Ralph S Baric

List of Publications by Year
in descending order

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322	60,505	1231 110	1341 223
papers	citations	h-index	g-index

387	387	387	60089
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Receptor Recognition by the Novel Coronavirus from Wuhan: an Analysis Based on Decade-Long Structural Studies of SARS Coronavirus. Journal of Virology, 2020, 94, .	1.5	3,520
2	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. Nature Biotechnology, 2016, 34, 828-837.	9.4	2,802
3	Antigen-Specific Adaptive Immunity to SARS-CoV-2 in Acute COVID-19 and Associations with Age and Disease Severity. Cell, 2020, 183, 996-1012.e19.	13.5	1,494
4	Comparative therapeutic efficacy of remdesivir and combination lopinavir, ritonavir, and interferon beta against MERS-CoV. Nature Communications, 2020, 11, 222.	5.8	1,376
5	Broad-spectrum antiviral GS-5734 inhibits both epidemic and zoonotic coronaviruses. Science Translational Medicine, 2017, 9, .	5.8	1,279
6	SARS-CoV-2 Reverse Genetics Reveals a Variable Infection Gradient in the Respiratory Tract. Cell, 2020, 182, 429-446.e14.	13.5	1,257
7	Safety and Immunogenicity of SARS-CoV-2 mRNA-1273 Vaccine in Older Adults. New England Journal of Medicine, 2020, 383, 2427-2438.	13.9	1,242
8	SARS-CoV-2 mRNA vaccine design enabled by prototype pathogen preparedness. Nature, 2020, 586, 567-571.	13.7	1,153
9	Coronavirus Susceptibility to the Antiviral Remdesivir (GS-5734) Is Mediated by the Viral Polymerase and the Proofreading Exoribonuclease. MBio, 2018, 9, .	1.8	1,142
10	Norwalk virus: How infectious is it?. Journal of Medical Virology, 2008, 80, 1468-1476.	2.5	1,019
11	DNA vaccine protection against SARS-CoV-2 in rhesus macaques. Science, 2020, 369, 806-811.	6.0	978
12	Human susceptibility and resistance to Norwalk virus infection. Nature Medicine, 2003, 9, 548-553.	15.2	956
13	Potently neutralizing and protective human antibodies against SARS-CoV-2. Nature, 2020, 584, 443-449.	13.7	956
14	Evaluation of the mRNA-1273 Vaccine against SARS-CoV-2 in Nonhuman Primates. New England Journal of Medicine, 2020, 383, 1544-1555.	13.9	936
15	An orally bioavailable broad-spectrum antiviral inhibits SARS-CoV-2 in human airway epithelial cell cultures and multiple coronaviruses in mice. Science Translational Medicine, 2020, 12, .	5.8	886
16	SARS-CoV-2 D614G variant exhibits efficient replication ex vivo and transmission in vivo. Science, 2020, 370, 1464-1468.	6.0	808
17	SARS-CoV-2 infection protects against rechallenge in rhesus macaques. Science, 2020, 369, 812-817.	6.0	789
18	The receptor-binding domain of the viral spike protein is an immunodominant and highly specific target of antibodies in SARS-CoV-2 patients. Science Immunology, 2020, 5, .	5.6	772

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19	Single-shot Ad26 vaccine protects against SARS-CoV-2 in rhesus macaques. Nature, 2020, 586, 583-588.	13.7	765
20	A SARS-like cluster of circulating bat coronaviruses shows potential for human emergence. Nature Medicine, 2015, 21, 1508-1513.	15.2	753
21	Animal models for COVID-19. Nature, 2020, 586, 509-515.	13.7	705
22	A decade after SARS: strategies for controlling emerging coronaviruses. Nature Reviews Microbiology, 2013, 11, 836-848.	13.6	573
23	Complement Activation Contributes to Severe Acute Respiratory Syndrome Coronavirus Pathogenesis. MBio, 2018, 9, .	1.8	557
24	Broad neutralization of SARS-related viruses by human monoclonal antibodies. Science, 2020, 369, 731-736.	6.0	534
25	A mouse-adapted model of SARS-CoV-2 to test COVID-19 countermeasures. Nature, 2020, 586, 560-566.	13.7	527
