

# Gengfu Xiao

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

15,088  
citations

218592

26  
h-index

98753

67  
g-index

72  
all docs

72  
docs citations

72  
times ranked

29159  
citing authors

#	ARTICLE	IF	CITATIONS
1	Screening and identification of Lassa virus endonuclease-targeting inhibitors from a fragment-based drug discovery library. <i>Antiviral Research</i> , 2022, 197, 105230.	1.9	4
2	Screening of Botanical Drugs against SARS-CoV-2 Entry Reveals Novel Therapeutic Agents to Treat COVID-19. <i>Viruses</i> , 2022, 14, 353.	1.5	11
3	Oral remdesivir derivative WV116 is a potent inhibitor of respiratory syncytial virus with efficacy in mouse model. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 123.	7.1	14
4	Ebola virus VP35 hijacks the PKA-CREB1 pathway for replication and pathogenesis by AKIP1 association. <i>Nature Communications</i> , 2022, 13, 2256.	5.8	11
5	High-Throughput Screening of an FDA-Approved Drug Library Identifies Inhibitors against Arenaviruses and SARS-CoV-2. <i>ACS Infectious Diseases</i> , 2021, 7, 1409-1422.	1.8	31
6	Characterizing the Lassa Virus Envelope Glycoprotein Membrane Proximal External Region for Its Role in Fusogenicity. <i>Virologica Sinica</i> , 2021, 36, 273-280.	1.2	9
7	Effects of N-Linked Glycan on Lassa Virus Envelope Glycoprotein Cleavage, Infectivity, and Immune Response. <i>Virologica Sinica</i> , 2021, 36, 774-783.	1.2	12
8	Structural basis for inhibition of the SARS-CoV-2 RNA polymerase by suramin. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 319-325.	3.6	104
9	Screening of Botanical Drugs against Lassa Virus Entry. <i>Journal of Virology</i> , 2021, 95, .	1.5	17
10	Clinical effect and antiviral mechanism of T-705 in treating severe fever with thrombocytopenia syndrome. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 145.	7.1	30
11	High-throughput screening identifies established drugs as SARS-CoV-2 PLpro inhibitors. <i>Protein and Cell</i> , 2021, 12, 877-888.	4.8	95
12	Activation of the STAT3 Signaling Pathway by the RNA-Dependent RNA Polymerase Protein of Arenavirus. <i>Viruses</i> , 2021, 13, 976.	1.5	1
13	Comprehensive interactome analysis of the spike protein of swine acute diarrhea syndrome coronavirus. <i>Biosafety and Health</i> , 2021, 3, 156-163.	1.2	2
14	RNA Interference Screening Reveals Requirement for Platelet-Derived Growth Factor Receptor Beta in Japanese Encephalitis Virus Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	1.4	4
15	SARS-CoV-2 envelope protein causes acute respiratory distress syndrome (ARDS)-like pathological damages and constitutes an antiviral target. <i>Cell Research</i> , 2021, 31, 847-860.	5.7	102
16	Mechanism through Which Retrocyclin Targets Flavivirus Multiplication. <i>Journal of Virology</i> , 2021, 95, e0056021.	1.5	6
17	Decreased inhibition of exosomal miRNAs on SARS-CoV-2 replication underlies poor outcomes in elderly people and diabetic patients. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 300.	7.1	44
18	RBD-homodimer, a COVID-19 subunit vaccine candidate, elicits immunogenicity and protection in rodents and nonhuman primates. <i>Cell Discovery</i> , 2021, 7, 82.	3.1	22

