Cheng-Feng Qin

List of Publications by Year in Descending Order

285 papers	14,316 citations	53 h-index	112 g-index
320 ext. papers	18,399 ext. citations	11.4 avg, IF	6.43 L-index

#	Paper	IF	Citations
285	Safety and immunogenicity of the SARS-CoV-2 ARCoV mRNA vaccine in Chinese adults: a randomised, double-blind, placebo-controlled, phase 1 trial.. *Lancet Microbe, The*, **2022**,	22.2	3
284	Memory B cell repertoire from triple vaccinees against diverse SARS-CoV-2 variants.. *Nature*, **2022**,	50.4	26
283	An integrated rapid nucleic acid detection assay based on recombinant polymerase amplification for SARS-CoV-2.. *Virologica Sinica*, **2022**,	6.4	0
282	Oncolytic Zika virus promotes intratumoral T cell infiltration and improves immunotherapy efficacy in glioblastoma.. *Molecular Therapy - Oncolytics*, **2022**, 24, 522-534	6.4	3
281	GP73 is a glucogenic hormone contributing to SARS-CoV-2-induced hyperglycemia.. *Nature Metabolism*, **2022**,	14.6	1
280	Rapid development of an updated mRNA vaccine against the SARS-CoV-2 Omicron variant.. *Cell Research*, **2022**,	24.7	7
279	Rational Development of a Polysaccharide-Protein-Conjugated Nanoparticle Vaccine Against SARS-CoV-2 Variants and Streptococcus pneumoniae.. *Advanced Materials*, **2022**, e2200443	24	2
278	A highly immunogenic live-attenuated vaccine candidate prevents SARS-CoV-2 infection and transmission in hamsters.. *Innovation(China)*, **2022**, 100221	17.8	0
277	The SARS-CoV-2 B.1.351 Variant Can Transmit in Rats But Not in Mice.. *Frontiers in Immunology*, **2022**, 13, 869809	8.4	1
276	Treatment of SARS-CoV-2-induced pneumonia with NAD and NMN in two mouse models.. *Cell Discovery*, **2022**, 8, 38	22.3	0
275	Antibody engineering improves neutralization activity against K417 spike mutant SARS-CoV-2 variants.. *Cell and Bioscience*, **2022**, 12, 63	9.8	0
274	Rational Development of a Polysaccharide-Protein-Conjugated Nanoparticle Vaccine Against SARS-CoV-2 Variants and Streptococcus pneumoniae (Adv. Mater. 21/2022). *Advanced Materials*, **2022**, 34, 2270160	24	
273	Identification of oligosaccharyltransferase as a host target for inhibition of SARS-CoV-2 and its variants. *Cell Discovery*, **2021**, 7, 116	22.3	1
272	Enhanced protective immunity against SARS-CoV-2 elicited by a VSV vector expressing a chimeric spike protein. *Signal Transduction and Targeted Therapy*, **2021**, 6, 389	21	6
271	Nanometer-resolution in situ structure of the SARS-CoV-2 postfusion spike protein. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	7
270	Double lock of a potent human therapeutic monoclonal antibody against SARS-CoV-2. *National Science Review*, **2021**, 8, nwaa297	10.8	14
269	Longitudinal dynamics of antibody responses in recovered COVID-19 patients. *Signal Transduction and Targeted Therapy*, **2021**, 6, 137	21	8

268	A proof of concept for neutralizing antibody-guided vaccine design against SARS-CoV-2. *National Science Review*, **2021**, 8, nwab053	10.8	13
267	Proteome-wide epitope mapping identifies a resource of antibodies for SARS-CoV-2 detection and neutralization. *Signal Transduction and Targeted Therapy*, **2021**, 6, 166	21	5
266	Convergent evolution of SARS-CoV-2 in human and animals. *Protein and Cell*, **2021**, 12, 832-835	7.2	8
265	Electrostatic Interaction Between NS1 and Negatively Charged Lipids Contributes to Flavivirus Replication Organelles Formation. *Frontiers in Microbiology*, **2021**, 12, 641059	5.7	3