26	Pathogenesis of SARS-CoV-2 in Transgenic Mice Expressing Human Angiotensin-Converting Enzyme 2. Cell, 2020, 182, 50-58.e8.	13.5	502
27	Mechanisms of GII.4 Norovirus Persistence in Human Populations. PLoS Medicine, 2008, 5, e31.	3.9	486
28	Severe Acute Respiratory Syndrome Coronavirus ORF6 Antagonizes STAT1 Function by Sequestering Nuclear Import Factors on the Rough Endoplasmic Reticulum/Golgi Membrane. Journal of Virology, 2007, 81, 9812-9824.	1.5	472
29	A Mouse-Adapted SARS-CoV-2 Induces Acute Lung Injury and Mortality in Standard Laboratory Mice. Cell, 2020, 183, 1070-1085.e12.	13.5	472
30	Airway Memory CD4 + T Cells Mediate Protective Immunity against Emerging Respiratory Coronaviruses. Immunity, 2016, 44, 1379-1391.	6.6	468
31	Durability of mRNA-1273 vaccineâ€“induced antibodies against SARS-CoV-2 variants. Science, 2021, 373, 1372-1377.	6.0	459
32	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
33	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
34	Coronaviruses. RNA Biology, 2011, 8, 270-279.	1.5	441
35	A Mouse-Adapted SARS-Coronavirus Causes Disease and Mortality in BALB/c Mice. PLoS Pathogens, 2007, 3, e5.	2.1	428
36	A Double-Inactivated Severe Acute Respiratory Syndrome Coronavirus Vaccine Provides Incomplete Protection in Mice and Induces Increased Eosinophilic Proinflammatory Pulmonary Response upon Challenge. Journal of Virology, 2011, 85, 12201-12215.	1.5	427

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37	Elicitation of Potent Neutralizing Antibody Responses by Designed Protein Nanoparticle Vaccines for SARS-CoV-2. Cell, 2020, 183, 1367-1382.e17.	13.5	420
38	Remdesivir Inhibits SARS-CoV-2 in Human Lung Cells and Chimeric SARS-CoV Expressing the SARS-CoV-2 RNA Polymerase in Mice. Cell Reports, 2020, 32, 107940.	2.9	412
39	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
40	Broad spectrum antiviral remdesivir inhibits human endemic and zoonotic deltacoronaviruses with a highly divergent RNA dependent RNA polymerase. Antiviral Research, 2019, 169, 104541.	1.9	398
41	Toll-Like Receptor 3 Signaling via TRIF Contributes to a Protective Innate Immune Response to Severe Acute Respiratory Syndrome Coronavirus Infection. MBio, 2015, 6, e00638-15.	1.8	390
42	Infidelity of SARS-CoV Nsp14-Exonuclease Mutant Virus Replication Is Revealed by Complete Genome Sequencing. PLoS Pathogens, 2010, 6, e1000896.	2.1	381
43	SARS-like WIV1-CoV poised for human emergence. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3048-3053.	3.3	373
44	Identification of human neutralizing antibodies that bind to complex epitopes on dengue virions. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7439-7444.	3.3	350
45	The neutralizing antibody, LY-CoV555, protects against SARS-CoV-2 infection in nonhuman primates. Science Translational Medicine, 2021, 13, .	5.8	347
46	Reverse genetics with a full-length infectious cDNA of severe acute respiratory syndrome coronavirus. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12995-13000.	3.3	336
47	Severe Acute Respiratory Syndrome Coronavirus Papain-Like Protease Ubiquitin-Like Domain and Catalytic Domain Regulate Antagonism of IRF3 and NF-Î²B Signaling. Journal of Virology, 2009, 83, 6689-6705.	1.5	325
48	SARS-CoV-2 infection is effectively treated and prevented by EIDD-2801. Nature, 2021, 591, 451-457.	13.7	320
49	Severe Acute Respiratory Syndrome Coronavirus Infection of Human Ciliated Airway Epithelia: Role of Ciliated Cells in Viral Spread in the Conducting Airways of the Lungs. Journal of Virology, 2005, 79, 15511-15524.	1.5	303
50	Immunogenicity of Ad26.COV2.S vaccine against SARS-CoV-2 variants in humans. Nature, 2021, 596, 268-272.	13.7	290