#	ARTICLE	IF	CITATIONS
19	Design and development of an oral remdesivir derivative WV116 against SARS-CoV-2. <i>Cell Research</i> , 2021, 31, 1212-1214.	5.7	71
20	Screening and Identification of Lujo Virus Entry Inhibitors From an Food and Drug Administration-Approved Drugs Library. <i>Frontiers in Microbiology</i> , 2021, 12, 793519.	1.5	5
21	Screening of Natural Extracts for Inhibitors against Japanese Encephalitis Virus Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	31
22	Development of horse neutralizing immunoglobulin and immunoglobulin fragments against JunÃn virus. <i>Antiviral Research</i> , 2020, 174, 104666.	1.9	14
23	Salvianolic acid C potently inhibits SARS-CoV-2 infection by blocking the formation of six-helix bundle core of spike protein. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 220.	7.1	52
24	Inhibition of Na <sup>+</sup> /K <sup>+</sup> ATPase blocks Zika virus infection in mice. <i>Communications Biology</i> , 2020, 3, 380.	2.0	15
25	Immunoglobulin fragment F(abâ€™™)2 against RBD potently neutralizes SARS-CoV-2 in vitro. <i>Antiviral Research</i> , 2020, 182, 104868.	1.9	48
26	Novel and potent inhibitors targeting DHODH are broad-spectrum antivirals against RNA viruses including newly-emerged coronavirus SARS-CoV-2. <i>Protein and Cell</i> , 2020, 11, 723-739.	4.8	129
27	Absorbed plant MIR2911 in honeysuckle decoction inhibits SARS-CoV-2 replication and accelerates the negative conversion of infected patients. <i>Cell Discovery</i> , 2020, 6, 54.	3.1	96
28	Decreased HD-MIR2911 absorption in human subjects with the SIDT1 polymorphism fails to inhibit SARS-CoV-2 replication. <i>Cell Discovery</i> , 2020, 6, 63.	3.1	18
29	Comparative Antiviral Efficacy of Viral Protease Inhibitors against the Novel SARS-CoV-2 In Vitro. <i>Virologica Sinica</i> , 2020, 35, 776-784.	1.2	24
30	Calcium channel blocker amlodipine besylate therapy is associated with reduced case fatality rate of COVID-19 patients with hypertension. <i>Cell Discovery</i> , 2020, 6, 96.	3.1	85
31	Lipid-Specific Labeling of Enveloped Viruses with Quantum Dots for Single-Virus Tracking. <i>MBio</i> , 2020, 11, .	1.8	24
32	Structural basis for the inhibition of SARS-CoV-2 main protease by antineoplastic drug carmofur. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 529-532.	3.6	339
33	Structure of Mpro from SARS-CoV-2 and discovery of its inhibitors. <i>Nature</i> , 2020, 582, 289-293.	13.7	3,133
34	A Comparative Quantitative Proteomic Analysis of HCMV-Infected Cells Highlights pUL138 as a Multifunctional Protein. <i>Molecules</i> , 2020, 25, 2520.	1.7	6
35	Remdesivir and chloroquine effectively inhibit the recently emerged novel coronavirus (2019-nCoV) in vitro. <i>Cell Research</i> , 2020, 30, 269-271.	5.7	5,527
36	Structure-based design of antiviral drug candidates targeting the SARS-CoV-2 main protease. <i>Science</i> , 2020, 368, 1331-1335.	6.0	1,135

