Jie Zhou

List of Publications by Year in Descending Order

255 papers	50,921 citations	84 h-index	225 g-index
272 ext. papers	64,003 ext. citations	13 avg, IF	7.77 L-index

#	Paper	IF	Citations
255	Attenuated replication and pathogenicity of SARS-CoV-2 B.1.1.529 Omicron.. *Nature*, **2022**,	50.4	70
254	Mutations that adapt SARS-CoV-2 to mink or ferret do not increase fitness in the human airway.. *Cell Reports*, **2022**, 110344	10.6	10
253	hnRNP C modulates MERS-CoV and SARS-CoV-2 replication by governing the expression of a subset of circRNAs and cognitive mRNAs.. *Emerging Microbes and Infections*, **2022**, 1-39	18.9	1
252	Rapid spread of SARS-CoV-2 Omicron subvariant BA.2 in a single-source community outbreak.. *Clinical Infectious Diseases*, **2022**,	11.6	12
251	Safety, tolerability and viral kinetics during SARS-CoV-2 human challenge in young adults.. *Nature Medicine*, **2022**,	50.5	23
250	Fusion-inhibition peptide broadly inhibits influenza virus and SARS-CoV-2 including Delta and Omicron variants.. *Emerging Microbes and Infections*, **2022**, 1-27	18.9	2
249	Targeting papain-like protease for broad-spectrum coronavirus inhibition.. *Protein and Cell*, **2022**, 1	7.2	2
248	Interferon-gamma inhibits influenza A virus cellular attachment by reducing sialic acid cluster size.. *IScience*, **2022**, 25, 104037	6.1	2
247	Broad-spectrum Respiratory Virus Entry Inhibitors.. *Advances in Experimental Medicine and Biology*, **2022**, 1366, 137-153	3.6	0
246	An orally available M inhibitor is effective against wild-type SARS-CoV-2 and variants including Omicron.. *Nature Microbiology*, **2022**, 7, 716-725	26.6	5
245	Pathogenicity of SARS-CoV-2 Omicron.. *Clinical and Translational Medicine*, **2022**, 12, e880	5.7	0
244	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	56.2	0
243	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	11.6	126
242	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	11.6	39
241	SARS-CoV-2 Omicron variant shows less efficient replication and fusion activity when compared with delta variant in TMPRSS2-expressed cells.. *Emerging Microbes and Infections*, **2021**, 1-18	18.9	75
240	Striking Antibody Evasion Manifested by the Omicron Variant of SARS-CoV-2.. *Nature*, **2021**,	50.4	227
239	Neutralization of SARS-CoV-2 Omicron variant by sera from BNT162b2 or Coronavac vaccine recipients.. *Clinical Infectious Diseases*, **2021**,	11.6	94

238	SPINK6 inhibits human airway serine proteases and restricts influenza virus activation. *EMBO Molecular Medicine*, **2021**, e14485	12	0
237	SARS-CoV-2 exploits host DGAT and ADRP for efficient replication. *Cell Discovery*, **2021**, 7, 100	22.3	1
236	Emerging SARS-CoV-2 variants expand species tropism to murines. *EBioMedicine*, **2021**, 73, 103643	8.8	34
235	Coinfection by Severe Acute Respiratory Syndrome Coronavirus 2 and Influenza A(H1N1)pdm09 Virus Enhances the Severity of Pneumonia in Golden Syrian Hamsters. *Clinical Infectious Diseases*, **2021**, 72, e978-e992	11.6	47
234	Clofazimine broadly inhibits coronaviruses including SARS-CoV-2. *Nature*, **2021**, 593, 418-423	50.4	61
233	Host-derived lipids orchestrate pulmonary □T cell response to provide early protection against influenza virus infection. *Nature Communications*, **2021**, 12, 1914	17.4	6
232	Cross-linking peptide and repurposed drugs inhibit both entry pathways of SARS-CoV-2. *Nature Communications*, **2021**, 12, 1517	17.4	24
231	Human Intestinal Organoids Recapitulate Enteric Infections of Enterovirus and Coronavirus. *Stem Cell Reports*, **2021**, 16, 493-504	8	10
230	Soluble ACE2-mediated cell entry of SARS-CoV-2 via interaction with proteins related to the renin-angiotensin system. *Cell*, **2021**, 184, 2212-2228.e12	56.2	94