51	Broad and potent activity against SARS-like viruses by an engineered human monoclonal antibody. Science, 2021, 371, 823-829.	6.0	285
52	Antibody potency, effector function, and combinations in protection and therapy for SARS-CoV-2 infection in vivo. Journal of Experimental Medicine, 2021, 218, .	4.2	283
53	Systematic Assembly of a Full-Length Infectious cDNA of Mouse Hepatitis Virus Strain A59. Journal of Virology, 2002, 76, 11065-11078.	1.5	281
54	Potent cross-reactive neutralization of SARS coronavirus isolates by human monoclonal antibodies. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12123-12128.	3.3	276

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55	Molecular pathology of emerging coronavirus infections. Journal of Pathology, 2015, 235, 185-195.	2.1	275
56	Human Lung Stem Cell-Based Alveolospheres Provide Insights into SARS-CoV-2-Mediated Interferon Responses and Pneumocyte Dysfunction. Cell Stem Cell, 2020, 27, 890-904.e8.	5.2	275
57	Progenitor identification and SARS-CoV-2 infection in human distal lung organoids. Nature, 2020, 588, 670-675.	13.7	273
58	Host genetic diversity enables Ebola hemorrhagic fever pathogenesis and resistance. Science, 2014, 346, 987-991.	6.0	262
59	Reverse genetics with a full-length infectious cDNA of the Middle East respiratory syndrome coronavirus. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16157-16162.	3.3	257
60	Binding of Norwalk Virus-Like Particles to ABH Histo-Blood Group Antigens Is Blocked by Antisera from Infected Human Volunteers or Experimentally Vaccinated Mice. Journal of Virology, 2002, 76, 12335-12343.	1.5	256
61	Genomic RNA Elements Drive Phase Separation of the SARS-CoV-2 Nucleocapsid. Molecular Cell, 2020, 80, 1078-1091.e6.	4.5	255
62	Small-Molecule Antiviral Î²- <scp>d</scp> - N ⁴ -Hydroxycytidine Inhibits a Proofreading-Intact Coronavirus with a High Genetic Barrier to Resistance. Journal of Virology, 2019, 93, .	1.5	252
63	Mechanisms of Severe Acute Respiratory Syndrome Coronavirus-Induced Acute Lung Injury. MBio, 2013, 4, .	1.8	251
64	Vaccine Efficacy in Senescent Mice Challenged with Recombinant SARS-CoV Bearing Epidemic and Zoonotic Spike Variants. PLoS Medicine, 2006, 3, e525.	3.9	249
65	Pathogenic Influenza Viruses and Coronaviruses Utilize Similar and Contrasting Approaches To Control Interferon-Stimulated Gene Responses. MBio, 2014, 5, e01174-14.	1.8	246
66	Human Papillomavirus and head and neck cancer: Epidemiology and molecular biology. , 1998, 20, 250-265.		243
67	Immunogenetic Mechanisms Driving Norovirus GII.4 Antigenic Variation. PLoS Pathogens, 2012, 8, e1002705.	2.1	242
68	A phase 2a clinical trial of molnupiravir in patients with COVID-19 shows accelerated SARS-CoV-2 RNA clearance and elimination of infectious virus. Science Translational Medicine, 2022, 14, eabl7430.	5.8	241
69	Evidence Supporting a Zoonotic Origin of Human Coronavirus Strain NL63. Journal of Virology, 2012, 86, 12816-12825.	1.5	239
70	Severe Acute Respiratory Syndrome Coronavirus Group-Specific Open Reading Frames Encode Nonessential Functions for Replication in Cell Cultures and Mice. Journal of Virology, 2005, 79, 14909-14922.	1.5	237
71	Cellular and Humoral Immunity following Snow Mountain Virus Challenge. Journal of Virology, 2005, 79, 2900-2909.	1.5	236
72	Synthetic recombinant bat SARS-like coronavirus is infectious in cultured cells and in mice. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19944-19949.	3.3	232

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73	Receptor usage and cell entry of bat coronavirus HKU4 provide insight into bat-to-human transmission of MERS coronavirus. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12516-12521.	3.3	232