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37	Comprehensive Interactome Analysis Reveals that STT3B Is Required for N-Glycosylation of Lassa Virus Glycoprotein. <i>Journal of Virology</i> , 2019, 93, .	1.5	14
38	Quantitative Proteomic Analysis Reveals Unfolded-Protein Response Involved in Severe Fever with Thrombocytopenia Syndrome Virus Infection. <i>Journal of Virology</i> , 2019, 93, .	1.5	24
39	A novel RSV F-Fc fusion protein vaccine reduces lung injury induced by respiratory syncytial virus infection. <i>Antiviral Research</i> , 2019, 165, 11-22.	1.9	16
40	A Subcellular Quantitative Proteomic Analysis of Herpes Simplex Virus Type 1-Infected HEK 293T Cells. <i>Molecules</i> , 2019, 24, 4215.	1.7	13
41	Structure-activity relationship optimization for lassa virus fusion inhibitors targeting the transmembrane domain of GP2. <i>Protein and Cell</i> , 2019, 10, 137-142.	4.8	14
42	Fungal mannosylation enhances human papillomavirus 16 E7 therapeutic immunity against TC-1 tumors. <i>Oncology Reports</i> , 2018, 39, 425-432.	1.2	1
43	Phylogenomic analysis unravels evolution of yellow fever virus within hosts. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006738.	1.3	24
44	Novel neutralizing monoclonal antibodies against Junin virus. <i>Antiviral Research</i> , 2018, 156, 21-28.	1.9	15
45	Screening and Identification of Lassa Virus Entry Inhibitors from an FDA-Approved Drug Library. <i>Journal of Virology</i> , 2018, 92, .	1.5	48
46	Global quantitative proteomic analysis profiles host protein expression in response to Sendai virus infection. <i>Proteomics</i> , 2017, 17, 1600239.	1.3	8
47	Antiviral activity of peptide inhibitors derived from the protein E stem against Japanese encephalitis and Zika viruses. <i>Antiviral Research</i> , 2017, 141, 140-149.	1.9	51
48	Construction and Rescue of a Functional Synthetic Baculovirus. <i>ACS Synthetic Biology</i> , 2017, 6, 1393-1402.	1.9	40
49	Screening of FDA-Approved Drugs for Inhibitors of Japanese Encephalitis Virus Infection. <i>Journal of Virology</i> , 2017, 91, .	1.5	102
50	Japanese encephalitis virus counteracts BST2 restriction via its envelope protein E. <i>Virology</i> , 2017, 510, 67-75.	1.1	9
51	Isolation and characterization of Zika virus imported to China using C6/36 mosquito cells. <i>Virologica Sinica</i> , 2016, 31, 176-179.	1.2	46
52	Assembly of long DNA sequences using a new synthetic Escherichia coli-yeast shuttle vector. <i>Virologica Sinica</i> , 2016, 31, 160-167.	1.2	14
53	Activation of the RLR/MAVS Signaling Pathway by the L Protein of Mopeia Virus. <i>Journal of Virology</i> , 2016, 90, 10259-10270.	1.5	15
54	The ubiquitin-proteasome system is essential for the productive entry of Japanese encephalitis virus. <i>Virology</i> , 2016, 498, 116-127.	1.1	44

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55	Structure-function relationship of the mammarenavirus envelope glycoprotein. <i>Virologica Sinica</i> , 2016, 31, 380-394.	1.2	20
56	Roles of methionine oxidation in E200K prion protein misfolding. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 346-358.	1.1	11
57	DC-SIGN as an attachment factor mediates Japanese encephalitis virus infection of human dendritic cells via interaction with a single high-mannose residue of viral E glycoprotein. <i>Virology</i> , 2016, 488, 108-119.	1.1	48
58	Enhancement of immune response to a hepatitis C virus E2 DNA vaccine by an immunoglobulin Fc fusion tag. <i>Journal of Medical Virology</i> , 2015, 87, 2090-2097.	2.5	3
59	Subcellular quantitative proteomic analysis reveals host proteins involved in human cytomegalovirus infection. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 967-978.	1.1	11
60	Characterization of the fusion core in zebrafish endogenous retroviral envelope protein. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 633-638.	1.0	6
61	Structure-Based Mutational Analysis of Several Sites in the E Protein: Implications for Understanding the Entry Mechanism of Japanese Encephalitis Virus. <i>Journal of Virology</i> , 2015, 89, 5668-5686.	1.5	40
62	Peptide inhibitor of Japanese encephalitis virus infection targeting envelope protein domain III. <i>Antiviral Research</i> , 2014, 104, 7-14.	1.9	38
63	Methionine oxidation accelerates the aggregation and enhances the neurotoxicity of the D178N variant of the human prion protein. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 2345-2356.	1.8	11
64	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
65	Remdesivir and chloroquine effectively inhibit the recently emerged novel coronavirus (2019-nCoV) in vitro. , 0, .		1