innate and adaptive immunity by flaviviruses. Immunology and Cell Biology, 2003, 81, 196-206.	1.0	103
107	Structural Basis of Differential Neutralization of DENV-1 Genotypes by an Antibody that Recognizes a Cryptic Epitope. PLoS Pathogens, 2012, 8, e1002930.	2.1	103
108	Profiling B cell immunodominance after SARS-CoV-2 infection reveals antibody evolution to non-neutralizing viral targets. Immunity, 2021, 54, 1290-1303.e7.	6.6	101

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109	A single intranasal dose of chimpanzee adenovirus-vectored vaccine protects against SARS-CoV-2 infection in rhesus macaques. Cell Reports Medicine, 2021, 2, 100230.	3.3	99
110	The Intestinal Microbiome Restricts Alphavirus Infection and Dissemination through a Bile Acid-Type I IFN Signaling Axis. Cell, 2020, 182, 901-918.e18.	13.5	98
111	Oral Antibiotic Treatment of Mice Exacerbates the Disease Severity of Multiple Flavivirus Infections. Cell Reports, 2018, 22, 3440-3453.e6.	2.9	97
112	An overview of the ORACLES (ObseRvations of Aerosols above CLouds and their intEractionS) project: aerosolâ€“cloudâ€“radiation interactions in the southeast Atlantic basin. Atmospheric Chemistry and Physics, 2021, 21, 1507-1563.	1.9	97
113	Dendritic Cells in Dengue Virus Infection: Targets of Virus Replication and Mediators of Immunity. Frontiers in Immunology, 2014, 5, 647.	2.2	96
114	Human antibodies to the dengue virus E-dimer epitope have therapeutic activity against Zika virus infection. Nature Immunology, 2017, 18, 1261-1269.	7.0	95
115	Human IFIT3 Modulates IFIT1 RNA Binding Specificity and Protein Stability. Immunity, 2018, 48, 487-499.e5.	6.6	94
116	SARS-CoV-2 ferritin nanoparticle vaccines elicit broad SARS coronavirus immunogenicity. Cell Reports, 2021, 37, 110143.	2.9	94
117	Modeling Zika Virus Infection in Pregnancy. New England Journal of Medicine, 2016, 375, 481-484.	13.9	93
118	Cross-reactive Dengue virus-specific CD8+ T cells protect against Zika virus during pregnancy. Nature Communications, 2018, 9, 3042.	5.8	93
119	Neutralisation of SARS-CoV-2 lineage P.1 by antibodies elicited through natural SARS-CoV-2 infection or vaccination with an inactivated SARS-CoV-2 vaccine: an immunological study. Lancet Microbe, The, 2021, 2, e527-e535.	3.4	92
120	Zika Virus NS3 Mimics a Cellular 14-3-3-Binding Motif to Antagonize RIG-I- and MDA5-Mediated Innate Immunity. Cell Host and Microbe, 2019, 26, 493-503.e6.	5.1	91
121	IFIT1: A dual sensor and effector molecule that detects non-2â€²-O methylated viral RNA and inhibits its translation. Cytokine and Growth Factor Reviews, 2014, 25, 543-550.	3.2	90
122	Mechanisms of restriction of viral neuroinvasion at the bloodâ€“brain barrier. Current Opinion in Immunology, 2016, 38, 18-23.	2.4	90
123	An intranasal vaccine durably protects against SARS-CoV-2 variants in mice. Cell Reports, 2021, 36, 109452.	2.9	90
124	IFIT1 Differentially Interferes with Translation and Replication of Alphavirus Genomes and Promotes Induction of Type I Interferon. PLoS Pathogens, 2015, 11, e1004863.	2.1	88
125	The Challenges of Vaccine Development against a New Virus during a Pandemic. Cell Host and Microbe, 2020, 27, 699-703.	5.1	88
126	Neutralizing Monoclonal Antibodies Block Chikungunya Virus Entry and Release by Targeting an Epitope Critical to Viral Pathogenesis. Cell Reports, 2015, 13, 2553-2564.	2.9	86

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127	c-Myc-induced transcription factor AP4 is required for host protection mediated by CD8+ T cells. Nature Immunology, 2014, 15, 884-893.	7.0	85
128	Negative regulators of the RIGâ€Iâ€like receptor signaling pathway. European Journal of Immunology, 2017, 47, 615-628.	1.6	85
