

Jie Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

258
papers

72,881
citations

3116

95
h-index

850

251
g-index

272
all docs

272
docs citations

272
times ranked

100341
citing authors

#	ARTICLE	IF	CITATIONS
1	A(H1N1)pdm09 Influenza Viruses Replicating in Ferret Upper or Lower Respiratory Tract Differed in Onward Transmission Potential by Air. <i>Journal of Infectious Diseases</i> , 2022, 225, 65-74.	1.9	9
2	Low Environmental Temperature Exacerbates Severe Acute Respiratory Syndrome Coronavirus 2 Infection in Golden Syrian Hamsters. <i>Clinical Infectious Diseases</i> , 2022, 75, e1101-e1111.	2.9	17
3	SPINK6 inhibits human airway serine proteases and restricts influenza virus activation. <i>EMBO Molecular Medicine</i> , 2022, 14, e14485.	3.3	5
4	Attenuated replication and pathogenicity of SARS-CoV-2 B.1.1.529 Omicron. <i>Nature</i> , 2022, 603, 693-699.	13.7	460
5	Mutations that adapt SARS-CoV-2 to mink or ferret do not increase fitness in the human airway. <i>Cell Reports</i> , 2022, 38, 110344.	2.9	46
6	hnRNP C modulates MERS-CoV and SARS-CoV-2 replication by governing the expression of a subset of circRNAs and cognitive mRNAs. <i>Emerging Microbes and Infections</i> , 2022, 11, 519-531.	3.0	8
7	SARS-CoV-2 Omicron variant shows less efficient replication and fusion activity when compared with Delta variant in TMPRSS2-expressed cells. <i>Emerging Microbes and Infections</i> , 2022, 11, 277-283.	3.0	308
8	Striking antibody evasion manifested by the Omicron variant of SARS-CoV-2. <i>Nature</i> , 2022, 602, 676-681.	13.7	1,038
9	Neutralization of Severe Acute Respiratory Syndrome Coronavirus 2 Omicron Variant by Sera From BNT162b2 or CoronaVac Vaccine Recipients. <i>Clinical Infectious Diseases</i> , 2022, 75, e822-e826.	2.9	322
10	Rapid Spread of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Omicron Subvariant BA.2 in a Single-Source Community Outbreak. <i>Clinical Infectious Diseases</i> , 2022, 75, e44-e49.	2.9	66
11	Safety, tolerability and viral kinetics during SARS-CoV-2 human challenge in young adults. <i>Nature Medicine</i> , 2022, 28, 1031-1041.	15.2	281
12	Fusion-inhibition peptide broadly inhibits influenza virus and SARS-CoV-2, including Delta and Omicron variants. <i>Emerging Microbes and Infections</i> , 2022, 11, 926-937.	3.0	16
13	Establishing Human Lung Organoids and Proximal Differentiation to Generate Mature Airway Organoids. <i>Journal of Visualized Experiments</i> , 2022, , .	0.2	6
14	Animal models in SARS-CoV-2 research. <i>Nature Methods</i> , 2022, 19, 392-394.	9.0	51
15	Targeting papain-like protease for broad-spectrum coronavirus inhibition. <i>Protein and Cell</i> , 2022, 13, 940-953.	4.8	23
16	A self-amplifying RNA vaccine protects against SARS-CoV-2 (D614G) and Alpha variant of concern (B.1.1.7) in a transmission-challenge hamster model. <i>Vaccine</i> , 2022, 40, 2848-2855.	1.7	7
17	Interferon-gamma inhibits influenza A virus cellular attachment by reducing sialic acid cluster size. <i>IScience</i> , 2022, 25, 104037.	1.9	10
18	Broad-spectrum Respiratory Virus Entry Inhibitors. <i>Advances in Experimental Medicine and Biology</i> , 2022, 1366, 137-153.	0.8	2