264	Humoral immune response to circulating SARS-CoV-2 variants elicited by inactivated and RBD-subunit vaccines. *Cell Research*, **2021**, 31, 732-741	24.7	47
263	Methods to Identify Immunogenic Peptides in SARS-CoV-2 Spike and Protective Monoclonal Antibodies in COVID-19 Patients. *Small Methods*, **2021**, 5, 2100058	12.8	2
262	Recapitulating Zika Virus Infection in Vagina of Tree Shrew. *Frontiers in Cellular and Infection Microbiology*, **2021**, 11, 687338	5.9	0
261	Construction and characterization of UAA-controlled recombinant Zika virus by genetic code expansion. *Science China Life Sciences*, **2021**, 64, 171-173	8.5	2
260	Recovery and Genetic Characterization of a West Nile Virus Isolate from China. *Virologica Sinica*, **2021**, 36, 113-121	6.4	
259	Rational development of a human antibody cocktail that deploys multiple functions to confer Pan-SARS-CoVs protection. *Cell Research*, **2021**, 31, 25-36	24.7	53
258	Structure-based development of human antibody cocktails against SARS-CoV-2. *Cell Research*, **2021** , 31, 101-103	24.7	45
257	A single-dose live attenuated chimeric vaccine candidate against Zika virus. *Npj Vaccines*, **2021**, 6, 20	9.5	3
256	Visualization of yellow fever virus infection in mice using a bioluminescent reporter virus. *Emerging Microbes and Infections*, **2021**, 10, 1739-1750	18.9	0
255	The mA methylome of SARS-CoV-2 in host cells. *Cell Research*, **2021**, 31, 404-414	24.7	28
254	Impaired Cellular Immunity to SARS-CoV-2 in Severe COVID-19 Patients. *Frontiers in Immunology*, **2021**, 12, 603563	8.4	9
253	SARS-CoV-2 infection in the mouse olfactory system. *Cell Discovery*, **2021**, 7, 49	22.3	11
252	hACE2 Fc-neutralization antibody cocktail provides synergistic protection against SARS-CoV-2 and its spike RBD variants. *Cell Discovery*, **2021**, 7, 54	22.3	2
251	Impact of Prior Infection on Severe Acute Respiratory Syndrome Coronavirus 2 Transmission in Syrian Hamsters. *Frontiers in Microbiology*, **2021**, 12, 722178	5.7	3

250	Expression pattern and function of SARS-CoV-2 Receptor ACE2. *Biosafety and Health*, **2021**, 3, 312-312	4.7	1
249	Generation and Characterization of a Nanobody Against SARS-CoV. *Virologica Sinica*, **2021**, 1	6.4	2
248	The Infection and Pathogenicity of SARS-CoV-2 Variant B.1.351 in hACE2 Mice. *Virologica Sinica*, **2021**, 36, 1232-1235	6.4	1
247	Characterization and structural basis of a lethal mouse-adapted SARS-CoV-2. *Nature Communications*, **2021**, 12, 5654	17.4	32
246	Transient acquisition of cross-species infectivity during the evolution of SARS-CoV-2. *National Science Review*, **2021**, 8, nwab167	10.8	8
245	Long-term stability and protection efficacy of the RBD-targeting COVID-19 mRNA vaccine in nonhuman primates.. *Signal Transduction and Targeted Therapy*, **2021**, 6, 438	21	9
244	Type-IInterferon-Inducible SERTAD3 Inhibits Influenza A Virus Replication by Blocking the Assembly of Viral RNA Polymerase Complex. *Cell Reports*, **2020**, 33, 108342	10.6	5
243	Detection of SARS-CoV-2-Specific Humoral and Cellular Immunity in COVID-19 Convalescent Individuals. *Immunity*, **2020**, 52, 971-977.e3	32.3	707
242	Potent Neutralizing Antibodies against SARS-CoV-2 Identified by High-Throughput Single-Cell Sequencing of Convalescent PatientsSB Cells. *Cell*, **2020**, 182, 73-84.e16	56.2	806
241	Development of an inactivated vaccine candidate for SARS-CoV-2. *Science*, **2020**, 369, 77-81	33.3	823
240	Structure of M from SARS-CoV-2 and discovery of its inhibitors. *Nature*, **2020**, 582, 289-293	50.4	1836