129	Zika virusâ€“related neurotropic flaviviruses infect human placental explants and cause fetal demise in mice. Science Translational Medicine, 2018, 10, .	5.8	85
130	A Therapeutic Antibody against West Nile Virus Neutralizes Infection by Blocking Fusion within Endosomes. PLoS Pathogens, 2009, 5, e1000453.	2.1	84
131	Age-Dependent Cell Trafficking Defects in Draining Lymph Nodes Impair Adaptive Immunity and Control of West Nile Virus Infection. PLoS Pathogens, 2015, 11, e1005027.	2.1	83
132	The Interferon-Stimulated GeneIfitm3Restricts West Nile Virus Infection and Pathogenesis. Journal of Virology, 2016, 90, 8212-8225.	1.5	83
133	The Interferon-Stimulated Gene IFITM3 Restricts Infection and Pathogenesis of Arthritogenic and Encephalitic Alphaviruses. Journal of Virology, 2016, 90, 8780-8794.	1.5	83
134	Interferon lambda protects the female reproductive tract against Zika virus infection. Nature Communications, 2019, 10, 280.	5.8	83
135	An mRNA Vaccine Protects Mice against Multiple Tick-Transmitted Flavivirus Infections. Cell Reports, 2018, 25, 3382-3392.e3.	2.9	79
136	A potently neutralizing SARS-CoV-2 antibody inhibits variants of concern by utilizing unique binding residues in a highly conserved epitope. Immunity, 2021, 54, 2399-2416.e6.	6.6	79
137	Genome-Wide RNAi Screen Identifies Broadly-Acting Host Factors That Inhibit Arbovirus Infection. PLoS Pathogens, 2014, 10, e1003914.	2.1	78
138	Antigen-specific antibody Fc glycosylation enhances humoral immunity via the recruitment of complement. Science Immunology, 2018, 3, .	5.6	78
139	LDLRAD3 is a receptor for Venezuelan equine encephalitis virus. Nature, 2020, 588, 308-314.	13.7	78
140	Zika Virus Vaccine Development: Progress in the Face of New Challenges. Annual Review of Medicine, 2019, 70, 121-135.	5.0	76
141	Affinity-Restricted Memory B Cells Dominate Recall Responses to Heterologous Flaviviruses. Immunity, 2020, 53, 1078-1094.e7.	6.6	76
142	Influenza virus differentially activates mTORC1 and mTORC2 signaling to maximize late stage replication. PLoS Pathogens, 2017, 13, e1006635.	2.1	74
143	On a mouse monoclonal antibody that neutralizes all four dengue virus serotypes. Journal of General Virology, 2009, 90, 799-809.	1.3	73
144	A SARS-CoV-2 ferritin nanoparticle vaccine elicits protective immune responses in nonhuman primates. Science Translational Medicine, 2022, 14, .	5.8	73

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145	Mechanisms of Evasion of the Type I Interferon Antiviral Response by Flaviviruses. Journal of Interferon and Cytokine Research, 2009, 29, 521-530.	0.5	72
146	Mechanisms of Pathogen Invasion into the Central Nervous System. Neuron, 2019, 103, 771-783.	3.8	72
147	A Crisp(r) New Perspective on SARS-CoV-2 Biology. Cell, 2021, 184, 15-17.	13.5	71
148	Boosting with variant-matched or historical mRNA vaccines protects against Omicron infection in mice. Cell, 2022, 185, 1572-1587.e11.	13.5	71
149	The 5â€² and 3â€² ends of alphavirus RNAs â€“ Non-coding is not non-functional. Virus Research, 2015, 206, 99-107.	1.1	70
150	Enhancing dengue virus maturation using a stable furin over-expressing cell line. Virology, 2016, 497, 33-40.	1.1	69
151	A single mutation in the envelope protein modulates flavivirus antigenicity, stability, and pathogenesis. PLoS Pathogens, 2017, 13, e1006178.	2.1	69
152	Maternally Acquired Zika Antibodies Enhance Dengue Disease Severity in Mice. Cell Host and Microbe, 2018, 24, 743-750.e5.	5.1	69
153	Western diet induces Paneth cell defects through microbiome alterations and farnesoid X receptor and type I interferon activation. Cell Host and Microbe, 2021, 29, 988-1001.e6.	5.1	69
154	Multivalent designed proteins neutralize SARS-CoV-2 variants of concern and confer protection against infection in mice. Science Translational Medicine, 2022, 14, eabn1252.	5.8	68