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19	Intranasal administration of a single dose of a candidate live attenuated vaccine derived from an NSP16-deficient SARS-CoV-2 strain confers sterilizing immunity in animals. , 2022, 19, 588-601.		27
20	Bacillus Calmette-Guérin-induced trained immunity protects against SARS-CoV-2 challenge in K18-hACE2 mice. JCI Insight, 2022, 7, .	2.3	29
21	An orally available Mpro inhibitor is effective against wild-type SARS-CoV-2 and variants including Omicron. Nature Microbiology, 2022, 7, 716-725.	5.9	62
22	Pathogenicity of SARS-CoV-2 Omicron. Clinical and Translational Medicine, 2022, 12, e880.	1.7	12
23	Response to Evidence in favor of the essentiality of human cell membrane-bound ACE2 and against soluble ACE2 for SARS-CoV-2 infectivity. Cell, 2022, 185, 1840-1841.	13.5	3
24	Pathogenicity, transmissibility, and fitness of SARS-CoV-2 Omicron in Syrian hamsters. Science, 2022, 377, 428-433.	6.0	113
25	A bipotential organoid model of respiratory epithelium recapitulates high infectivity of SARS-CoV-2 Omicron variant. Cell Discovery, 2022, 8, .	3.1	28
26	A trifunctional peptide broadly inhibits SARS-CoV-2 Delta and Omicron variants in hamsters. Cell Discovery, 2022, 8, .	3.1	7
27	Investigating Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Surface and Air Contamination in an Acute Healthcare Setting During the Peak of the Coronavirus Disease 2019 (COVID-19) Pandemic in London. Clinical Infectious Diseases, 2021, 73, e1870-e1877.	2.9	227
28	Natural Transmission of Bat-like Severe Acute Respiratory Syndrome Coronavirus 2 Without Proline-Arginine-Arginine-Alanine Variants in Coronavirus Disease 2019 Patients. Clinical Infectious Diseases, 2021, 73, e437-e444.	2.9	62
29	SARS-CoV-2 Induces a More Robust Innate Immune Response and Replicates Less Efficiently Than SARS-CoV in the Human Intestines: An Ex Vivo Study With Implications on Pathogenesis of COVID-19. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 771-781.	2.3	41
30	STAT2-dependent restriction of Zika virus by human macrophages but not dendritic cells. Emerging Microbes and Infections, 2021, 10, 1024-1037.	3.0	12
31	<i>In silico</i> structure-based discovery of a SARS-CoV-2 main protease inhibitor. International Journal of Biological Sciences, 2021, 17, 1555-1564.	2.6	12
32	Development of Three-Dimensional Human Intestinal Organoids as a Physiologically Relevant Model for Characterizing the Viral Replication Kinetics and Antiviral Susceptibility of Enteroviruses. Biomedicines, 2021, 9, 88.	1.4	15
33	Aptamer-targeting of Aleutian mink disease virus (AMDV) can be an effective strategy to inhibit virus replication. Scientific Reports, 2021, 11, 4649.	1.6	7
34	Clofazimine broadly inhibits coronaviruses including SARS-CoV-2. Nature, 2021, 593, 418-423.	13.7	151
35	Host-derived lipids orchestrate pulmonary $\gamma\delta$ T cell response to provide early protection against influenza virus infection. Nature Communications, 2021, 12, 1914.	5.8	22
36	Cross-linking peptide and repurposed drugs inhibit both entry pathways of SARS-CoV-2. Nature Communications, 2021, 12, 1517.	5.8	43

