

# Gui-Qing Peng

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Identification of a small compound that specifically inhibits Zika virus in vitro and in vivo by targeting the NS2B-NS3 protease.. <i>Antiviral Research</i> , <b>2022</b> , 199, 105255	10.8	1
53	SARS-CoV-2 nsp5 Exhibits Stronger Catalytic Activity and Interferon Antagonism than Its SARS-CoV Ortholog.. <i>Journal of Virology</i> , <b>2022</b> , e0003722	6.6	3
52	Porcine Epidemic Diarrhea Virus nsp7 Inhibits Interferon-Induced JAK-STAT Signaling through Sequestering the Interaction between KPNA1 and STAT1.. <i>Journal of Virology</i> , <b>2022</b> , e0040022	6.6	2
51	Correction for Tan et al., "Trypsin-Enhanced Infection with Porcine Epidemic Diarrhea Virus Is Determined by the S2 Subunit of the Spike Glycoprotein".. <i>Journal of Virology</i> , <b>2022</b> , e0040522	6.6	
50	Genome-scale CRISPR screen identifies TMEM41B as a multi-function host factor required for coronavirus replication. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1010113	7.6	6
49	Insight into vaccine development for Alpha-coronaviruses based on structural and immunological analyses of spike proteins. <i>Journal of Virology</i> , <b>2021</b> ,	6.6	1
48	The trypsin-enhanced infection of porcine epidemic diarrhea virus is determined by the S2 subunit of the spike glycoprotein. <i>Journal of Virology</i> , <b>2021</b> ,	6.6	1
47	Coinfection of porcine deltacoronavirus and porcine epidemic diarrhea virus altered viral tropism in gastrointestinal tract in a piglet model. <i>Virology</i> , <b>2021</b> , 558, 119-125	3.6	1
46	Structural comparisons of host and African swine fever virus dUTPases reveal new clues for inhibitor development. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100015	5.4	2
45	Structure of the multiple functional domains from coronavirus nonstructural protein 3. <i>Emerging Microbes and Infections</i> , <b>2021</b> , 10, 66-80	18.9	7
44	Cryo-EM analysis of the HCoV-229E spike glycoprotein reveals dynamic prefusion conformational changes. <i>Nature Communications</i> , <b>2021</b> , 12, 141	17.4	3
43	Lysine 164 is critical for SARS-CoV-2 Nsp1 inhibition of host gene expression. <i>Journal of General Virology</i> , <b>2021</b> , 102,	4.9	9
42	The preclinical inhibitor GS441524 in combination with GC376 efficaciously inhibited the proliferation of SARS-CoV-2 in the mouse respiratory tract. <i>Emerging Microbes and Infections</i> , <b>2021</b> , 10, 481-492	18.9	19
41	The structural basis of African swine fever virus core shell protein p15 binding to DNA. <i>FASEB Journal</i> , <b>2021</b> , 35, e21350	0.9	2
40	Two Inhibitors Against the 3C-Like Proteases of Swine Coronavirus and Feline Coronavirus. <i>Virologica Sinica</i> , <b>2021</b> , 1	6.4	0
39	Establishment of Full-Length cDNA Clones and an Efficient Oral Infection Model for Feline Coronavirus in Cats. <i>Journal of Virology</i> , <b>2021</b> , 95, e0074521	6.6	0
38	Identification of a novel neutralizing epitope on the N-terminal domain of the HCoV-229E spike protein.. <i>Journal of Virology</i> , <b>2021</b> , JVI0195521	6.6	0

37	Structural Characterization of the Helicase nsp10 Encoded by Porcine Reproductive and Respiratory Syndrome Virus. <i>Journal of Virology</i> , <b>2020</b> , 94,	6.6	2
36	Porcine Deltacoronavirus Accessory Protein NS7a Antagonizes IFN- $\beta$ Production by Competing With TRAF3 and IRF3 for Binding to IKK- $\beta$ <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2020</b> , 10, 257	5.9	11
35	Structural Basis for Inhibiting Porcine Epidemic Diarrhea Virus Replication with the 3C-Like Protease Inhibitor GC376. <i>Viruses</i> , <b>2020</b> , 12,	6.2	30
34	Rapid manipulation of the porcine epidemic diarrhea virus genome by CRISPR/Cas9 technology. <i>Journal of Virological Methods</i> , <b>2020</b> , 276, 113772	2.6	11
33	Receptor tyrosine kinase inhibitors block proliferation of TGEV mainly through p38 mitogen-activated protein kinase pathways. <i>Antiviral Research</i> , <b>2020</b> , 173, 104651	10.8	15
32	Structural and Biological Basis of Alphacoronavirus nsp1 Associated with Host Proliferation and Immune Evasion. <i>Viruses</i> , <b>2020</b> , 12,	6.2	7
31	Application of CRISPR-Cas12a Enhanced Fluorescence Assay Coupled with Nucleic Acid Amplification for the Sensitive Detection of African Swine Fever Virus. <i>ACS Synthetic Biology</i> , <b>2020</b> , 9, 2339-2350	5.7	18
30	A novel function of African Swine Fever Virus pE66L in inhibition of host translation by the PKR/eIF2 $\beta$ pathway. <i>Journal of Virology</i> , <b>2020</b> ,	6.6	5
29	Crystal structures of lactate dehydrogenase BmLDH reveal a critical role for Arg99 in catalysis. <i>FASEB Journal</i> , <b>2019</b> , 33, 13669-13682	0.9	4
28	Porcine deltacoronavirus nucleocapsid protein antagonizes IFN- $\beta$ production by impairing dsRNA and PACT binding to RIG-I. <i>Virus Genes</i> , <b>2019</b> , 55, 520-531	2.3	19
27	Susceptibility of porcine IPI-2I intestinal epithelial cells to infection with swine enteric coronaviruses. <i>Veterinary Microbiology</i> , <b>2019</b> , 233, 21-27	3.3	15
26	The N-Terminal Domain of Spike Protein Is Not the Enteric Tropism Determinant for Transmissible Gastroenteritis Virus in Piglets. <i>Viruses</i> , <b>2019</b> , 11,	6.2	9
25	Glycine 29 Is Critical for Conformational Changes of the Spike Glycoprotein of Mouse Hepatitis Virus A59 Triggered by either Receptor Binding or High pH. <i>Journal of Virology</i> , <b>2019</b> , 93,	6.6	5
24	Porcine deltacoronavirus nsp15 antagonizes interferon- $\beta$ production independently of its endoribonuclease activity. <i>Molecular Immunology</i> , <b>2019</b> , 114, 100-107	4.3	29
23	A conserved region of nonstructural protein 1 from alphacoronaviruses inhibits host gene expression and is critical for viral virulence. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 13606-13618	5.4	36
22	Two critical N-terminal epitopes of the nucleocapsid protein contribute to the cross-reactivity between porcine epidemic diarrhea virus and porcine transmissible gastroenteritis virus. <i>Journal of General Virology</i> , <b>2019</b> , 100, 206-216	4.9	10
21	Contribution of porcine aminopeptidase N to porcine deltacoronavirus infection. <i>Emerging Microbes and Infections</i> , <b>2018</b> , 7, 65	18.9	38
20	Dimerization of Coronavirus nsp9 with Diverse Modes Enhances Its Nucleic Acid Binding Affinity. <i>Journal of Virology</i> , <b>2018</b> , 92,	6.6	42

