Gengfu Xiao

List of Publications by Year in descending order

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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	Remdesivir and chloroquine effectively inhibit the recently emerged novel coronavirus (2019-nCoV) in vitro. Cell Research, 2020, 30, 269-271.	5.7	5,527
2	Structure of Mpro from SARS-CoV-2 and discovery of its inhibitors. Nature, 2020, 582, 289-293.	13.7	3,133
3	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
4	Structure-based design of antiviral drug candidates targeting the SARS-CoV-2 main protease. Science, 2020, 368, 1331-1335.	6.0	1,135
5	Structural basis for the inhibition of SARS-CoV-2 main protease by antineoplastic drug carmofur. Nature Structural and Molecular Biology, 2020, 27, 529-532.	3.6	339
6	Novel and potent inhibitors targeting DHODH are broad-spectrum antivirals against RNA viruses including newly-emerged coronavirus SARS-CoV-2. Protein and Cell, 2020, 11, 723-739.	4.8	129
7	Structural basis for inhibition of the SARS-CoV-2 RNA polymerase by suramin. Nature Structural and Molecular Biology, 2021, 28, 319-325.	3.6	104
8	Screening of FDA-Approved Drugs for Inhibitors of Japanese Encephalitis Virus Infection. Journal of Virology, 2017, 91, .	1.5	102
9	SARS-CoV-2 envelope protein causes acute respiratory distress syndrome (ARDS)-like pathological damages and constitutes an antiviral target. Cell Research, 2021, 31, 847-860.	5.7	102
10	Absorbed plant MIR2911 in honeysuckle decoction inhibits SARS-CoV-2 replication and accelerates the negative conversion of infected patients. Cell Discovery, 2020, 6, 54.	3.1	96
11	High-throughput screening identifies established drugs as SARS-CoV-2 PLpro inhibitors. Protein and Cell, 2021, 12, 877-888.	4.8	95
12	Calcium channel blocker amlodipine besylate therapy is associated with reduced case fatality rate of COVID-19 patients with hypertension. Cell Discovery, 2020, 6, 96.	3.1	85
13	Design and development of an oral remdesivir derivative VV116 against SARS-CoV-2. Cell Research, 2021, 31, 1212-1214.	5.7	71
14	Salvianolic acid C potently inhibits SARS-CoV-2 infection by blocking the formation of six-helix bundle core of spike protein. Signal Transduction and Targeted Therapy, 2020, 5, 220.	7.1	52
15	Antiviral activity of peptide inhibitors derived from the protein E stem against Japanese encephalitis and Zika viruses. Antiviral Research, 2017, 141, 140-149.	1.9	51
16	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. Virology, 2016, 488, 108-119.	1.1	48
17	Screening and Identification of Lassa Virus Entry Inhibitors from an FDA-Approved Drug Library. Journal of Virology, 2018, 92, .	1.5	48
18	Immunoglobulin fragment F(abâ€™)2 against RBD potently neutralizes SARS-CoV-2 in vitro. Antiviral Research, 2020, 182, 104868.	1.9	48

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19	Isolation and characterization of Zika virus imported to China using C6/36 mosquito cells. Virologica Sinica, 2016, 31, 176-179.	1.2	46
20	The ubiquitin-proteasome system is essential for the productive entry of Japanese encephalitis virus. Virology, 2016, 498, 116-127.	1.1	44
21	Decreased inhibition of exosomal miRNAs on SARS-CoV-2 replication underlies poor outcomes in elderly people and diabetic patients. Signal Transduction and Targeted Therapy, 2021, 6, 300.	7.1	44
22	Structure-Based Mutational Analysis of Several Sites in the E Protein: Implications for Understanding the Entry Mechanism of Japanese Encephalitis Virus. Journal of Virology, 2015, 89, 5668-5686.	1.5	40
23	Construction and Rescue of a Functional Synthetic Baculovirus. ACS Synthetic Biology, 2017, 6, 1393-1402.	1.9	40
24	Peptide inhibitor of Japanese encephalitis virus infection targeting envelope protein domain III. Antiviral Research, 2014, 104, 7-14.	1.9	38
25	Screening of Natural Extracts for Inhibitors against Japanese Encephalitis Virus Infection. Antimicrobial Agents and Chemotherapy, 2020, 64, .	1.4	31
26	High-Throughput Screening of an FDA-Approved Drug Library Identifies Inhibitors against Arenaviruses and SARS-CoV-2. ACS Infectious Diseases, 2021, 7, 1409-1422.	1.8	31
27	Clinical effect and antiviral mechanism of T-705 in treating severe fever with thrombocytopenia syndrome. Signal Transduction and Targeted Therapy, 2021, 6, 145.	7.1	30
28	Phylogenomic analysis unravels evolution of yellow fever virus within hosts. PLoS Neglected Tropical Diseases, 2018, 12, e0006738.	1.3	24
29	Quantitative Proteomic Analysis Reveals Unfolded-Protein Response Involved in Severe Fever with Thrombocytopenia Syndrome Virus Infection. Journal of Virology, 2019, 93, .	1.5	24
30	Comparative Antiviral Efficacy of Viral Protease Inhibitors against the Novel SARS-CoV-2 In Vitro. Virologica Sinica, 2020, 35, 776-784.	1.2	24
31	Lipid-Specific Labeling of Enveloped Viruses with Quantum Dots for Single-Virus Tracking. MBio, 2020, 11, .	1.8	24
32	RBD-homodimer, a COVID-19 subunit vaccine candidate, elicits immunogenicity and protection in rodents and nonhuman primates. Cell Discovery, 2021, 7, 82.	3.1	22
33	Structure-function relationship of the mammarenavirus envelope glycoprotein. Virologica Sinica, 2016, 31, 380-394.	1.2	20
34	Decreased HD-MIR2911 absorption in human subjects with the SIDT1 polymorphism fails to inhibit SARS-CoV-2 replication. Cell Discovery, 2020, 6, 63.	3.1	18
35	Screening of Botanical Drugs against Lassa Virus Entry. Journal of Virology, 2021, 95, .	1.5	17
36	A novel RSV F-Fc fusion protein vaccine reduces lung injury induced by respiratory syncytial virus infection. Antiviral Research, 2019, 165, 11-22.	1.9	16