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37	Human Intestinal Organoids Recapitulate Enteric Infections of Enterovirus and Coronavirus. <i>Stem Cell Reports</i> , 2021, 16, 493-504.	2.3	38
38	Soluble ACE2-mediated cell entry of SARS-CoV-2 via interaction with proteins related to the renin-angiotensin system. <i>Cell</i> , 2021, 184, 2212-2228.e12.	13.5	216
39	Robust SARS-CoV-2 infection in nasal turbinates after treatment with systemic neutralizing antibodies. <i>Cell Host and Microbe</i> , 2021, 29, 551-563.e5.	5.1	87
40	The furin cleavage site in the SARS-CoV-2 spike protein is required for transmission in ferrets. <i>Nature Microbiology</i> , 2021, 6, 899-909.	5.9	556
41	A new class of Î±-ketoamide derivatives with potent anticancer and anti-SARS-CoV-2 activities. <i>European Journal of Medicinal Chemistry</i> , 2021, 215, 113267.	2.6	13
42	Monocytic MDSC mobilization promotes tumor recurrence after liver transplantation via CXCL10/TLR4/MMP14 signaling. <i>Cell Death and Disease</i> , 2021, 12, 489.	2.7	37
43	Evaluating the fitness of PA/I38T-substituted influenza A viruses with reduced baloxavir susceptibility in a competitive mixtures ferret model. <i>PLoS Pathogens</i> , 2021, 17, e1009527.	2.1	23
44	Favipiravir-resistant influenza A virus shows potential for transmission. <i>PLoS Pathogens</i> , 2021, 17, e1008937.	2.1	23
45	Targeting highly pathogenic coronavirus-induced apoptosis reduces viral pathogenesis and disease severity. <i>Science Advances</i> , 2021, 7, .	4.7	48
46	Inhaled Dry Powder Formulation of Tamibarotene, a Broadâ€Spectrum Antiviral against Respiratory Viruses Including SARSâ€CoVâ€2 and Influenza Virus. <i>Advanced Therapeutics</i> , 2021, 4, 2100059.	1.6	12
47	Intradermal vaccination of live attenuated influenza vaccine protects mice against homologous and heterologous influenza challenges. <i>Npj Vaccines</i> , 2021, 6, 95.	2.9	6
48	The impact of spike N501Y mutation on neutralizing activity and RBD binding of SARS-CoV-2 convalescent serum. <i>EBioMedicine</i> , 2021, 71, 103544.	2.7	38
49	SARS-CoV-2 B.1.617.2 Delta variant replication and immune evasion. <i>Nature</i> , 2021, 599, 114-119.	13.7	1,041
50	Severe fever with thrombocytopenia syndrome virus (SFTSV)-host interactome screen identifies viral nucleoprotein-associated host factors as potential antiviral targets. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 5568-5577.	1.9	3
51	Host and viral determinants for efficient SARS-CoV-2 infection of the human lung. <i>Nature Communications</i> , 2021, 12, 134.	5.8	112
52	Lessons learned 1 year after SARS-CoV-2 emergence leading to COVID-19 pandemic. <i>Emerging Microbes and Infections</i> , 2021, 10, 507-535.	3.0	202
53	Coinfection by Severe Acute Respiratory Syndrome Coronavirus 2 and Influenza A(H1N1)pdm09 Virus Enhances the Severity of Pneumonia in Golden Syrian Hamsters. <i>Clinical Infectious Diseases</i> , 2021, 72, e978-e992.	2.9	84
54	SARS-CoV-2 exploits host DGAT and ADRP for efficient replication. <i>Cell Discovery</i> , 2021, 7, 100.	3.1	29

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55	In Silico Structure-Based Design of Antiviral Peptides Targeting the Severe Fever with Thrombocytopenia Syndrome Virus Glycoprotein Gn. <i>Viruses</i> , 2021, 13, 2047.	1.5	0
56	Emerging SARS-CoV-2 variants expand species tropism to murines. <i>EBioMedicine</i> , 2021, 73, 103643.	2.7	127
57	Activation of C-Type Lectin Receptor and (RIG)-I-Like Receptors Contributes to Proinflammatory Response in Middle East Respiratory Syndrome Coronavirus-Infected Macrophages. <i>Journal of Infectious Diseases</i> , 2020, 221, 647-659.	1.9	43
58	Oral SARS-CoV-2 Inoculation Establishes Subclinical Respiratory Infection with Virus Shedding in Golden Syrian Hamsters. <i>Cell Reports Medicine</i> , 2020, 1, 100121.	3.3	121
59	Discovery of SARS-CoV-2 antiviral drugs through large-scale compound repurposing. <i>Nature</i> , 2020, 586, 113-119.	13.7	672
60	Metalloidrug ranitidine bismuth citrate suppresses SARS-CoV-2 replication and relieves virus-associated pneumonia in Syrian hamsters. <i>Nature Microbiology</i> , 2020, 5, 1439-1448.	5.9	140
61	Human coronavirus dependency on host heat shock protein 90 reveals an antiviral target. <i>Emerging Microbes and Infections</i> , 2020, 9, 2663-2672.	3.0	46
62	Middle East Respiratory Syndrome Coronavirus ORF8b Accessory Protein Suppresses Type I IFN Expression by Impeding HSP70-Dependent Activation of IRF3 Kinase IKK μ . <i>Journal of Immunology</i> , 2020, 205, 1564-1579.	0.4	30
63	Comparative Transcriptomic Analysis of Rhinovirus and Influenza Virus Infection. <i>Frontiers in Microbiology</i> , 2020, 11, 1580.	1.5	15
64	Metabolic Profiling Reveals Significant Perturbations of Intracellular Glucose Homeostasis in Enterovirus-Infected Cells. <i>Metabolites</i> , 2020, 10, 302.	1.3	9
65	Differential immune activation profile of SARS-CoV-2 and SARS-CoV infection in human lung and intestinal cells: Implications for treatment with IFN- β and IFN inducer. <i>Journal of Infection</i> , 2020, 81, e1-e10.	1.7	41
66	A broad-spectrum virus- and host-targeting peptide against respiratory viruses including influenza virus and SARS-CoV-2. <i>Nature Communications</i> , 2020, 11, 4252.	5.8	86
67	Viruses harness YxxA \sim motif to interact with host AP2M1 for replication: A vulnerable broad-spectrum antiviral target. <i>Science Advances</i> , 2020, 6, eaba7910.	4.7	40
68	Quantifying mechanistic traits of influenza viral dynamics using in vitro data. <i>Epidemics</i> , 2020, 33, 100406.	1.5	10
69	Early triple antiviral therapy for COVID-19 – Authors' reply. <i>Lancet, The</i> , 2020, 396, 1488.	6.3	5
70	Nanopore Sequencing Reveals Novel Targets for Detection and Surveillance of Human and Avian Influenza A Viruses. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	19
71	Triple combination of interferon beta-1b, lopinavir-ritonavir, and ribavirin in the treatment of patients admitted to hospital with COVID-19: an open-label, randomised, phase 2 trial. <i>Lancet, The</i> , 2020, 395, 1695-1704.	6.3	1,244
72	Infection of bat and human intestinal organoids by SARS-CoV-2. <i>Nature Medicine</i> , 2020, 26, 1077-1083.	15.2	441