229	Robust SARS-CoV-2 infection in nasal turbinates after treatment with systemic neutralizing antibodies. *Cell Host and Microbe*, **2021**, 29, 551-563.e5	23.4	42
228	The furin cleavage site in the SARS-CoV-2 spike protein is required for transmission in ferrets. *Nature Microbiology*, **2021**, 6, 899-909	26.6	206
227	A new class of □ketoamide derivatives with potent anticancer and anti-SARS-CoV-2 activities. *European Journal of Medicinal Chemistry*, **2021**, 215, 113267	6.8	4
226	Monocytic MDSC mobilization promotes tumor recurrence after liver transplantation via CXCL10/TLR4/MMP14 signaling. *Cell Death and Disease*, **2021**, 12, 489	9.8	6
225	Evaluating the fitness of PA/I38T-substituted influenza A viruses with reduced baloxavir susceptibility in a competitive mixtures ferret model. *PLoS Pathogens*, **2021**, 17, e1009527	7.6	7
224	Favipiravir-resistant influenza A virus shows potential for transmission. *PLoS Pathogens*, **2021**, 17, e1008937	7.6	6
223	Targeting highly pathogenic coronavirus-induced apoptosis reduces viral pathogenesis and disease severity. *Science Advances*, **2021**, 7,	14.3	22
222	Inhaled Dry Powder Formulation of Tamibarotene, a Broad-Spectrum Antiviral against Respiratory Viruses Including SARS-CoV-2 and Influenza Virus. *Advanced Therapeutics*, **2021**, 4, 2100059	4.9	4
221	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	7.9	26

220	STAT2-dependent restriction of Zika virus by human macrophages but not dendritic cells. *Emerging Microbes and Infections*, **2021**, 10, 1024-1037	18.9	0
219	structure-based discovery of a SARS-CoV-2 main protease inhibitor. *International Journal of Biological Sciences*, **2021**, 17, 1555-1564	11.2	5
218	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,	4.8	4
217	Aptamer-targeting of Aleutian mink disease virus (AMDV) can be an effective strategy to inhibit virus replication. *Scientific Reports*, **2021**, 11, 4649	4.9	2
216	Intradermal vaccination of live attenuated influenza vaccine protects mice against homologous and heterologous influenza challenges. *Npj Vaccines*, **2021**, 6, 95	9.5	1
215	The impact of spike N501Y mutation on neutralizing activity and RBD binding of SARS-CoV-2 convalescent serum. *EBioMedicine*, **2021**, 71, 103544	8.8	16
214	Low Environmental Temperature Exacerbates Severe Acute Respiratory Syndrome Coronavirus 2 Infection in Golden Syrian Hamsters. *Clinical Infectious Diseases*, **2021**,	11.6	5
213	SARS-CoV-2 B.1.617.2 Delta variant replication and immune evasion. *Nature*, **2021**, 599, 114-119	50.4	334
212	Severe fever with thrombocytopenia syndrome virus (SFTSV)-host interactome screen identifies viral nucleoprotein-associated host factors as potential antiviral targets. *Computational and Structural Biotechnology Journal*, **2021**, 19, 5568-5577	6.8	0
211	Host and viral determinants for efficient SARS-CoV-2 infection of the human lung. *Nature Communications*, **2021**, 12, 134	17.4	63
210	Lessons learned 1 year after SARS-CoV-2 emergence leading to COVID-19 pandemic. *Emerging Microbes and Infections*, **2021**, 10, 507-535	18.9	61
209	Quantifying mechanistic traits of influenza viral dynamics using in vitro data. *Epidemics*, **2020**, 33, 100406	5.1	1
208	Early triple antiviral therapy for COVID-19 - AuthorsSreply. *Lancet, The*, **2020**, 396, 1488	40	4
207	Nanopore Sequencing Reveals Novel Targets for Detection and Surveillance of Human and Avian Influenza A Viruses. *Journal of Clinical Microbiology*, **2020**, 58,	9.7	13
206	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. *Lancet, The*, **2020**, 395, 1695-1704	40	948