239	A Mouse Model of SARS-CoV-2 Infection and Pathogenesis. *Cell Host and Microbe*, **2020**, 28, 124-133.e4	23.4	348
238	Persistent Viral Presence Determines the Clinical Course of the Disease in COVID-19. *Journal of Allergy and Clinical Immunology: in Practice*, **2020**, 8, 2585-2591.e1	5.4	28
237	Development of an automatic integrated gene detection system for novel severe acute respiratory syndrome-related coronavirus (SARS-CoV2). *Emerging Microbes and Infections*, **2020**, 9, 1489-1496	18.9	15
236	Axl Deficiency Promotes the Neuroinvasion of Japanese Encephalitis Virus by Enhancing IL-1β Production from Pyroptotic Macrophages. *Journal of Virology*, **2020**, 94,	6.6	11
235	Susceptibility of Armigeres subalbatus Coquillett (Diptera: Culicidae) to Zika virus through oral and urine infection. *PLoS Neglected Tropical Diseases*, **2020**, 14, e0008450	4.8	1
234	Flavivirus induces and antagonizes antiviral RNA interference in both mammals and mosquitoes. *Science Advances*, **2020**, 6, eaax7989	14.3	39
233	Vector Competence and Vertical Transmission of Zika Virus in (Diptera: Culicidae). *Vector-Borne and Zoonotic Diseases*, **2020**, 20, 374-379	2.4	3

232	Potential Vector Competence of Mosquitoes to Transmit Baiyangdian Virus, a New Tembusu-Related Virus in China. *Vector-Borne and Zoonotic Diseases*, **2020**, 20, 541-546	2.4	3
231	Different Gene Networks Are Disturbed by Zika Virus Infection in A Mouse Microcephaly Model. *Genomics, Proteomics and Bioinformatics*, **2020**, 18, 737-748	6.5	3
230	Zika NS1-induced ER remodeling is essential for viral replication. *Journal of Cell Biology*, **2020**, 219,	7.3	16
229	The pre-existing cellular immunity to Japanese encephalitis virus heterotypically protects mice from Zika virus infection. *Science Bulletin*, **2020**, 65, 402-409	10.6	5
228	Zika NS2B is a crucial factor recruiting NS3 to the ER and activating its protease activity. *Virus Research*, **2020**, 275, 197793	6.4	10
227	Short Direct Repeats in the 3SUntranslated Region Are Involved in Subgenomic Flaviviral RNA Production. *Journal of Virology*, **2020**, 94,	6.6	9
226	Machine Learning Methods for Predicting Human-Adaptive Influenza A Viruses Based on Viral Nucleotide Compositions. *Molecular Biology and Evolution*, **2020**, 37, 1224-1236	8.3	19
225	Structure and function of cis-acting RNA elements of flavivirus. *Reviews in Medical Virology*, **2020**, 30, e2092	11.7	14
224	Japanese Encephalitis Virus Vaccination Elicits Cross-Reactive HLA-Class I-Restricted CD8 T Cell Response Against Zika Virus Infection. *Frontiers in Immunology*, **2020**, 11, 577546	8.4	3
223	Establishment of replication-competent vesicular stomatitis virus-based recombinant viruses suitable for SARS-CoV-2 entry and neutralization assays. *Emerging Microbes and Infections*, **2020**, 9, 2269-2277	18.9	18
222	HDL-scavenger receptor B type 1 facilitates SARS-CoV-2 entry. *Nature Metabolism*, **2020**, 2, 1391-1400	14.6	95
221	Zika Virus Infection Leads to Variable Defects in Multiple Neurological Functions and Behaviors in Mice and Children. *Advanced Science*, **2020**, 7, 1901996	13.6	3
220	A Thermostable mRNA Vaccine against COVID-19. *Cell*, **2020**, 182, 1271-1283.e16	56.2	255
219	Structural basis for neutralization of SARS-CoV-2 and SARS-CoV by a potent therapeutic antibody. *Science*, **2020**, 369, 1505-1509	33.3	232
218	Adaptation of SARS-CoV-2 in BALB/c mice for testing vaccine efficacy. *Science*, **2020**, 369, 1603-1607	33.3	434
217	Rational Design of a Replication-Competent and Inheritable Magnetic Viruses for Targeting Biomedical Applications. *Small*, **2020**, 16, e2002435	11	3
