Gui-Qing Peng

List of Publications by Citations

54 papers	977 citations	18 h-index	30 g-index
55 ext. papers	1,345 ext. citations	6.3 avg, IF	4.32 L-index

#	Paper	IF	Citations
54	Receptor usage and cell entry of porcine epidemic diarrhea coronavirus. *Journal of Virology*, **2015**, 89, 6121-5	6.6	129
53	Porcine Epidemic Diarrhea Virus 3C-Like Protease Regulates Its Interferon Antagonism by Cleaving NEMO. *Journal of Virology*, **2016**, 90, 2090-101	6.6	97
52	Porcine Deltacoronavirus nsp5 Antagonizes Type I Interferon Signaling by Cleaving STAT2. *Journal of Virology*, **2017**, 91,	6.6	76
51	Identification and Comparison of Receptor Binding Characteristics of the Spike Protein of Two Porcine Epidemic Diarrhea Virus Strains. *Viruses*, **2016**, 8, 55	6.2	56
50	Porcine Deltacoronavirus Accessory Protein NS6 Antagonizes Interferon Beta Production by Interfering with the Binding of RIG-I/MDA5 to Double-Stranded RNA. *Journal of Virology*, **2018**, 92,	6.6	47
49	Dimerization of Coronavirus nsp9 with Diverse Modes Enhances Its Nucleic Acid Binding Affinity. *Journal of Virology*, **2018**, 92,	6.6	42
48	Contribution of porcine aminopeptidase N to porcine deltacoronavirus infection. *Emerging Microbes and Infections*, **2018**, 7, 65	18.9	38
47	A conserved region of nonstructural protein 1 from alphacoronaviruses inhibits host gene expression and is critical for viral virulence. *Journal of Biological Chemistry*, **2019**, 294, 13606-13618	5.4	36
46	Identification of three antiviral inhibitors against Japanese encephalitis virus from library of pharmacologically active compounds 1280. *PLoS ONE*, **2013**, 8, e78425	3.7	34
45	Structural Basis for Inhibiting Porcine Epidemic Diarrhea Virus Replication with the 3C-Like Protease Inhibitor GC376. *Viruses*, **2020**, 12,	6.2	30
44	Porcine deltacoronavirus nsp15 antagonizes interferon-□production independently of its endoribonuclease activity. *Molecular Immunology*, **2019**, 114, 100-107	4.3	29
43	Structural basis for the dimerization and substrate recognition specificity of porcine epidemic diarrhea virus 3C-like protease. *Virology*, **2016**, 494, 225-35	3.6	27
42	A Dimerization-Dependent Mechanism Drives the Endoribonuclease Function of Porcine Reproductive and Respiratory Syndrome Virus nsp11. *Journal of Virology*, **2016**, 90, 4579-4592	6.6	24
41	Structural Basis for the Inhibition of Host Gene Expression by Porcine Epidemic Diarrhea Virus nsp1. *Journal of Virology*, **2018**, 92,	6.6	22
40	Rabies virus phosphoprotein interacts with ribosomal protein L9 and affects rabies virus replication. *Virology*, **2016**, 488, 216-24	3.6	21
39	Porcine deltacoronavirus nucleocapsid protein antagonizes IFN-□production by impairing dsRNA and PACT binding to RIG-I. *Virus Genes*, **2019**, 55, 520-531	2.3	19
38	The preclinical inhibitor GS441524 in combination with GC376 efficaciously inhibited the proliferation of SARS-CoV-2 in the mouse respiratory tract. *Emerging Microbes and Infections*, **2021**, 10, 481-492	18.9	19

37	Application of CRISPR-Cas12a Enhanced Fluorescence Assay Coupled with Nucleic Acid Amplification for the Sensitive Detection of African Swine Fever Virus. *ACS Synthetic Biology*, **2020**, 9, 2339-2350	5.7	18
36	Susceptibility of porcine IPI-2I intestinal epithelial cells to infection with swine enteric coronaviruses. *Veterinary Microbiology*, **2019**, 233, 21-27	3.3	15
35	Comparison of lentiviruses pseudotyped with S proteins from coronaviruses and cell tropisms of porcine coronaviruses. *Virologica Sinica*, **2016**, 31, 49-56	6.4	15
34	Receptor tyrosine kinase inhibitors block proliferation of TGEV mainly through p38 mitogen-activated protein kinase pathways. *Antiviral Research*, **2020**, 173, 104651	10.8	15
33	Structure-based discovery of two antiviral inhibitors targeting the NS3 helicase of Japanese encephalitis virus. *Scientific Reports*, **2016**, 6, 34550	4.9	13
32	Identification of two antiviral inhibitors targeting 3C-like serine/3C-like protease of porcine reproductive and respiratory syndrome virus and porcine epidemic diarrhea virus. *Veterinary Microbiology*, **2018**, 213, 114-122	3.3	13
31	Porcine Deltacoronavirus Accessory Protein NS7a Antagonizes IFN-Production by Competing With TRAF3 and IRF3 for Binding to IKK*Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 257	5.9	11
30	Rapid manipulation of the porcine epidemic diarrhea virus genome by CRISPR/Cas9 technology. *Journal of Virological Methods*, **2020**, 276, 113772	2.6	11
29	Two critical N-terminal epitopes of the nucleocapsid protein contribute to the cross-reactivity between porcine epidemic diarrhea virus and porcine transmissible gastroenteritis virus. *Journal of General Virology*, **2019**, 100, 206-216	4.9	10
28	The N-Terminal Domain of Spike Protein Is Not the Enteric Tropism Determinant for Transmissible Gastroenteritis Virus in Piglets. *Viruses*, **2019**, 11,	6.2	9
27	Lysine 164 is critical for SARS-CoV-2 Nsp1 inhibition of host gene expression. *Journal of General Virology*, **2021**, 102,	4.9	9
26	Insight into the evolution of nidovirus endoribonuclease based on the finding that nsp15 from porcine functions as a dimer. *Journal of Biological Chemistry*, **2018**, 293, 12054-12067	5.4	8
25	Mutational analysis of the functional sites in porcine reproductive and respiratory syndrome virus non-structural protein 10. *Journal of General Virology*, **2015**, 96, 547-552	4.9	7
24	Crystal structural basis for Rv0315, an immunostimulatory antigen and inactive beta-1,3-glucanase of Mycobacterium tuberculosis. *Scientific Reports*, **2015**, 5, 15073	4.9	7
23	Structural and Biological Basis of Alphacoronavirus nsp1 Associated with Host Proliferation and Immune Evasion. *Viruses*, **2020**, 12,	6.2	7
22	Structure of the multiple functional domains from coronavirus nonstructural protein 3. *Emerging Microbes and Infections*, **2021**, 10, 66-80	18.9	7
21	Crystal Structure of the Dimerized N Terminus of Porcine Circovirus Type 2 Replicase Protein Reveals a Novel Antiviral Interface. *Journal of Virology*, **2018**, 92,	6.6	7
20	Coexistence of multiple genotypes of porcine epidemic diarrhea virus with novel mutant S genes in the Hubei Province of China in 2016. *Virologica Sinica*, **2017**, 32, 298-306	6.4	6