74	Strategy for Systematic Assembly of Large RNA and DNA Genomes: Transmissible Gastroenteritis Virus Model. Journal of Virology, 2000, 74, 10600-10611.	1.5	230
75	InÂvitro and inÂvivo functions of SARS-CoV-2 infection-enhancing and neutralizing antibodies. Cell, 2021, 184, 4203-4219.e32.	13.5	228
76	A live, impaired-fidelity coronavirus vaccine protects in an aged, immunocompromised mouse model of lethal disease. Nature Medicine, 2012, 18, 1820-1826.	15.2	218
77	Human Coronavirus HKU1 Spike Protein Uses O -Acetylated Sialic Acid as an Attachment Receptor Determinant and Employs Hemagglutinin-Esterase Protein as a Receptor-Destroying Enzyme. Journal of Virology, 2015, 89, 7202-7213.	1.5	218
78	Identification of human neutralizing antibodies against MERS-CoV and their role in virus adaptive evolution. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2018-26.	3.3	216
79	Î²-<scp>d</scp>-N4-hydroxycytidine Inhibits SARS-CoV-2 Through Lethal Mutagenesis But Is Also Mutagenic To Mammalian Cells. Journal of Infectious Diseases, 2021, 224, 415-419.	1.9	211
80	Prevalent, protective, and convergent IgG recognition of SARS-CoV-2 non-RBD spike epitopes. Science, 2021, 372, 1108-1112.	6.0	210
81	Neutralizing antibody vaccine for pandemic and pre-emergent coronaviruses. Nature, 2021, 594, 553-559.	13.7	199
82	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
83	Attenuation and Restoration of Severe Acute Respiratory Syndrome Coronavirus Mutant Lacking 2â€²-O-Methyltransferase Activity. Journal of Virology, 2014, 88, 4251-4264.	1.5	194
84	An Immunocompetent Mouse Model of Zika Virus Infection. Cell Host and Microbe, 2018, 23, 672-685.e6.	5.1	192
85	In-Depth Analysis of the Antibody Response of Individuals Exposed to Primary Dengue Virus Infection. PLoS Neglected Tropical Diseases, 2011, 5, e1188.	1.3	184
86	Modeling Host Genetic Regulation of Influenza Pathogenesis in the Collaborative Cross. PLoS Pathogens, 2013, 9, e1003196.	2.1	183
87	MyD88 Is Required for Protection from Lethal Infection with a Mouse-Adapted SARS-CoV. PLoS Pathogens, 2008, 4, e1000240.	2.1	182
88	Ultrapotent antibodies against diverse and highly transmissible SARS-CoV-2 variants. Science, 2021, 373, .	6.0	174
89	De novo design of potent and resilient hACE2 decoys to neutralize SARS-CoV-2. Science, 2020, 370, 1208-1214.	6.0	172
90	A mouse model for MERS coronavirus-induced acute respiratory distress syndrome. Nature Microbiology, 2017, 2, 16226.	5.9	168

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91	MPLEx: a Robust and Universal Protocol for Single-Sample Integrative Proteomic, Metabolomic, and Lipidomic Analyses. MSystems, 2016, 1, .	1.7	166
92	Trypsin Treatment Unlocks Barrier for Zoonotic Bat Coronavirus Infection. Journal of Virology, 2020, 94, .	1.5	162
93	Emergence of New Pandemic GII.4 Sydney Norovirus Strain Correlates With Escape From Herd Immunity. Journal of Infectious Diseases, 2013, 208, 1877-1887.	1.9	151
94	Norovirus GII.4 Strain Antigenic Variation. Journal of Virology, 2011, 85, 231-242.	1.5	148
95	Structural Basis for Potent Cross-Neutralizing Human Monoclonal Antibody Protection against Lethal Human and Zoonotic Severe Acute Respiratory Syndrome Coronavirus Challenge. Journal of Virology, 2008, 82, 3220-3235.	1.5	144
96	Emergence of a Highly Fit SARS-CoV-2 Variant. New England Journal of Medicine, 2020, 383, 2684-2686.	13.9	144
97	Chimeric spike mRNA vaccines protect against Sarbecovirus challenge in mice. Science, 2021, 373, 991-998.	6.0	144
98	MERS-CoV and H5N1 influenza virus antagonize antigen presentation by altering the epigenetic landscape. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1012-E1021.	3.3	142