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37	Activation of the RLR/MAVS Signaling Pathway by the L Protein of Mopeia Virus. Journal of Virology, 2016, 90, 10259-10270.	1.5	15
38	Novel neutralizing monoclonal antibodies against Junin virus. Antiviral Research, 2018, 156, 21-28.	1.9	15
39	Inhibition of Na+/K+ ATPase blocks Zika virus infection in mice. Communications Biology, 2020, 3, 380.	2.0	15
40	Assembly of long DNA sequences using a new synthetic Escherichia coli-yeast shuttle vector. Virologica Sinica, 2016, 31, 160-167.	1.2	14
41	Comprehensive Interactome Analysis Reveals that STT3B Is Required for N-Glycosylation of Lassa Virus Glycoprotein. Journal of Virology, 2019, 93, .	1.5	14
42	Structure-activity relationship optimization for lassa virus fusion inhibitors targeting the transmembrane domain of GP2. Protein and Cell, 2019, 10, 137-142.	4.8	14
43	Development of horse neutralizing immunoglobulin and immunoglobulin fragments against JunÃn virus. Antiviral Research, 2020, 174, 104666.	1.9	14
44	Oral remdesivir derivative VV116 is a potent inhibitor of respiratory syncytial virus with efficacy in mouse model. Signal Transduction and Targeted Therapy, 2022, 7, 123.	7.1	14
45	A Subcellular Quantitative Proteomic Analysis of Herpes Simplex Virus Type 1-Infected HEK 293T Cells. Molecules, 2019, 24, 4215.	1.7	13
46	Effects of N-Linked Glycan on Lassa Virus Envelope Glycoprotein Cleavage, Infectivity, and Immune Response. Virologica Sinica, 2021, 36, 774-783.	1.2	12
47	Methionine oxidation accelerates the aggregation and enhances the neurotoxicity of the D178N variant of the human prion protein. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 2345-2356.	1.8	11
48	Subcellular quantitative proteomic analysis reveals host proteins involved in human cytomegalovirus infection. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 967-978.	1.1	11
49	Roles of methionine oxidation in E200K prion protein misfolding. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2016, 1864, 346-358.	1.1	11
50	Screening of Botanical Drugs against SARS-CoV-2 Entry Reveals Novel Therapeutic Agents to Treat COVID-19. Viruses, 2022, 14, 353.	1.5	11
51	Ebola virus VP35 hijacks the PKA-CREB1 pathway for replication and pathogenesis by AKIP1 association. Nature Communications, 2022, 13, 2256.	5.8	11
52	Japanese encephalitis virus counteracts BST2 restriction via its envelope protein E. Virology, 2017, 510, 67-75.	1.1	9
53	Characterizing the Lassa Virus Envelope Glycoprotein Membrane Proximal External Region for Its Role in Fusogenicity. Virologica Sinica, 2021, 36, 273-280.	1.2	9
54	Global quantitative proteomic analysis profiles host protein expression in response to Sendai virus infection. Proteomics, 2017, 17, 1600239.	1.3	8

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55	Characterization of the fusion core in zebrafish endogenous retroviral envelope protein. Biochemical and Biophysical Research Communications, 2015, 460, 633-638.	1.0	6
56	A Comparative Quantitative Proteomic Analysis of HCMV-Infected Cells Highlights pUL138 as a Multifunctional Protein. Molecules, 2020, 25, 2520.	1.7	6
57	Mechanism through Which Retrocyclin Targets Flavivirus Multiplication. Journal of Virology, 2021, 95, e0056021.	1.5	6
58	Screening and Identification of Lujo Virus Entry Inhibitors From an Food and Drug Administration-Approved Drugs Library. Frontiers in Microbiology, 2021, 12, 793519.	1.5	5
59	RNA Interference Screening Reveals Requirement for Platelet-Derived Growth Factor Receptor Beta in Japanese Encephalitis Virus Infection. Antimicrobial Agents and Chemotherapy, 2021, 65, .	1.4	4
60	Screening and identification of Lassa virus endonuclease-targeting inhibitors from a fragment-based drug discovery library. Antiviral Research, 2022, 197, 105230.	1.9	4
61	Enhancement of immune response to a hepatitis C virus E2 DNA vaccine by an immunoglobulin Fc fusion tag. Journal of Medical Virology, 2015, 87, 2090-2097.	2.5	3
62	Comprehensive interactome analysis of the spike protein of swine acute diarrhea syndrome coronavirus. Biosafety and Health, 2021, 3, 156-163.	1.2	2
63	Fungal mannosylation enhances human papillomavirus 16 E7 therapeutic immunity against TC-1 tumors. Oncology Reports, 2018, 39, 425-432.	1.2	1
64	Activation of the STAT3 Signaling Pathway by the RNA-Dependent RNA Polymerase Protein of Arenavirus. Viruses, 2021, 13, 976.	1.5	1
65	Remdesivir and chloroquine effectively inhibit the recently emerged novel coronavirus (2019-nCoV) in vitro. , 0, .		1