155	Chikungunya Viruses That Escape Monoclonal Antibody Therapy Are Clinically Attenuated, Stable, and Not Purified in Mosquitoes. Journal of Virology, 2014, 88, 8213-8226.	1.5	67
156	Therapy with CTLA4-Ig and an antiviral monoclonal antibody controls chikungunya virus arthritis. Science Translational Medicine, 2017, 9, .	5.8	67
157	Convergent antibody responses to the SARS-CoV-2 spike protein in convalescent and vaccinated individuals. Cell Reports, 2021, 36, 109604.	2.9	67
158	Secreted NS1 Protects Dengue Virus from Mannose-Binding Lectinâ€“Mediated Neutralization. Journal of Immunology, 2016, 197, 4053-4065.	0.4	64
159	TLR3 controls constitutive IFN-Î² antiviral immunity in human fibroblasts and cortical neurons. Journal of Clinical Investigation, 2021, 131, .	3.9	64
160	Identifying Candidate Targets of Immune Responses in Zika Virus Based on Homology to Epitopes in Other Flavivirus Species. PLOS Currents, 2016, 8, .	1.4	64
161	Deficient IFN Signaling by Myeloid Cells Leads to MAVS-Dependent Virus-Induced Sepsis. PLoS Pathogens, 2014, 10, e1004086.	2.1	63
162	Intramuscular Delivery of Replicon RNA Encoding ZIKV-117 Human Monoclonal Antibody Protects against Zika Virus Infection. Molecular Therapy - Methods and Clinical Development, 2020, 18, 402-414.	1.8	63

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163	Pathogenic Chikungunya Virus Evades B Cell Responses to Establish Persistence. Cell Reports, 2016, 16, 1326-1338.	2.9	62
164	Vaccination strategies against Zika virus. Current Opinion in Virology, 2017, 23, 59-67.	2.6	62
165	A molecular understanding of alphavirus entry. PLoS Pathogens, 2020, 16, e1008876.	2.1	62
166	Advances and gaps in SARS-CoV-2 infection models. PLoS Pathogens, 2022, 18, e1010161.	2.1	61
167	Animal Models of Zika Virus Infection during Pregnancy. Viruses, 2018, 10, 598.	1.5	60
168	A protective Zika virus E-dimer-based subunit vaccine engineered to abrogate antibody-dependent enhancement of dengue infection. Nature Immunology, 2019, 20, 1291-1298.	7.0	60
169	Optimal therapeutic activity of monoclonal antibodies against chikungunya virus requires Fc-FcÎ³R interaction on monocytes. Science Immunology, 2019, 4, .	5.6	60
170	Antibody Response to Hypervariable Region 1 Interferes with Broadly Neutralizing Antibodies to Hepatitis C Virus. Journal of Virology, 2016, 90, 3112-3122.	1.5	59
171	Plasmodium falciparum Histidine-Rich Protein II Compromises Brain Endothelial Barriers and May Promote Cerebral Malaria Pathogenesis. MBio, 2016, 7, .	1.8	58
172	SARS-CoV-2 Causes Lung Infection without Severe Disease in Human ACE2 Knock-In Mice. Journal of Virology, 2022, 96, JVI0151121.	1.5	58
173	Innate immune escape by Dengue and West Nile viruses. Current Opinion in Virology, 2016, 20, 119-128.	2.6	57
174	Structure of Acidic pH Dengue Virus Showing the Fusogenic Glycoprotein Trimers. Journal of Virology, 2015, 89, 743-750.	1.5	56
175	Substantial Cloud Brightening From Shipping in Subtropical Low Clouds. AGU Advances, 2020, 1, e2019AV000111.	2.3	56
176	Cross-reactive coronavirus antibodies with diverse epitope specificities and Fc effector functions. Cell Reports Medicine, 2021, 2, 100313.	3.3	56
177	Immune-Mediated Protection and Pathogenesis of Chikungunya Virus. Journal of Immunology, 2016, 197, 4210-4218.	0.4	55
178	Therapeutic administration of a recombinant human monoclonal antibody reduces the severity of chikungunya virus disease in rhesus macaques. PLoS Neglected Tropical Diseases, 2017, 11, e0005637.	1.3	55
179	Expression of the Mxra8 Receptor Promotes Alphavirus Infection and Pathogenesis in Mice and Drosophila. Cell Reports, 2019, 28, 2647-2658.e5.	2.9	55
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