99	Lack of Durable Cross-Neutralizing Antibodies Against Zika Virus from Dengue Virus Infection. Emerging Infectious Diseases, 2017, 23, 773-781.	2.0	141
100	Emergence of a Norovirus GII.4 Strain Correlates with Changes in Evolving Blockade Epitopes. Journal of Virology, 2013, 87, 2803-2813.	1.5	140
101	Release of Severe Acute Respiratory Syndrome Coronavirus Nuclear Import Block Enhances Host Transcription in Human Lung Cells. Journal of Virology, 2013, 87, 3885-3902.	1.5	140
102	SARS-CoV Pathogenesis Is Regulated by a STAT1 Dependent but a Type I, II and III Interferon Receptor Independent Mechanism. PLoS Pathogens, 2010, 6, e1000849.	2.1	139
103	Genetic Mapping of a Highly Variable Norovirus GII.4 Blockade Epitope: Potential Role in Escape from Human Herd Immunity. Journal of Virology, 2012, 86, 1214-1226.	1.5	139
104	Genome Wide Identification of SARS-CoV Susceptibility Loci Using the Collaborative Cross. PLoS Genetics, 2015, 11, e1005504.	1.5	137
105	Molecular Determinants of Severe Acute Respiratory Syndrome Coronavirus Pathogenesis and Virulence in Young and Aged Mouse Models of Human Disease. Journal of Virology, 2012, 86, 884-897.	1.5	132
106	Elicitation of broadly protective sarbecovirus immunity by receptor-binding domain nanoparticle vaccines. Cell, 2021, 184, 5432-5447.e16.	13.5	131
107	Fc-engineered antibody therapeutics with improved anti-SARS-CoV-2 efficacy. Nature, 2021, 599, 465-470.	13.7	129
108	Possibility for reverse zoonotic transmission of SARS-CoV-2 to free-ranging wildlife: A case study of bats. PLoS Pathogens, 2020, 16, e1008758.	2.1	127

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109	Developing therapeutic approaches for twenty-first-century emerging infectious viral diseases. Nature Medicine, 2021, 27, 401-410.	15.2	127
110	MERS-CoV Accessory ORFs Play Key Role for Infection and Pathogenesis. MBio, 2017, 8, .	1.8	126
111	Structure of mouse coronavirus spike protein complexed with receptor reveals mechanism for viral entry. PLoS Pathogens, 2020, 16, e1008392.	2.1	126
112	Heterotypic Humoral and Cellular Immune Responses following Norwalk Virus Infection. Journal of Virology, 2010, 84, 1800-1815.	1.5	125
113	Middle East Respiratory Syndrome Coronavirus NS4b Protein Inhibits Host RNase L Activation. MBio, 2016, 7, e00258.	1.8	125
114	Multivalent norovirus vaccines induce strong mucosal and systemic blocking antibodies against multiple strains. Vaccine, 2006, 24, 5220-5234.	1.7	124
115	Annotation of long non-coding RNAs expressed in Collaborative Cross founder mice in response to respiratory virus infection reveals a new class of interferon-stimulated transcripts. RNA Biology, 2014, 11, 875-890.	1.5	122
116	Two Mutations Were Critical for Bat-to-Human Transmission of Middle East Respiratory Syndrome Coronavirus. Journal of Virology, 2015, 89, 9119-9123.	1.5	119
117	Broad Blockade Antibody Responses in Human Volunteers after Immunization with a Multivalent Norovirus VLP Candidate Vaccine: Immunological Analyses from a Phase I Clinical Trial. PLoS Medicine, 2015, 12, e1001807.	3.9	119
118	Congenital Zika virus infection as a silent pathology with loss of neurogenic output in the fetal brain. Nature Medicine, 2018, 24, 368-374.	15.2	117
119	Defining the risk of SARS-CoV-2 variants on immune protection. Nature, 2022, 605, 640-652.	13.7	117
120	Monoclonal Antibody-Based Antigenic Mapping of Norovirus GII.4-2002. Journal of Virology, 2012, 86, 873-883.	1.5	113
121	Norovirus Immunity and the Great Escape. PLoS Pathogens, 2012, 8, e1002921.	2.1	110
122	Jumping speciesâ€"a mechanism for coronavirus persistence and survival. Current Opinion in Virology, 2017, 23, 1-7.	2.6	110