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73	Surgical Mask Partition Reduces the Risk of Noncontact Transmission in a Golden Syrian Hamster Model for Coronavirus Disease 2019 (COVID-19). <i>Clinical Infectious Diseases</i> , 2020, 71, 2139-2149.	2.9	501
74	Discovery of the FDA-approved drugs bexarotene, cetilistat, diiodohydroxyquinoline, and abiraterone as potential COVID-19 treatments with a robust two-tier screening system. <i>Pharmacological Research</i> , 2020, 159, 104960.	3.1	56
75	Broad-Spectrum Host-Based Antivirals Targeting the Interferon and Lipogenesis Pathways as Potential Treatment Options for the Pandemic Coronavirus Disease 2019 (COVID-19). <i>Viruses</i> , 2020, 12, 628.	1.5	55
76	Attenuated Interferon and Proinflammatory Response in SARS-CoV-2-Infected Human Dendritic Cells Is Associated With Viral Antagonism of STAT1 Phosphorylation. <i>Journal of Infectious Diseases</i> , 2020, 222, 734-745.	1.9	165
77	Improved Molecular Diagnosis of COVID-19 by the Novel, Highly Sensitive and Specific COVID-19-RdRp/Hex Real-Time Reverse Transcription-PCR Assay Validated <i>In Vitro</i> and with Clinical Specimens. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	780
78	Temporal profiles of viral load in posterior oropharyngeal saliva samples and serum antibody responses during infection by SARS-CoV-2: an observational cohort study. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 565-574.	4.6	2,704
79	Simulation of the Clinical and Pathological Manifestations of Coronavirus Disease 2019 (COVID-19) in a Golden Syrian Hamster Model: Implications for Disease Pathogenesis and Transmissibility. <i>Clinical Infectious Diseases</i> , 2020, 71, 2428-2446.	2.9	839
80	Self-amplifying RNA SARS-CoV-2 lipid nanoparticle vaccine candidate induces high neutralizing antibody titers in mice. <i>Nature Communications</i> , 2020, 11, 3523.	5.8	357
81	High neutralizing antibody titer in intensive care unit patients with COVID-19. <i>Emerging Microbes and Infections</i> , 2020, 9, 1664-1670.	3.0	129
82	Characterising viable virus from air exhaled by H1N1 influenza-infected ferrets reveals the importance of haemagglutinin stability for airborne infectivity. <i>PLoS Pathogens</i> , 2020, 16, e1008362.	2.1	25
83	Clinical Characteristics of Coronavirus Disease 2019 in China. <i>New England Journal of Medicine</i> , 2020, 382, 1708-1720.	13.9	22,372
84	A familial cluster of pneumonia associated with the 2019 novel coronavirus indicating person-to-person transmission: a study of a family cluster. <i>Lancet</i> , The, 2020, 395, 514-523.	6.3	7,120
85	Genomic characterization of the 2019 novel human-pathogenic coronavirus isolated from a patient with atypical pneumonia after visiting Wuhan. <i>Emerging Microbes and Infections</i> , 2020, 9, 221-236.	3.0	2,389
86	Competing endogenous RNA network profiling reveals novel host dependency factors required for MERS-CoV propagation. <i>Emerging Microbes and Infections</i> , 2020, 9, 733-746.	3.0	58
87	Comparative Replication and Immune Activation Profiles of SARS-CoV-2 and SARS-CoV in Human Lungs: An Ex Vivo Study With Implications for the Pathogenesis of COVID-19. <i>Clinical Infectious Diseases</i> , 2020, 71, 1400-1409.	2.9	561
88	Targeting the Inositol-Requiring Enzyme-1 Pathway Efficiently Reverts Zika Virus-Induced Neurogenesis and Spermatogenesis Marker Perturbations. <i>ACS Infectious Diseases</i> , 2020, 6, 1745-1758.	1.8	9
89	Comparative tropism, replication kinetics, and cell damage profiling of SARS-CoV-2 and SARS-CoV with implications for clinical manifestations, transmissibility, and laboratory studies of COVID-19: an observational study. <i>Lancet Microbe</i> , The, 2020, 1, e14-e23.	3.4	683
90	Baloxavir treatment of ferrets infected with influenza A(H1N1)pdm09 virus reduces onward transmission. <i>PLoS Pathogens</i> , 2020, 16, e1008395.	2.1	28