205	Infection of bat and human intestinal organoids by SARS-CoV-2. *Nature Medicine*, **2020**, 26, 1077-1083	50.5	285
204	Surgical Mask Partition Reduces the Risk of Noncontact Transmission in a Golden Syrian Hamster Model for Coronavirus Disease 2019 (COVID-19). *Clinical Infectious Diseases*, **2020**, 71, 2139-2149	11.6	310
203	Discovery of the FDA-approved drugs bexarotene, cetilistat, diiodohydroxyquinoline, and abiraterone as potential COVID-19 treatments with a robust two-tier screening system. *Pharmacological Research*, **2020**, 159, 104960	10.2	38

202	Broad-Spectrum Host-Based Antivirals Targeting the Interferon and Lipogenesis Pathways as Potential Treatment Options for the Pandemic Coronavirus Disease 2019 (COVID-19). *Viruses*, **2020**, 12,	6.2	34
201	Attenuated Interferon and Proinflammatory Response in SARS-CoV-2-Infected Human Dendritic Cells Is Associated With Viral Antagonism of STAT1 Phosphorylation. *Journal of Infectious Diseases*, **2020**, 222, 734-745	7	96
200	Improved Molecular Diagnosis of COVID-19 by the Novel, Highly Sensitive and Specific COVID-19-RdRp/Hel Real-Time Reverse Transcription-PCR Assay Validated and with Clinical Specimens. *Journal of Clinical Microbiology*, **2020**, 58,	9.7	572
199	Temporal profiles of viral load in posterior oropharyngeal saliva samples and serum antibody responses during infection by SARS-CoV-2: an observational cohort study. *Lancet Infectious Diseases, The*, **2020**, 20, 565-574	25.5	2081
198	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. *Clinical Infectious Diseases*, **2020**, 71, 2428-2446	11.6	537
197	Self-amplifying RNA SARS-CoV-2 lipid nanoparticle vaccine candidate induces high neutralizing antibody titers in mice. *Nature Communications*, **2020**, 11, 3523	17.4	216
196	High neutralizing antibody titer in intensive care unit patients with COVID-19. *Emerging Microbes and Infections*, **2020**, 9, 1664-1670	18.9	86
195	Characterising viable virus from air exhaled by H1N1 influenza-infected ferrets reveals the importance of haemagglutinin stability for airborne infectivity. *PLoS Pathogens*, **2020**, 16, e1008362	7.6	12
194	Clinical Characteristics of Coronavirus Disease 2019 in China. *New England Journal of Medicine*, **2020** , 382, 1708-1720	59.2	15713
193	A familial cluster of pneumonia associated with the 2019 novel coronavirus indicating person-to-person transmission: a study of a family cluster. *Lancet, The*, **2020**, 395, 514-523	40	5219
192	Genomic characterization of the 2019 novel human-pathogenic coronavirus isolated from a patient with atypical pneumonia after visiting Wuhan. *Emerging Microbes and Infections*, **2020**, 9, 221-236	18.9	1681
191	Competing endogenous RNA network profiling reveals novel host dependency factors required for MERS-CoV propagation. *Emerging Microbes and Infections*, **2020**, 9, 733-746	18.9	39
190	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. *Clinical Infectious Diseases*, **2020**, 71, 1400-1409	11.6	431
189	Targeting the Inositol-Requiring Enzyme-1 Pathway Efficiently Reverts Zika Virus-Induced Neurogenesis and Spermatogenesis Marker Perturbations. *ACS Infectious Diseases*, **2020**, 6, 1745-1758	5.5	8
188	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. *Lancet Microbe, The*, **2020**, 1, e14-e23	22.2	415
187	Activation of C-Type Lectin Receptor and (RIG)-I-Like Receptors Contributes to Proinflammatory Response in Middle East Respiratory Syndrome Coronavirus-Infected Macrophages. *Journal of Infectious Diseases*, **2020**, 221, 647-659	7	24
186	Clofazimine is a broad-spectrum coronavirus inhibitor that antagonizes SARS-CoV-2 replication in primary human cell culture and hamsters **2020**,		8