216	25-Hydroxycholesterol is a potent SARS-CoV-2 inhibitor. *Cell Research*, **2020**, 30, 1043-1045	24.7	49
215	Zika virus degrades the ⊟B fatty acid transporter Mfsd2a in brain microvascular endothelial cells and impairs lipid homeostasis. *Science Advances*, **2019**, 5, eaax7142	14.3	23

214	Azithromycin Protects against Zika virus Infection by Upregulating virus-induced Type I and III Interferon Responses. *Antimicrobial Agents and Chemotherapy*, **2019**,	5.9	65
213	Update on the Animal Models and Underlying Mechanisms for ZIKV-Induced Microcephaly. *Annual Review of Virology*, **2019**, 6, 459-479	14.6	9
212	Aedes aegypti HPX8C modulates immune responses against viral infection. *PLoS Neglected Tropical Diseases*, **2019**, 13, e0007287	4.8	9
211	Aedes mosquitoes acquire and transmit Zika virus by breeding in contaminated aquatic environments. *Nature Communications*, **2019**, 10, 1324	17.4	21
210	Infectivity of Zika virus on primary cells support tree shrew as animal model. *Emerging Microbes and Infections*, **2019**, 8, 232-241	18.9	24
209	Zika Virus Infection in Tupaia belangeri Causes Dermatological Manifestations and Confers Protection against Secondary Infection. *Journal of Virology*, **2019**, 93,	6.6	16
208	Zika virus NS3 is a canonical RNA helicase stimulated by NS5 RNA polymerase. *Nucleic Acids Research*, **2019**, 47, 8693-8707	20.1	24
207	A broadly neutralizing germline-like human monoclonal antibody against dengue virus envelope domain III. *PLoS Pathogens*, **2019**, 15, e1007836	7.6	19
206	Visualization of chikungunya virus infection and. *Emerging Microbes and Infections*, **2019**, 8, 1574-1583	18.9	8
205	Long non-coding subgenomic flavivirus RNAs have extended 3D structures and are flexible in solution. *EMBO Reports*, **2019**, 20, e47016	6.5	18
204	Zika virus infection induces RNAi-mediated antiviral immunity in human neural progenitors and brain organoids. *Cell Research*, **2019**, 29, 265-273	24.7	72
203	The evolution of Zika virus from Asia to the Americas. *Nature Reviews Microbiology*, **2019**, 17, 131-139	22.2	56
202	Human MxB Inhibits the Replication of Hepatitis C Virus. *Journal of Virology*, **2019**, 93,	6.6	23
201	Upregulation of MicroRNA miR-9 Is Associated with Microcephaly and Zika Virus Infection in Mice. *Molecular Neurobiology*, **2019**, 56, 4072-4085	6.2	13
200	Salivary factor LTRIN from Aedes aegypti facilitates the transmission of Zika virus by interfering with the lymphotoxin- receptor. *Nature Immunology*, **2018**, 19, 342-353	19.1	44
199	Development of a chimeric Zika vaccine using a licensed live-attenuated flavivirus vaccine as backbone. *Nature Communications*, **2018**, 9, 673	17.4	60
198	Structural basis for neutralization of Japanese encephalitis virus by two potent therapeutic antibodies. *Nature Microbiology*, **2018**, 3, 287-294	26.6	28
197	A single residue in the B helix of the E protein is critical for Zika virus thermostability. *Emerging Microbes and Infections*, **2018**, 7, 5	18.9	4

196	Erythrosin B is a potent and broad-spectrum orthosteric inhibitor of the flavivirus NS2B-NS3 protease. *Antiviral Research*, **2018**, 150, 217-225	10.8	43
195	Old Master Zhu: in memory of virologist Guan-Fu Zhu. *Protein and Cell*, **2018**, 9, 749-751	7.2	
194	The importation of the phylogenetic-transition state of Zika virus to China in 2014. *Journal of Infection*, **2018**, 76, 106-109	18.9	7