123	Mutations in the SARS-CoV-2 RNA-dependent RNA polymerase confer resistance to remdesivir by distinct mechanisms. Science Translational Medicine, 2022, 14, eabo0718.	5.8	108
124	Coronavirus non-structural protein 16: Evasion, attenuation, and possible treatments. Virus Research, 2014, 194, 191-199.	1.1	105
125	Swine acute diarrhea syndrome coronavirus replication in primary human cells reveals potential susceptibility to infection. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26915-26925.	3.3	104
126	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

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127	High Potency of a Bivalent Human VH Domain in SARS-CoV-2 Animal Models. Cell, 2020, 183, 429-441.e16.	13.5	100
128	Detection of Norwalkâ€like Virus in Shellfish Implicated in Illness. Journal of Infectious Diseases, 2000, 181, S360-S366.	1.9	99
129	Cynomolgus Macaque as an Animal Model for Severe Acute Respiratory Syndrome. PLoS Medicine, 2006, 3, e149.	3.9	98
130	Dissecting antibodies induced by a chimeric yellow fever-dengue, live-attenuated, tetravalent dengue vaccine (CYD-TDV) in naÃ¯ve and dengue exposed individuals. Journal of Infectious Diseases, 2017, 215, jiw576.	1.9	97
131	Epigenetic Landscape during Coronavirus Infection. Pathogens, 2017, 6, 8.	1.2	96
132	A broadly cross-reactive antibody neutralizes and protects against sarbecovirus challenge in mice. Science Translational Medicine, 2022, 14, eabj7125.	5.8	93
133	Middle East Respiratory Syndrome Coronavirus Nonstructural Protein 16 Is Necessary for Interferon Resistance and Viral Pathogenesis. MSphere, 2017, 2, .	1.3	92
134	Investigate the origins of COVID-19. Science, 2021, 372, 694-694.	6.0	92
135	Expression and Self-Assembly of Norwalk Virus Capsid Protein from Venezuelan Equine Encephalitis Virus Replicons. Journal of Virology, 2002, 76, 3023-3030.	1.5	91
136	Neutralization mechanism of a highly potent antibody against Zika virus. Nature Communications, 2016, 7, 13679.	5.8	91
137	Cryo-EM and antisense targeting of the 28-kDa frameshift stimulation element from the SARS-CoV-2 RNA genome. Nature Structural and Molecular Biology, 2021, 28, 747-754.	3.6	91
138	Envelope Protein Glycosylation Mediates Zika Virus Pathogenesis. Journal of Virology, 2019, 93, .	1.5	89
139	Escape from Human Monoclonal Antibody Neutralization Affects In Vitro and In Vivo Fitness of Severe Acute Respiratory Syndrome Coronavirus. Journal of Infectious Diseases, 2010, 201, 946-955.	1.9	88
140	Improved quality control processing of peptide-centric LC-MS proteomics data. Bioinformatics, 2011, 27, 2866-2872.	1.8	88
141	Antagonism of dsRNA-Induced Innate Immune Pathways by NS4a and NS4b Accessory Proteins during MERS Coronavirus Infection. MBio, 2019, 10, .	1.8	88
142	Comparison of Subgenomic and Total RNA in SARS-CoV-2-Challenged Rhesus Macaques. Journal of Virology, 2021, 95, .	1.5	87
143	The Current and Future State of Vaccines, Antivirals and Gene Therapies Against Emerging Coronaviruses. Frontiers in Microbiology, 2020, 11, 658.	1.5	86
144	Mouse Dipeptidyl Peptidase 4 Is Not a Functional Receptor for Middle East Respiratory Syndrome Coronavirus Infection. Journal of Virology, 2014, 88, 5195-5199.	1.5	85

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145	Development and Characterization of a Reverse Genetic System for Studying Dengue Virus Serotype 3 Strain Variation and Neutralization. PLoS Neglected Tropical Diseases, 2012, 6, e1486.	1.3	81
146	Immune correlates of protection for dengue: State of the art and research agenda. Vaccine, 2017, 35, 4659-4669.	1.7	81