185	A Large-scale Drug Repositioning Survey for SARS-CoV-2 Antivirals **2020**,		40

184	Oral SARS-CoV-2 Inoculation Establishes Subclinical Respiratory Infection with Virus Shedding in Golden Syrian Hamsters. *Cell Reports Medicine*, **2020**, 1, 100121	18	61
183	Discovery of SARS-CoV-2 antiviral drugs through large-scale compound repurposing. *Nature*, **2020**, 586, 113-119	50.4	405
182	Metallodrug ranitidine bismuth citrate suppresses SARS-CoV-2 replication and relieves virus-associated pneumonia in Syrian hamsters. *Nature Microbiology*, **2020**, 5, 1439-1448	26.6	76
181	Human coronavirus dependency on host heat shock protein 90 reveals an antiviral target. *Emerging Microbes and Infections*, **2020**, 9, 2663-2672	18.9	17
180	Middle East Respiratory Syndrome Coronavirus ORF8b Accessory Protein Suppresses Type I IFN Expression by Impeding HSP70-Dependent Activation of IRF3 Kinase IKK. *Journal of Immunology*, **2020**, 205, 1564-1579	5.3	15
179	Comparative Transcriptomic Analysis of Rhinovirus and Influenza Virus Infection. *Frontiers in Microbiology*, **2020**, 11, 1580	5.7	3
178	Metabolic Profiling Reveals Significant Perturbations of Intracellular Glucose Homeostasis in -Infected Cells. *Metabolites*, **2020**, 10,	5.6	3
177	Differential immune activation profile of SARS-CoV-2 and SARS-CoV infection in human lung and intestinal cells: Implications for treatment with IFN- and IFN inducer. *Journal of Infection*, **2020**, 81, e1-e10	18.9	29
176	A broad-spectrum virus- and host-targeting peptide against respiratory viruses including influenza virus and SARS-CoV-2. *Nature Communications*, **2020**, 11, 4252	17.4	53
175	Viruses harness Yxx motif to interact with host AP2M1 for replication: A vulnerable broad-spectrum antiviral target. *Science Advances*, **2020**, 6, eaba7910	14.3	18
174	Baloxavir treatment of ferrets infected with influenza A(H1N1)pdm09 virus reduces onward transmission. *PLoS Pathogens*, **2020**, 16, e1008395	7.6	15
173	Baloxavir treatment of ferrets infected with influenza A(H1N1)pdm09 virus reduces onward transmission **2020**, 16, e1008395		
172	Baloxavir treatment of ferrets infected with influenza A(H1N1)pdm09 virus reduces onward transmission **2020**, 16, e1008395		
171	Baloxavir treatment of ferrets infected with influenza A(H1N1)pdm09 virus reduces onward transmission **2020**, 16, e1008395		
170	Baloxavir treatment of ferrets infected with influenza A(H1N1)pdm09 virus reduces onward transmission **2020**, 16, e1008395		
169	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,	6.3	14
168	Characterization of the Lipidomic Profile of Human Coronavirus-Infected Cells: Implications for Lipid Metabolism Remodeling upon Coronavirus Replication. *Viruses*, **2019**, 11,	6.2	150
167	A novel partial lid for mechanical defeatherers reduced aerosol dispersion during processing of avian influenza virus infected poultry. *PLoS ONE*, **2019**, 14, e0216478	3.7	1

166	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,	6.2	11
165	Severe acute respiratory syndrome coronavirus ORF3a protein activates the NLRP3 inflammasome by promoting TRAF3-dependent ubiquitination of ASC. *FASEB Journal*, **2019**, 33, 8865-8877	0.9	296
164	Lipidomic Profiling Reveals Significant Perturbations of Intracellular Lipid Homeostasis in Enterovirus-Infected Cells. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	17
163	Generation of DelNS1 Influenza Viruses: a Strategy for Optimizing Live Attenuated Influenza Vaccines. *MBio*, **2019**, 10,	7.8	25
162	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	7	14
161	SREBP-dependent lipidomic reprogramming as a broad-spectrum antiviral target. *Nature Communications*, **2019**, 10, 120	17.4	125