193	Disruption of glial cell development by Zika virus contributes to severe microcephalic newborn mice. *Cell Discovery*, **2018**, 4, 43	22.3	24
192	suppresses Zika virus infection through PARP-dependent degradation of NS1 and NS3 viral proteins. *Science Signaling*, **2018**, 11,	8.8	58
191	Characterization of a candidate tetravalent vaccine based on 2SO-methyltransferase mutants. *PLoS ONE*, **2018**, 13, e0189262	3.7	5
190	Differential antiviral immunity to Japanese encephalitis virus in developing cortical organoids. *Cell Death and Disease*, **2018**, 9, 719	9.8	23
189	Integrative Analysis of Zika Virus Genome RNA Structure Reveals Critical Determinants of Viral Infectivity. *Cell Host and Microbe*, **2018**, 24, 875-886.e5	23.4	52
188	Zika virus shedding in the stool and infection through the anorectal mucosa in mice. *Emerging Microbes and Infections*, **2018**, 7, 169	18.9	11
187	Treatment of Human Glioblastoma with a Live Attenuated Zika Virus Vaccine Candidate. *MBio*, **2018**, 9,	7.8	51
186	COMRADES determines in vivo RNA structures and interactions. *Nature Methods*, **2018**, 15, 785-788	21.6	80
185	Generation and characterization of West Nile pseudo-infectious reporter virus for antiviral screening. *Antiviral Research*, **2017**, 141, 38-47	10.8	9
184	Near-atomic structure of Japanese encephalitis virus reveals critical determinants of virulence and stability. *Nature Communications*, **2017**, 8, 14	17.4	72
183	Vector competence and transovarial transmission of two Aedes aegypti strains to Zika virus. *Emerging Microbes and Infections*, **2017**, 6, e23	18.9	34
182	Evolutionary enhancement of Zika virus infectivity in Aedes aegypti mosquitoes. *Nature*, **2017**, 545, 482-486	38.1	233
181	Human Virus-Derived Small RNAs Can Confer Antiviral Immunity in Mammals. *Immunity*, **2017**, 46, 992-1004.e5	32.3	83
180	25-Hydroxycholesterol Protects Host against Zika Virus Infection and Its Associated Microcephaly in a Mouse Model. *Immunity*, **2017**, 46, 446-456	32.3	197
179	Transfer of convalescent serum to pregnant mice prevents Zika virus infection and microcephaly in offspring. *Cell Research*, **2017**, 27, 158-160	24.7	36

178	A single mutation in the prM protein of Zika virus contributes to fetal microcephaly. *Science*, **2017**, 358, 933-936	33.3	292
177	Phylogenetic and genetic characterization of a 2017 clinical isolate of H7N9 virus in Guangzhou, China during the fifth epidemic wave. *Science China Life Sciences*, **2017**, 60, 1331-1339	8.5	7
176	Chloroquine, a FDA-approved Drug, Prevents Zika Virus Infection and its Associated Congenital Microcephaly in Mice. *EBioMedicine*, **2017**, 24, 189-194	8.8	114
175	Biomimetic inorganic camouflage circumvents antibody-dependent enhancement of infection. *Chemical Science*, **2017**, 8, 8240-8246	9.4	13
174	Visualization of a neurotropic flavivirus infection in mouse reveals unique viscerotropism controlled by host type I interferon signaling. *Theranostics*, **2017**, 7, 912-925	12.1	21
173	Zika-Virus-Encoded NS2A Disrupts Mammalian Cortical Neurogenesis by Degrading Adherens Junction Proteins. *Cell Stem Cell*, **2017**, 21, 349-358.e6	18	111
172	Immunization with truncated envelope protein of Zika virus induces protective immune response in mice. *Scientific Reports*, **2017**, 7, 10047	4.9	21
171	A peptide-based viral inactivator inhibits Zika virus infection in pregnant mice and fetuses. *Nature Communications*, **2017**, 8, 15672	17.4	83
170	Zika virus directly infects peripheral neurons and induces cell death. *Nature Neuroscience*, **2017**, 20, 1209-1212	25.1	49