147	Rapid identification of a human antibody with high prophylactic and therapeutic efficacy in three animal models of SARS-CoV-2 infection. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29832-29838.	3.3	81
148	Deletion of the SARS-CoV-2 Spike Cytoplasmic Tail Increases Infectivity in Pseudovirus Neutralization Assays. Journal of Virology, 2021, 95, .	1.5	80
149	Expression Quantitative Trait Loci for Extreme Host Response to Influenza A in Pre-Collaborative Cross Mice. G3: Genes, Genomes, Genetics, 2012, 2, 213-221.	0.8	78
150	What Is the Reservoir of Emergent Human Norovirus Strains?. Journal of Virology, 2015, 89, 5756-5759.	1.5	78
151	Newcastle disease virus (NDV) expressing the spike protein of SARS-CoV-2 as a live virus vaccine candidate. EBioMedicine, 2020, 62, 103132.	2.7	77
152	Precision mouse models with expanded tropism for human pathogens. Nature Biotechnology, 2019, 37, 1163-1173.	9.4	76
153	Characterization of a Pathogenic Full-Length cDNA Clone and Transmission Model for Porcine Epidemic Diarrhea Virus Strain PC22A. MBio, 2016, 7, e01451-15.	1.8	75
154	Allelic Variation in the Toll-Like Receptor Adaptor ProteinTicam2Contributes to SARS-Coronavirus Pathogenesis in Mice. G3: Genes, Genomes, Genetics, 2017, 7, 1653-1663.	0.8	75
155	Systematic Assembly of a Full-Length Infectious Clone of Human Coronavirus NL63. Journal of Virology, 2008, 82, 11948-11957.	1.5	74
156	The State of Norovirus Vaccines. Clinical Infectious Diseases, 2014, 58, 1746-1752.	2.9	73
157	Vaccination-induced herd immunity: Successes and challenges. Journal of Allergy and Clinical Immunology, 2018, 142, 64-66.	1.5	73
158	Effects of Human Anti-Spike Protein Receptor Binding Domain Antibodies on Severe Acute Respiratory Syndrome Coronavirus Neutralization Escape and Fitness. Journal of Virology, 2014, 88, 13769-13780.	1.5	71
159	Sera Antibody Repertoire Analyses Reveal Mechanisms of Broad and Pandemic Strain Neutralizing Responses after Human Norovirus Vaccination. Immunity, 2019, 50, 1530-1541.e8.	6.6	71
160	Evaluation of Cell-Based and Surrogate SARS-CoV-2 Neutralization Assays. Journal of Clinical Microbiology, 2021, 59, e0052721.	1.8	71
161	Optimization of non-coding regions for a non-modified mRNA COVID-19 vaccine. Nature, 2022, 601, 410-414.	13.7	71
162	Successful Vaccination Strategies That Protect Aged Mice from Lethal Challenge from Influenza Virus and Heterologous Severe Acute Respiratory Syndrome Coronavirus. Journal of Virology, 2011, 85, 217-230.	1.5	69

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163	Maternally Acquired Zika Antibodies Enhance Dengue Disease Severity in Mice. Cell Host and Microbe, 2018, 24, 743-750.e5.	5.1	69
164	Saracatinib Inhibits Middle East Respiratory Syndrome-Coronavirus Replication In Vitro. Viruses, 2018, 10, 283.	1.5	69
165	Altering SARS Coronavirus Frameshift Efficiency Affects Genomic and Subgenomic RNA Production. Viruses, 2013, 5, 279-294.	1.5	67
166	3B11-N, a monoclonal antibody against MERS-CoV, reduces lung pathology in rhesus monkeys following intratracheal inoculation of MERS-CoV Jordan-n3/2012. Virology, 2016, 490, 49-58.	1.1	67
167	Stabilized coronavirus spike stem elicits a broadly protective antibody. Cell Reports, 2021, 37, 109929.	2.9	64
168	A comprehensive collection of systems biology data characterizing the host response to viral infection. Scientific Data, 2014, 1, 140033.	2.4	62
169	A Newcastle Disease Virus (NDV) Expressing a Membrane-Anchored Spike as a Cost-Effective Inactivated SARS-CoV-2 Vaccine. Vaccines, 2020, 8, 771.	2.1	61
170	Within-Host Evolution Results in Antigenically Distinct GII.4 Noroviruses. Journal of Virology, 2014, 88, 7244-7255.	1.5	60
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