160	Establishment of a lethal aged mouse model of human respiratory syncytial virus infection. *Antiviral Research*, **2019**, 161, 125-133	10.8	1
159	Identification and characterization of GLDC as host susceptibility gene to severe influenza. *EMBO Molecular Medicine*, **2019**, 11,	12	12
158	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	11.5	47
157	Rhinovirus respiratory tract infection in hospitalized adult patients is associated with T2 response irrespective of asthma. *Journal of Infection*, **2018**, 76, 465-474	18.9	7
156	Inhibitors of Influenza A Virus Polymerase. *ACS Infectious Diseases*, **2018**, 4, 218-223	5.5	13
155	Large-scale sequence analysis reveals novel human-adaptive markers in PB2 segment of seasonal influenza A viruses. *Emerging Microbes and Infections*, **2018**, 7, 47	18.9	8
154	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. *Journal of Infectious Diseases*, **2018**, 218, 365-377	7	28
153	Integrated analysis of mRNA-seq and miRNA-seq for host susceptibilities to influenza A (H7N9) infection in inbred mouse lines. *Functional and Integrative Genomics*, **2018**, 18, 411-424	3.8	3
152	Genetic analysis of H7N9 highly pathogenic avian influenza virus in Guangdong, China, 2016-2017. *Journal of Infection*, **2018**, 76, 93-96	18.9	10
151	Dual-functional peptide with defective interfering genes effectively protects mice against avian and seasonal influenza. *Nature Communications*, **2018**, 9, 2358	17.4	28
150	Differentiated human airway organoids to assess infectivity of emerging influenza virus. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 6822-6827	11.5	127
149	Middle East respiratory syndrome coronavirus and bat coronavirus HKU9 both can utilize GRP78 for attachment onto host cells. *Journal of Biological Chemistry*, **2018**, 293, 11709-11726	5.4	114

148	Human tryptophanyl-tRNA synthetase is an IFN-γ-inducible entry factor for Enterovirus. *Journal of Clinical Investigation*, **2018**, 128, 5163-5177	15.9	26
147	Assessing the risk of downwind spread of avian influenza virus via airborne particles from an urban wholesale poultry market. *Building and Environment*, **2018**, 127, 120-126	6.5	12
146	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. *Antiviral Research*, **2018**, 160, 38-47	10.8	22
145	Co-stimulation With TLR7 Agonist Imiquimod and Inactivated Influenza Virus Particles Promotes Mouse B Cell Activation, Differentiation, and Accelerated Antigen Specific Antibody Production. *Frontiers in Immunology*, **2018**, 9, 2370	8.4	14
144	Talaromyces marneffei Mp1p Is a Virulence Factor that Binds and Sequesters a Key Proinflammatory Lipid to Dampen Host Innate Immune Response. *Cell Chemical Biology*, **2017**, 24, 182-194	8.2	12
143	Improved detection of Zika virus RNA in human and animal specimens by a novel, highly sensitive and specific real-time RT-PCR assay targeting the 5Suntranslated region of Zika virus. *Tropical Medicine and International Health*, **2017**, 22, 594-603	2.3	29
142	Interplay between SIRT1 and hepatitis B virus X protein in the activation of viral transcription. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2017**, 1860, 491-501	6	30
141	Novel antiviral activity and mechanism of bromocriptine as a Zika virus NS2B-NS3 protease inhibitor. *Antiviral Research*, **2017**, 141, 29-37	10.8	81
140	Structure of the S1 subunit C-terminal domain from bat-derived coronavirus HKU5 spike protein. *Virology*, **2017**, 507, 101-109	3.6	9
139	Rhinovirus - From bench to bedside. *Journal of the Formosan Medical Association*, **2017**, 116, 496-504	3.2	43
138	Selective Activation of Type II Interferon Signaling by Zika Virus NS5 Protein. *Journal of Virology*, **2017**, 91,	6.6	66