169	Characterization of -Acting RNA Elements of Zika Virus by Using a Self-Splicing Ribozyme-Dependent Infectious Clone. *Journal of Virology*, **2017**, 91,	6.6	29
168	Intranasal infection and contact transmission of Zika virus in guinea pigs. *Nature Communications*, **2017**, 8, 1648	17.4	29
167	American Strain of Zika Virus Causes More Severe Microcephaly Than an Old Asian Strain in Neonatal Mice. *EBioMedicine*, **2017**, 25, 95-105	8.8	33
166	Existing drugs as broad-spectrum and potent inhibitors for Zika virus by targeting NS2B-NS3 interaction. *Cell Research*, **2017**, 27, 1046-1064	24.7	110
165	Delineating antibody recognition against Zika virus during natural infection. *JCI Insight*, **2017**, 2,	9.9	41
164	Recovery of the Zika virus through an in vitro ligation approach. *Journal of General Virology*, **2017**, 98, 1739-1743	4.9	10
163	Biomineralized vaccine nanohybrid for needle-free intranasal immunization. *Biomaterials*, **2016**, 106, 286-94	15.6	23
162	Characterization of the contemporary Zika virus in immunocompetent mice. *Human Vaccines and Immunotherapeutics*, **2016**, 12, 3107-3109	4.4	13
161	Zika Virus Causes Testis Damage and Leads to Male Infertility in Mice. *Cell*, **2016**, 167, 1511-1524.e10	56.2	251

160	Zika Virus Disrupts Neural Progenitor Development and Leads to Microcephaly in Mice. *Cell Stem Cell*, **2016**, 19, 672	18	133
159	Adenosine Analog NITD008 Is a Potent Inhibitor of Zika Virus. *Open Forum Infectious Diseases*, **2016**, 3, ofw175	1	100
158	Dengue Specific Immunoglobulin A Antibody is Present in Urine and Associated with Disease Severity. *Scientific Reports*, **2016**, 6, 27298	4.9	10
157	Vector competence of Aedes albopictus and Aedes aegypti (Diptera: Culicidae) for the DEN2-FJ10 and DEN2-FJ11 strains of the dengue 2 virus in Fujian, China. *Acta Tropica*, **2016**, 161, 86-90	3.2	6
156	Vaccine Engineering with Dual-Functional Mineral Shell: A Promising Strategy to Overcome Preexisting Immunity. *Advanced Materials*, **2016**, 28, 694-700	24	33
155	Isolation, identification and genomic characterization of the Asian lineage Zika virus imported to China. *Science China Life Sciences*, **2016**, 59, 428-30	8.5	84
154	The kinase CK1e controls the antiviral immune response by phosphorylating the signaling adaptor TRAF3. *Nature Immunology*, **2016**, 17, 397-405	19.1	23
153	A bispecific antibody effectively neutralizes all four serotypes of dengue virus by simultaneous blocking virus attachment and fusion. *MAbs*, **2016**, 8, 574-84	6.6	18
152	Robust vaccine formulation produced by assembling a hybrid coating of polyethyleneimine-silica. *Chemical Science*, **2016**, 7, 1753-1759	9.4	21
151	Intracellular delivery of biomineralized monoclonal antibodies to combat viral infection. *Chemical Communications*, **2016**, 52, 1879-82	5.8	9
150	Generation of a recombinant West Nile virus stably expressing the Gaussia luciferase for neutralization assay. *Virus Research*, **2016**, 211, 17-24	6.4	17
149	In vitro and in vivo characterization of chimeric duck Tembusu virus based on Japanese encephalitis live vaccine strain SA14-14-2. *Journal of General Virology*, **2016**, 97, 1551-1556	4.9	12
148	Viral RNA switch mediates the dynamic control of flavivirus replicase recruitment by genome cyclization. *ELife*, **2016**, 5,	8.9	47
147	Development of Neutralization Assay Using an eGFP Chikungunya Virus. *Viruses*, **2016**, 8,	6.2	14
146	Newcastle disease virus-vectored West Nile fever vaccine is immunogenic in mammals and poultry. *Virology Journal*, **2016**, 13, 109	6.1	11
