

Ruchao Peng

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,315
citations

430754

18
h-index

477173

29
g-index

31
all docs

31
docs citations

31
times ranked

2421
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular basis of differential receptor usage for naturally occurring CD55-binding and -nonbinding coxsackievirus B3 strains. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	2
2	Structural Basis of SARS-CoV-2 Polymerase Inhibition by Favipiravir. Innovation(China), 2021, 2, 100080.	5.2	51
3	<i>Mycobacterium tuberculosis</i> protein kinase G acts as an unusual ubiquitinating enzyme to impair host immunity. EMBO Reports, 2021, 22, e52175.	2.0	23
4	Cryo-EM structures of Lassa and Machupo virus polymerases complexed with cognate regulatory Z proteins identify targets for antivirals. Nature Microbiology, 2021, 6, 921-931.	5.9	20
5	Current knowledge of COVID-19: Advances, challenges and future perspectives. Biosafety and Health, 2021, 3, 202-209.	1.2	4
6	Cell entry by SARS-CoV-2. Trends in Biochemical Sciences, 2021, 46, 848-860.	3.7	118
7	Molecular basis of Coxsackievirus A10 entry using the two-in-one attachment and uncoating receptor KRM1. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18711-18718.	3.3	18
8	Cryo-EM structure of the varicella-zoster virus A-capsid. Nature Communications, 2020, 11, 4795.	5.8	10
9	Structural and Biochemical Characterization of the nsp12-nsp7-nsp8 Core Polymerase Complex from SARS-CoV-2. Cell Reports, 2020, 31, 107774.	2.9	216
10	Structural insight into arenavirus replication machinery. Nature, 2020, 579, 615-619.	13.7	51
11	Molecular Basis of Binding between Middle East Respiratory Syndrome Coronavirus and CD26 from Seven Bat Species. Journal of Virology, 2020, 94, .	1.5	16
12	Postfusion structure of human-infecting Bourbon virus envelope glycoprotein. Journal of Structural Biology, 2019, 208, 99-106.	1.3	10
13	Structural insight into multistage inhibition of CRISPR-Cas12a by AcrVA4. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18928-18936.	3.3	21
14	Structural insight into RNA synthesis by influenza D polymerase. Nature Microbiology, 2019, 4, 1750-1759.	5.9	58
15	Human Neonatal Fc Receptor Is the Cellular Uncoating Receptor for Enterovirus B. Cell, 2019, 177, 1553-1565.e16.	13.5	69
16	Light chain modulates heavy chain conformation to change protection profile of monoclonal antibodies against influenza A viruses. Cell Discovery, 2019, 5, 21.	3.1	15
17	Molecular Basis of a Protective/Neutralizing Monoclonal Antibody Targeting Envelope Proteins of both Tick-Borne Encephalitis Virus and Louping Ill Virus. Journal of Virology, 2019, 93, .	1.5	19
18	Avian-to-Human Receptor-Binding Adaptation of Avian H7N9 Influenza Virus Hemagglutinin. Cell Reports, 2019, 29, 2217-2228.e5.	2.9	27

#	ARTICLE	IF	CITATIONS
19	Cryo-EM Structure of the African Swine Fever Virus. <i>Cell Host and Microbe</i> , 2019, 26, 836-843.e3.	5.1	113
20	Glycan Binding Specificity and Mechanism of Human and Porcine P[6]/P[19] Rotavirus VP8*s. <i>Journal of Virology</i> , 2018, 92, .	1.5	23
21	Human Group C Rotavirus VP8*s Recognize Type A Histo-Blood Group Antigens as Ligands. <i>Journal of Virology</i> , 2018, 92, .	1.5	21
22	The Postfusion Structure of the Heartland Virus Gc Glycoprotein Supports Taxonomic Separation of the Bunyaviral Families Phenuiviridae and Hantaviridae. <i>Journal of Virology</i> , 2018, 92, .	1.5	24
23	Alternate binding modes of anti-CRISPR viral suppressors AcrF1/2 to Csy surveillance complex revealed by cryo-EM structures. <i>Cell Research</i> , 2017, 27, 853-864.	5.7	64
24	Structures of human-infecting <i>Thogotovirus</i> fusogens support a common ancestor with insect baculovirus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8905-E8912.	3.3	29
25	Crystal Structure of the Marburg Virus Nucleoprotein Core Domain Chaperoned by a VP35 Peptide Reveals a Conserved Drug Target for Filovirus. <i>Journal of Virology</i> , 2017, 91, .	1.5	31
26	Two classes of protective antibodies against Pseudorabies virus variant glycoprotein B: Implications for vaccine design. <i>PLoS Pathogens</i> , 2017, 13, e1006777.	2.1	34
27	Molecular determinants of human neutralizing antibodies isolated from a patient infected with Zika virus. <i>Science Translational Medicine</i> , 2016, 8, 369ra179.	5.8	194
28	In vitro assembly of Ebola virus nucleocapsid-like complex expressed in <i>E. coli</i> . <i>Protein and Cell</i> , 2016, 7, 888-898.	4.8	9
29	Functional and Structural Characterization of P[19] Rotavirus VP8* Interaction with Histo-blood Group Antigens. <i>Journal of Virology</i> , 2016, 90, 9758-9765.	1.5	19