137	A tricyclic pyrrolobenzodiazepine produced by is associated with cytotoxicity in antibiotic-associated hemorrhagic colitis. *Journal of Biological Chemistry*, **2017**, 292, 19503-19520	5.4	29
136	A peptide-based viral inactivator inhibits Zika virus infection in pregnant mice and fetuses. *Nature Communications*, **2017**, 8, 15672	17.4	83
135	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. *Antiviral Research*, **2017**, 145, 33-43	10.8	79
134	Human intestinal tract serves as an alternative infection route for Middle East respiratory syndrome coronavirus. *Science Advances*, **2017**, 3, eaao4966	14.3	248
133	Identification of a novel small-molecule compound targeting the influenza A virus polymerase PB1-PB2 interface. *Antiviral Research*, **2017**, 137, 58-66	10.8	12
132	PB2 substitutions V598T/I increase the virulence of H7N9 influenza A virus in mammals. *Virology*, **2017**, 501, 92-101	3.6	22
131	Antibody-Dependent Cell-Mediated Cytotoxicity Epitopes on the Hemagglutinin Head Region of Pandemic H1N1 Influenza Virus Play Detrimental Roles in H1N1-Infected Mice. *Frontiers in Immunology*, **2017**, 8, 317	8.4	21

130	Broad-spectrum inhibition of common respiratory RNA viruses by a pyrimidine synthesis inhibitor with involvement of the host antiviral response. *Journal of General Virology*, **2017**, 98, 946-954	4.9	33
129	Middle East Respiratory Syndrome Coronavirus Efficiently Infects Human Primary T Lymphocytes and Activates the Extrinsic and Intrinsic Apoptosis Pathways. *Journal of Infectious Diseases*, **2016**, 213, 904-14	7	285
128	Novel residues in the PA protein of avian influenza H7N7 virus affect virulence in mammalian hosts. *Virology*, **2016**, 498, 1-8	3.6	9
127	Differential cell line susceptibility to the emerging Zika virus: implications for disease pathogenesis, non-vector-borne human transmission and animal reservoirs. *Emerging Microbes and Infections*, **2016**, 5, e93	18.9	117
126	Zika Virus Infection in Dexamethasone-immunosuppressed Mice Demonstrating Disseminated Infection with Multi-organ Involvement Including Orchitis Effectively Treated by Recombinant Type I Interferons. *EBioMedicine*, **2016**, 14, 112-122	8.8	68
125	Amino acid substitutions V63I or A37S/I61T/V63I/V100A in the PA N-terminal domain increase the virulence of H7N7 influenza A virus. *Scientific Reports*, **2016**, 6, 37800	4.9	16
124	MERS coronavirus induces apoptosis in kidney and lung by upregulating Smad7 and FGF2. *Nature Microbiology*, **2016**, 1, 16004	26.6	112
123	A novel small-molecule inhibitor of influenza A virus acts by suppressing PA endonuclease activity of the viral polymerase. *Scientific Reports*, **2016**, 6, 22880	4.9	35
122	A novel small-molecule compound disrupts influenza A virus PB2 cap-binding and inhibits viral replication. *Journal of Antimicrobial Chemotherapy*, **2016**, 71, 2489-97	5.1	26
121	Human H7N9 virus induces a more pronounced pro-inflammatory cytokine but an attenuated interferon response in human bronchial epithelial cells when compared with an epidemiologically-linked chicken H7N9 virus. *Virology Journal*, **2016**, 13, 42	6.1	14
120	Peptide-Mediated Interference of PB2-eIF4G1 Interaction Inhibits Influenza A VirusesSReplication in Vitro and in Vivo. *ACS Infectious Diseases*, **2016**, 2, 471-7	5.5	5
119	Comparative genomic analysis of pre-epidemic and epidemic Zika virus strains for virological factors potentially associated with the rapidly expanding epidemic. *Emerging Microbes and Infections*, **2016**, 5, e22	18.9	136
118	Coronaviruses - drug discovery and therapeutic options. *Nature Reviews Drug Discovery*, **2016**, 15, 327-47	64.1	1060