19	Insight into the evolution of nidovirus endoribonuclease based on the finding that nsp15 from porcine functions as a dimer. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 12054-12067	5.4	8
18	Identification of two antiviral inhibitors targeting 3C-like serine/3C-like protease of porcine reproductive and respiratory syndrome virus and porcine epidemic diarrhea virus. <i>Veterinary Microbiology</i> , <b>2018</b> , 213, 114-122	3.3	13
17	Structural Basis for the Inhibition of Host Gene Expression by Porcine Epidemic Diarrhea Virus nsp1. <i>Journal of Virology</i> , <b>2018</b> , 92,	6.6	22
16	Porcine Deltacoronavirus Accessory Protein NS6 Antagonizes Interferon Beta Production by Interfering with the Binding of RIG-I/MDA5 to Double-Stranded RNA. <i>Journal of Virology</i> , <b>2018</b> , 92,	6.6	47
15	Crystal Structure of the Dimerized N Terminus of Porcine Circovirus Type 2 Replicase Protein Reveals a Novel Antiviral Interface. <i>Journal of Virology</i> , <b>2018</b> , 92,	6.6	7
14	Porcine Deltacoronavirus nsp5 Antagonizes Type I Interferon Signaling by Cleaving STAT2. <i>Journal of Virology</i> , <b>2017</b> , 91,	6.6	76
13	Coexistence of multiple genotypes of porcine epidemic diarrhea virus with novel mutant S genes in the Hubei Province of China in 2016. <i>Virologica Sinica</i> , <b>2017</b> , 32, 298-306	6.4	6
12	Structure-based discovery of two antiviral inhibitors targeting the NS3 helicase of Japanese encephalitis virus. <i>Scientific Reports</i> , <b>2016</b> , 6, 34550	4.9	13
11	Rabies virus phosphoprotein interacts with ribosomal protein L9 and affects rabies virus replication. <i>Virology</i> , <b>2016</b> , 488, 216-24	3.6	21
10	Porcine Epidemic Diarrhea Virus 3C-Like Protease Regulates Its Interferon Antagonism by Cleaving NEMO. <i>Journal of Virology</i> , <b>2016</b> , 90, 2090-101	6.6	97
9	A Dimerization-Dependent Mechanism Drives the Endoribonuclease Function of Porcine Reproductive and Respiratory Syndrome Virus nsp11. <i>Journal of Virology</i> , <b>2016</b> , 90, 4579-4592	6.6	24
8	Comparison of lentiviruses pseudotyped with S proteins from coronaviruses and cell tropisms of porcine coronaviruses. <i>Virologica Sinica</i> , <b>2016</b> , 31, 49-56	6.4	15
7	Crystal structure of the mouse hepatitis virus ns2 phosphodiesterase domain that antagonizes RNase L activation. <i>Journal of General Virology</i> , <b>2016</b> , 97, 880-886	4.9	4
6	Identification and Comparison of Receptor Binding Characteristics of the Spike Protein of Two Porcine Epidemic Diarrhea Virus Strains. <i>Viruses</i> , <b>2016</b> , 8, 55	6.2	56
5	Structural basis for the dimerization and substrate recognition specificity of porcine epidemic diarrhea virus 3C-like protease. <i>Virology</i> , <b>2016</b> , 494, 225-35	3.6	27
4	Receptor usage and cell entry of porcine epidemic diarrhea coronavirus. <i>Journal of Virology</i> , <b>2015</b> , 89, 6121-5	6.6	129
3	Mutational analysis of the functional sites in porcine reproductive and respiratory syndrome virus non-structural protein 10. <i>Journal of General Virology</i> , <b>2015</b> , 96, 547-552	4.9	7
2	Crystal structural basis for Rv0315, an immunostimulatory antigen and inactive beta-1,3-glucanase of <i>Mycobacterium tuberculosis</i> . <i>Scientific Reports</i> , <b>2015</b> , 5, 15073	4.9	7

- 1 Identification of three antiviral inhibitors against Japanese encephalitis virus from library of pharmacologically active compounds 1280. *PLoS ONE*, **2013**, 8, e78425 3·7 34