145	Epidemiological and Virological Characterizations of the 2014 Dengue Outbreak in Guangzhou, China. *PLoS ONE*, **2016**, 11, e0156548	3.7	21
144	High thermostability of the newly emerged influenza A (H7N9) virus. *Journal of Infection*, **2016**, 72, 393-4	18.9	0
143	Generation and Characterization of a Chimeric Tick-Borne Encephalitis Virus Attenuated Strain ChinTBEV. *Methods in Molecular Biology*, **2016**, 1403, 285-93	1.4	1

142	Alumina-encapsulated vaccine formulation with improved thermostability and immunogenicity. *Chemical Communications*, **2016**, 52, 6447-50	5.8	14
141	The Emerging Duck Flavivirus Is Not Pathogenic for Primates and Is Highly Sensitive to Mammalian Interferon Antiviral Signaling. *Journal of Virology*, **2016**, 90, 6538-6548	6.6	30
140	Structures of the Zika Virus Envelope Protein and Its Complex with a Flavivirus Broadly Protective Antibody. *Cell Host and Microbe*, **2016**, 19, 696-704	23.4	321
139	Homologous recombination of Zika viruses in the Americas. *Journal of Infection*, **2016**, 73, 87-8	18.9	5
138	Excretion of infectious Zika virus in urine. *Lancet Infectious Diseases, The*, **2016**, 16, 641-642	25.5	70
137	Vertical transmission of Zika virus targeting the radial glial cells affects cortex development of offspring mice. *Cell Research*, **2016**, 26, 645-54	24.7	212
136	Genomic characterization and phylogenetic analysis of Zika virus circulating in the Americas. *Infection, Genetics and Evolution*, **2016**, 43, 43-9	4.5	81
135	Zika Virus Disrupts Neural Progenitor Development and Leads to Microcephaly in Mice. *Cell Stem Cell*, **2016**, 19, 120-6	18	408
134	Culex pipiens quinquefasciatus: a potential vector to transmit Zika virus. *Emerging Microbes and Infections*, **2016**, 5, e102	18.9	101
133	Characterization of a 2016 Clinical Isolate of Zika Virus in Non-human Primates. *EBioMedicine*, **2016**, 12, 170-177	8.8	102
132	Novel recombinant chimeric virus-like particle is immunogenic and protective against both enterovirus 71 and coxsackievirus A16 in mice. *Scientific Reports*, **2015**, 5, 7878	4.9	34
131	A potent broad-spectrum protective human monoclonal antibody crosslinking two haemagglutinin monomers of influenza A virus. *Nature Communications*, **2015**, 6, 7708	17.4	101
130	KDEL Receptors Assist Dengue Virus Exit from the Endoplasmic Reticulum. *Cell Reports*, **2015**, 10, 1496-1507	8.36	24
129	TLR3 signaling in macrophages is indispensable for the protective immunity of invariant natural killer T cells against enterovirus 71 infection. *PLoS Pathogens*, **2015**, 11, e1004613	7.6	22
128	Genotype-specific neutralization determinants in envelope protein: implications for the improvement of Japanese encephalitis vaccine. *Journal of General Virology*, **2015**, 96, 2165-2175	4.9	5
127	Determinants of Dengue Virus NS4A Protein Oligomerization. *Journal of Virology*, **2015**, 89, 6171-83	6.6	35
126	Type I Interferons Triggered through the Toll-Like Receptor 3-TRIF Pathway Control Coxsackievirus A16 Infection in Young Mice. *Journal of Virology*, **2015**, 89, 10860-7	6.6	18
125	Development and characterization of a clinical strain of Coxsackievirus A16 and an eGFP infectious clone. *Virologica Sinica*, **2015**, 30, 269-76	6.4	5

124	Virus capture and destruction by label-free graphene oxide for detection and disinfection applications. *Small*, **2015**, 11, 1171-6	11	91