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91	Title is missing!. , 2020, 16, e1008395.		0
92	Title is missing!. , 2020, 16, e1008395.		0
93	Title is missing!.. , 2020, 16, e1008395.		0
94	Title is missing!. , 2020, 16, e1008395.		0
95	Targeting SUMO Modification of the Non-Structural Protein 5 of Zika Virus as a Host-Targeting Antiviral Strategy. International Journal of Molecular Sciences, 2019, 20, 392.	1.8	19
96	Characterization of the Lipidomic Profile of Human Coronavirus-Infected Cells: Implications for Lipid Metabolism Remodeling upon Coronavirus Replication. Viruses, 2019, 11, 73.	1.5	228
97	A novel partial lid for mechanical defeatherers reduced aerosol dispersion during processing of avian influenza virus infected poultry. PLoS ONE, 2019, 14, e0216478.	1.1	3
98	Screening of an FDA-Approved Drug Library with a Two-Tier System Identifies an Entry Inhibitor of Severe Fever with Thrombocytopenia Syndrome Virus. Viruses, 2019, 11, 385.	1.5	20
99	Severe acute respiratory syndrome Coronavirus ORF3a protein activates the NLRP3 inflammasome by promoting TRAF3-dependent ubiquitination of ASC. FASEB Journal, 2019, 33, 8865-8877.	0.2	434
100	Lipidomic Profiling Reveals Significant Perturbations of Intracellular Lipid Homeostasis in Enterovirus-Infected Cells. International Journal of Molecular Sciences, 2019, 20, 5952.	1.8	27
101	Generation of DelNS1 Influenza Viruses: a Strategy for Optimizing Live Attenuated Influenza Vaccines. MBio, 2019, 10, .	1.8	51
102	Prostaglandin E2-Mediated Impairment of Innate Immune Response to A(H1N1)pdm09 Infection in Diet-Induced Obese Mice Could Be Restored by Paracetamol. Journal of Infectious Diseases, 2019, 219, 795-807.	1.9	17
103	SREBP-dependent lipidomic reprogramming as a broad-spectrum antiviral target. Nature Communications, 2019, 10, 120.	5.8	192
104	Establishment of a lethal aged mouse model of human respiratory syncytial virus infection. Antiviral Research, 2019, 161, 125-133.	1.9	4
105	Identification and characterization of <sc>GLDC</sc> as host susceptibility gene to severe influenza. EMBO Molecular Medicine, 2019, 11, .	3.3	20
106	Defining the sizes of airborne particles that mediate influenza transmission in ferrets. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2386-E2392.	3.3	71
107	Rhinovirus respiratory tract infection in hospitalized adult patients is associated with T H 2 response irrespective of asthma. Journal of Infection, 2018, 76, 465-474.	1.7	27
108	Inhibitors of Influenza A Virus Polymerase. ACS Infectious Diseases, 2018, 4, 218-223.	1.8	19