19	Genome-scale CRISPR screen identifies TMEM41B as a multi-function host factor required for coronavirus replication. *PLoS Pathogens*, **2021**, 17, e1010113	7.6	6
18	Glycine 29 Is Critical for Conformational Changes of the Spike Glycoprotein of Mouse Hepatitis Virus A59 Triggered by either Receptor Binding or High pH. *Journal of Virology*, **2019**, 93,	6.6	5
17	A novel function of African Swine Fever Virus pE66L in inhibition of host translation by the PKR/eIF2pathway. *Journal of Virology*, **2020**,	6.6	5
16	Crystal structures of lactate dehydrogenase BmLDH reveal a critical role for Arg99 in catalysis. *FASEB Journal*, **2019**, 33, 13669-13682	0.9	4
15	Crystal structure of the mouse hepatitis virus ns2 phosphodiesterase domain that antagonizes RNase L activation. *Journal of General Virology*, **2016**, 97, 880-886	4.9	4
14	Cryo-EM analysis of the HCoV-229E spike glycoprotein reveals dynamic prefusion conformational changes. *Nature Communications*, **2021**, 12, 141	17.4	3
13	SARS-CoV-2 nsp5 Exhibits Stronger Catalytic Activity and Interferon Antagonism than Its SARS-CoV Ortholog.. *Journal of Virology*, **2022**, e0003722	6.6	3
12	Structural Characterization of the Helicase nsp10 Encoded by Porcine Reproductive and Respiratory Syndrome Virus. *Journal of Virology*, **2020**, 94,	6.6	2
11	Structural comparisons of host and African swine fever virus dUTPases reveal new clues for inhibitor development. *Journal of Biological Chemistry*, **2021**, 296, 100015	5.4	2
10	The structural basis of African swine fever virus core shell protein p15 binding to DNA. *FASEB Journal*, **2021**, 35, e21350	0.9	2
9	Porcine Epidemic Diarrhea Virus nsp7 Inhibits Interferon-Induced JAK-STAT Signaling through Sequestering the Interaction between KPNA1 and STAT1.. *Journal of Virology*, **2022**, e0040022	6.6	2
8	Identification of a small compound that specifically inhibits Zika virus in vitro and in vivo by targeting the NS2B-NS3 protease.. *Antiviral Research*, **2022**, 199, 105255	10.8	1
7	Insight into vaccine development for Alpha-coronaviruses based on structural and immunological analyses of spike proteins. *Journal of Virology*, **2021**,	6.6	1
6	The trypsin-enhanced infection of porcine epidemic diarrhea virus is determined by the S2 subunit of the spike glycoprotein. *Journal of Virology*, **2021**,	6.6	1
5	Coinfection of porcine deltacoronavirus and porcine epidemic diarrhea virus altered viral tropism in gastrointestinal tract in a piglet model. *Virology*, **2021**, 558, 119-125	3.6	1
4	Two Inhibitors Against the 3C-Like Proteases of Swine Coronavirus and Feline Coronavirus. *Virologica Sinica*, **2021**, 1	6.4	0
3	Establishment of Full-Length cDNA Clones and an Efficient Oral Infection Model for Feline Coronavirus in Cats. *Journal of Virology*, **2021**, 95, e0074521	6.6	0
2	Identification of a novel neutralizing epitope on the N-terminal domain of the HCoV-229E spike protein.. *Journal of Virology*, **2021**, JVI0195521	6.6	0

List of Publications

1	Correction for Tan et al., "Trypsin-Enhanced Infection with Porcine Epidemic Diarrhea Virus Is Determined by the S2 Subunit of the Spike Glycoprotein".. *Journal of Virology*, **2022**, e0040522	6.6