117	Identification of a small-molecule inhibitor of influenza virus via disrupting the subunits interaction of the viral polymerase. *Antiviral Research*, **2016**, 125, 34-42	10.8	35
116	Quantification of Influenza Virus RNA in Aerosols in Patient Rooms. *PLoS ONE*, **2016**, 11, e0148669	3.7	38
115	Mycophenolic acid, an immunomodulator, has potent and broad-spectrum in vitro antiviral activity against pandemic, seasonal and avian influenza viruses affecting humans. *Journal of General Virology*, **2016**, 97, 1807-1817	4.9	29
114	Isolation of H5N6, H7N9 and H9N2 avian influenza A viruses from air sampled at live poultry markets in China, 2014 and 2015. *Eurosurveillance*, **2016**, 21,	19.8	38
113	A novel peptide with potent and broad-spectrum antiviral activities against multiple respiratory viruses. *Scientific Reports*, **2016**, 6, 22008	4.9	93

112	Zika fever and congenital Zika syndrome: An unexpected emerging arboviral disease. *Journal of Infection*, **2016**, 72, 507-24	18.9	172
111	Hemagglutinin of influenza A virus binds specifically to cell surface nucleolin and plays a role in virus internalization. *Virology*, **2016**, 494, 78-88	3.6	29
110	Novel Mutations L228I and Y232H Cause Nonnucleoside Reverse Transcriptase Inhibitor Resistance in Combinational Pattern. *AIDS Research and Human Retroviruses*, **2016**, 32, 909-17	1.6	3
109	Middle East respiratory syndrome coronavirus M protein suppresses type I interferon expression through the inhibition of TBK1-dependent phosphorylation of IRF3. *Emerging Microbes and Infections*, **2016**, 5, e39	18.9	90
108	Carcinoembryonic Antigen-Related Cell Adhesion Molecule 5 Is an Important Surface Attachment Factor That Facilitates Entry of Middle East Respiratory Syndrome Coronavirus. *Journal of Virology*, **2016**, 90, 9114-27	6.6	56
107	Transmission of H7N9 Influenza Viruses with a Polymorphism at PB2 Residue 627 in Chickens and Ferrets. *Journal of Virology*, **2015**, 89, 9939-51	6.6	17
106	Host genes and influenza pathogenesis in humans: an emerging paradigm. *Current Opinion in Virology*, **2015**, 14, 7-15	7.5	19
105	Treatment With Lopinavir/Ritonavir or Interferon-□b Improves Outcome of MERS-CoV Infection in a Nonhuman Primate Model of Common Marmoset. *Journal of Infectious Diseases*, **2015**, 212, 1904-13	7	483
104	Functional variants regulating LGALS1 (Galectin 1) expression affect human susceptibility to influenza A(H7N9). *Scientific Reports*, **2015**, 5, 8517	4.9	33
103	Identification of TMPRSS2 as a Susceptibility Gene for Severe 2009 Pandemic A(H1N1) Influenza and A(H7N9) Influenza. *Journal of Infectious Diseases*, **2015**, 212, 1214-21	7	123
102	Middle East respiratory syndrome coronavirus: another zoonotic betacoronavirus causing SARS-like disease. *Clinical Microbiology Reviews*, **2015**, 28, 465-522	34	582
101	Cross-protection of influenza A virus infection by a DNA aptamer targeting the PA endonuclease domain. *Antimicrobial Agents and Chemotherapy*, **2015**, 59, 4082-93	5.9	34
100	Cross-species transmission and emergence of novel viruses from birds. *Current Opinion in Virology*, **2015**, 10, 63-9	7.5	54
99	Suboptimal Humoral Immune Response against Influenza A(H7N9) Virus Is Related to Its Internal Genes. *Vaccine Journal*, **2015**, 22, 1235-43		13
98	Ebola virus disease: a highly fatal infectious disease reemerging in West Africa. *Microbes and Infection*, **2015**, 17, 84-97	9.3	29
97	Identification of Novel Fusion Inhibitors of Influenza A Virus by Chemical Genetics. *Journal of Virology*, **2015**, 90, 2690-701	6.6	22
96	PExFInS: An Integrative Post-GWAS Explorer for Functional Indels and SNPs. *Scientific Reports*, **2015** , 5, 17302	4.9	5
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