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109	Large-scale sequence analysis reveals novel human-adaptive markers in PB2 segment of seasonal influenza A viruses. <i>Emerging Microbes and Infections</i> , 2018, 7, 1-12.	3.0	13
110	Immunization With a Novel Human Type 5 Adenovirus-Vectored Vaccine Expressing the Premembrane and Envelope Proteins of Zika Virus Provides Consistent and Sterilizing Protection in Multiple Immunocompetent and Immunocompromised Animal Models. <i>Journal of Infectious Diseases</i> , 2018, 218, 365-377.	1.9	46
111	Integrated analysis of mRNA-seq and miRNA-seq for host susceptibilities to influenza A (H7N9) infection in inbred mouse lines. <i>Functional and Integrative Genomics</i> , 2018, 18, 411-424.	1.4	6
112	Genetic analysis of H7N9 highly pathogenic avian influenza virus in Guangdong, China, 2016â€“2017. <i>Journal of Infection</i> , 2018, 76, 93-96.	1.7	12
113	Assessing the risk of downwind spread of avian influenza virus via airborne particles from an urban wholesale poultry market. <i>Building and Environment</i> , 2018, 127, 120-126.	3.0	19
114	The celecoxib derivative kinase inhibitor AR-12 (OSU-03012) inhibits Zika virus via down-regulation of the PI3K/Akt pathway and protects Zika virus-infected A129 mice: A host-targeting treatment strategy. <i>Antiviral Research</i> , 2018, 160, 38-47.	1.9	35
115	Co-stimulation With TLR7 Agonist Imiquimod and Inactivated Influenza Virus Particles Promotes Mouse B Cell Activation, Differentiation, and Accelerated Antigen Specific Antibody Production. <i>Frontiers in Immunology</i> , 2018, 9, 2370.	2.2	21
116	Dual-functional peptide with defective interfering genes effectively protects mice against avian and seasonal influenza. <i>Nature Communications</i> , 2018, 9, 2358.	5.8	63
117	Differentiated human airway organoids to assess infectivity of emerging influenza virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6822-6827.	3.3	215
118	Middle East respiratory syndrome coronavirus and bat coronavirus HKU9 both can utilize GRP78 for attachment onto host cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 11709-11726.	1.6	153
119	Human tryptophanyl-tRNA synthetase is an IFN-Î³-inducible entry factor for Enterovirus. <i>Journal of Clinical Investigation</i> , 2018, 128, 5163-5177.	3.9	39
120	Talaromyces marneffeii Mp1p Is a Virulence Factor that Binds and Sequesters a Key Proinflammatory Lipid to Dampen Host Innate Immune Response. <i>Cell Chemical Biology</i> , 2017, 24, 182-194.	2.5	26
121	Improved detection of Zika virus <scp>RNA</scp> in human and animal specimens by a novel, highly sensitive and specific real-time RT-PCR assay targeting the 5' untranslated region of Zika virus. <i>Tropical Medicine and International Health</i> , 2017, 22, 594-603.	1.0	34
122	Interplay between SIRT1 and hepatitis B virus X protein in the activation of viral transcription. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2017, 1860, 491-501.	0.9	47
123	Novel antiviral activity and mechanism of bromocriptine as a Zika virus NS2B-NS3 protease inhibitor. <i>Antiviral Research</i> , 2017, 141, 29-37.	1.9	102
124	Structure of the S1 subunit C-terminal domain from bat-derived coronavirus HKU5 spike protein. <i>Virology</i> , 2017, 507, 101-109.	1.1	13
125	Rhinovirus â€“ From bench to bedside. <i>Journal of the Formosan Medical Association</i> , 2017, 116, 496-504.	0.8	64
126	Selective Activation of Type II Interferon Signaling by Zika Virus NS5 Protein. <i>Journal of Virology</i> , 2017, 91, .	1.5	88