123	Mouse lung-adapted mutation of E190G in hemagglutinin from H5N1 influenza virus contributes to attenuation in mice. *Journal of Medical Virology*, **2015**, 87, 1816-22	19.7	3
122	Human Enterovirus Nonstructural Protein 2CATPase Functions as Both an RNA Helicase and ATP-Independent RNA Chaperone. *PLoS Pathogens*, **2015**, 11, e1005067	7.6	51
121	H5N1 influenza A virus with K193E and G225E double mutations in haemagglutinin is attenuated and immunogenic in mice. *Journal of General Virology*, **2015**, 96, 2522-2530	4.9	2
120	Generation and characterization of a protective mouse monoclonal antibody against human enterovirus 71. *Applied Microbiology and Biotechnology*, **2015**, 99, 7663-71	5.7	10
119	Crystal structures of enterovirus 71 (EV71) recombinant virus particles provide insights into vaccine design. *Journal of Biological Chemistry*, **2015**, 290, 3198-208	5.4	16
118	Hydrated silica exterior produced by biomimetic silicification confers viral vaccine heat-resistance. *ACS Nano*, **2015**, 9, 799-808	16.7	43
117	Characterization of a Novel Dengue Serotype 4 Virus-Specific Neutralizing Epitope on the Envelope Protein Domain III. *PLoS ONE*, **2015**, 10, e0139741	3.7	7
116	Characterization of live-attenuated Japanese encephalitis vaccine virus SA14-14-2. *Vaccine*, **2014**, 32, 2675-81	4.1	24
115	A novel reporter system for neutralizing and enhancing antibody assay against dengue virus. *BMC Microbiology*, **2014**, 14, 44	4.5	11
114	Human enterovirus 71 uncoating captured at atomic resolution. *Journal of Virology*, **2014**, 88, 3114-26	6.6	43
113	Recombinant chimeric Japanese encephalitis virus/tick-borne encephalitis virus is attenuated and protective in mice. *Vaccine*, **2014**, 32, 949-56	4.1	20
112	Recovery of a chemically synthesized Japanese encephalitis virus reveals two critical adaptive mutations in NS2B and NS4A. *Journal of General Virology*, **2014**, 95, 806-815	4.9	35
111	Severe dengue outbreak in Yunnan, China, 2013. *International Journal of Infectious Diseases*, **2014**, 27, 4-6	10.5	47
110	Recombinant tandem multi-linear neutralizing epitopes of human enterovirus 71 elicited protective immunity in mice. *Virology Journal*, **2014**, 11, 79	6.1	19
109	Flavivirus RNA methylation. *Journal of General Virology*, **2014**, 95, 763-778	4.9	83
108	The RNA binding of protein A from Wuhan nodavirus is mediated by mitochondrial membrane lipids. *Virology*, **2014**, 462-463, 1-13	3.6	2
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12	Structure of Mpro from COVID-19 virus and discovery of its inhibitors		65
11	Characterization of anti-viral immunity in recovered individuals infected by SARS-CoV-2		17
10	Rapid development of an inactivated vaccine for SARS-CoV-2		26
9	Rapid adaptation of SARS-CoV-2 in BALB/c mice: Novel mouse model for vaccine efficacy		20
8	An artificial intelligence system reveals liquiritin inhibits SARS-CoV-2 by mimicking type I interferon		9
7	Structural basis for neutralization of SARS-CoV-2 and SARS-CoV by a potent therapeutic antibody		2
6	Impaired cellular immunity to SARS-CoV-2 in severe COVID-19 patients		7
5	A proof of concept for neutralizing antibody-guided vaccine design against SARS-CoV-2		7
4	SARS-CoV-2 infection causes transient olfactory dysfunction in mice		7
3	Characterization and structural basis of a lethal mouse-adapted SARS-CoV-2		16
2	Double Lock of a Potent Human Monoclonal Antibody against SARS-CoV-2		3
1	A subset of Memory B-derived antibody repertoire from 3-dose vaccinees is ultrapotent against diverse and highly transmissible SARS-CoV-2 variants, including Omicron		1