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127	A tricyclic pyrrolbenzodiazepine produced by <i>Klebsiella oxytoca</i> is associated with cytotoxicity in antibiotic-associated hemorrhagic colitis. <i>Journal of Biological Chemistry</i> , 2017, 292, 19503-19520.	1.6	39
128	A peptide-based viral inactivator inhibits Zika virus infection in pregnant mice and fetuses. <i>Nature Communications</i> , 2017, 8, 15672.	5.8	115
129	Structure-based discovery of clinically approved drugs as Zika virus NS2B-NS3 protease inhibitors that potently inhibit Zika virus infection in vitro and in vivo. <i>Antiviral Research</i> , 2017, 145, 33-43.	1.9	99
130	Human intestinal tract serves as an alternative infection route for Middle East respiratory syndrome coronavirus. <i>Science Advances</i> , 2017, 3, eaao4966.	4.7	317
131	Identification of a novel small-molecule compound targeting the influenza A virus polymerase PB1-PB2 interface. <i>Antiviral Research</i> , 2017, 137, 58-66.	1.9	18
132	PB2 substitutions V598T/I increase the virulence of H7N9 influenza A virus in mammals. <i>Virology</i> , 2017, 501, 92-101.	1.1	34
133	Antibody-Dependent Cell-Mediated Cytotoxicity Epitopes on the Hemagglutinin Head Region of Pandemic H1N1 Influenza Virus Play Detrimental Roles in H1N1-Infected Mice. <i>Frontiers in Immunology</i> , 2017, 8, 317.	2.2	32
134	Broad-spectrum inhibition of common respiratory RNA viruses by a pyrimidine synthesis inhibitor with involvement of the host antiviral response. <i>Journal of General Virology</i> , 2017, 98, 946-954.	1.3	53
135	Isolation of H5N6, H7N9 and H9N2 avian influenza A viruses from air sampled at live poultry markets in China, 2014 and 2015. <i>Eurosurveillance</i> , 2016, 21, .	3.9	54
136	A novel peptide with potent and broad-spectrum antiviral activities against multiple respiratory viruses. <i>Scientific Reports</i> , 2016, 6, 22008.	1.6	133
137	Zika fever and congenital Zika syndrome: An unexpected emerging arboviral disease. <i>Journal of Infection</i> , 2016, 72, 507-524.	1.7	215
138	Hemagglutinin of influenza A virus binds specifically to cell surface nucleolin and plays a role in virus internalization. <i>Virology</i> , 2016, 494, 78-88.	1.1	42
139	Novel Mutations L228I and Y232H Cause Nonnucleoside Reverse Transcriptase Inhibitor Resistance in Combinational Pattern. <i>AIDS Research and Human Retroviruses</i> , 2016, 32, 909-917.	0.5	4
140	Middle East respiratory syndrome coronavirus M protein suppresses type I interferon expression through the inhibition of TBK1-dependent phosphorylation of IRF3. <i>Emerging Microbes and Infections</i> , 2016, 5, 1-9.	3.0	108
141	Carcinoembryonic Antigen-Related Cell Adhesion Molecule 5 Is an Important Surface Attachment Factor That Facilitates Entry of Middle East Respiratory Syndrome Coronavirus. <i>Journal of Virology</i> , 2016, 90, 9114-9127.	1.5	68
142	Novel residues in the PA protein of avian influenza H7N7 virus affect virulence in mammalian hosts. <i>Virology</i> , 2016, 498, 1-8.	1.1	12
143	Differential cell line susceptibility to the emerging Zika virus: implications for disease pathogenesis, non-vector-borne human transmission and animal reservoirs. <i>Emerging Microbes and Infections</i> , 2016, 5, 1-12.	3.0	139
144	Zika Virus Infection in Dexamethasone-immunosuppressed Mice Demonstrating Disseminated Infection with Multi-organ Involvement Including Orchitis Effectively Treated by Recombinant Type I Interferons. <i>EBioMedicine</i> , 2016, 14, 112-122.	2.7	77

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145	Amino acid substitutions V63I or A37S/I61T/V63I/V100A in the PA N-terminal domain increase the virulence of H7N7 influenza A virus. <i>Scientific Reports</i> , 2016, 6, 37800.	1.6	25
146	MERS coronavirus induces apoptosis in kidney and lung by upregulating Smad7 and FGF2. <i>Nature Microbiology</i> , 2016, 1, 16004.	5.9	140
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