

Yi Shi

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

7,497
citations

76326

40
h-index

62596

80
g-index

116
all docs

116
docs citations

116
times ranked

13030
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging HxNy Influenza A Viruses. Cold Spring Harbor Perspectives in Medicine, 2022, 12, a038406.	6.2	30
2	Landscapes and dynamic diversifications of B-cell receptor repertoires in COVID-19 patients. Human Immunology, 2022, 83, 119-129.	2.4	17
3	Legionella pneumophila Risk from Cooling Tower Systems in China. Applied and Environmental Microbiology, 2022, 88, AEM0192121.	3.1	3
4	Longitudinal analysis of antibody dynamics in COVID-19 convalescents reveals neutralizing responses up to 16 months after infection. Nature Microbiology, 2022, 7, 423-433.	13.3	78
5	Analysis of SARS-CoV-2 variants B.1.617: host tropism, proteolytic activation, cell-cell fusion, and neutralization sensitivity. Emerging Microbes and Infections, 2022, 11, 1024-1036.	6.5	5
6	Comparative study on virus shedding patterns in nasopharyngeal and fecal specimens of COVID-19 patients. Science China Life Sciences, 2021, 64, 486-488.	4.9	95
7	ORF3a of the COVID-19 virus SARS-CoV-2 blocks HOPS complex-mediated assembly of the SNARE complex required for autolysosome formation. Developmental Cell, 2021, 56, 427-442.e5.	7.0	250
8	A broadly protective antibody that targets the flavivirus NS1 protein. Science, 2021, 371, 190-194.	12.6	66
9	Downregulated miR-451a as a feature of the plasma cfRNA landscape reveals regulatory networks of IL-6/IL-6R-associated cytokine storms in COVID-19 patients. Cellular and Molecular Immunology, 2021, 18, 1064-1066.	10.5	31
10	Structural Basis of SARS-CoV-2 Polymerase Inhibition by Favipiravir. Innovation(China), 2021, 2, 100080.	9.1	51
11	Structural basis for the inhibition of the SARS-CoV-2 main protease by the anti-HCV drug nardaprevir. Signal Transduction and Targeted Therapy, 2021, 6, 51.	17.1	20
12	SARS-CoV-2 501Y.V2 variants lack higher infectivity but do have immune escape. Cell, 2021, 184, 2362-2371.e9.	28.9	332
13	Avian influenza A (H7N9) virus: from low pathogenic to highly pathogenic. Frontiers of Medicine, 2021, 15, 507-527.	3.4	30
14	Identification of antibiotic resistance genes and associated mobile genetic elements in permafrost. Science China Life Sciences, 2021, 64, 2210-2213.	4.9	5
15	<i>Mycobacterium tuberculosis</i> protein kinase G acts as an unusual ubiquitinating enzyme to impair host immunity. EMBO Reports, 2021, 22, e52175.	4.5	23
16	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.	13.3	20
17	Current knowledge of COVID-19: Advances, challenges and future perspectives. Biosafety and Health, 2021, 3, 202-209.	2.7	4
18	Tracing the origins of SARS-CoV-2: lessons learned from the past. Cell Research, 2021, 31, 1139-1141.	12.0	25

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19	Integrated gut virome and bacteriome dynamics in COVID-19 patients. <i>Gut Microbes</i> , 2021, 13, 1-21.	9.8	81
20	Meclizine Inhibits Pseudorabies Virus Replication by Interfering With Virus Entry and Release. <i>Frontiers in Microbiology</i> , 2021, 12, 795593.	3.5	4
21	Structures of the four- α lg-like domain LILRB2 and the four-domain LILRB1 and HLA-G1 complex. <i>Cellular and Molecular Immunology</i> , 2020, 17, 966-975.	10.5	38
22	Inference of person-to-person transmission of COVID-19 reveals hidden super-spreading events during the early outbreak phase. <i>Nature Communications</i> , 2020, 11, 5006.	12.8	80
23	Single-Cell Sequencing of Peripheral Mononuclear Cells Reveals Distinct Immune Response Landscapes of COVID-19 and Influenza Patients. <i>Immunity</i> , 2020, 53, 685-696.e3.	14.3	299
24	Dominant subtype switch in avian influenza viruses during 2016–2019 in China. <i>Nature Communications</i> , 2020, 11, 5909.	12.8	93
25	The effect of whey protein on viral infection and replication of SARS-CoV-2 and pangolin coronavirus in vitro. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 275.	17.1	40
26	Structure-Based Modification of an Anti-neuraminidase Human Antibody Restores Protection Efficacy against the Drifted Influenza Virus. <i>MBio</i> , 2020, 11, .	4.1	12
27	Both Boceprevir and GC376 efficaciously inhibit SARS-CoV-2 by targeting its main protease. <i>Nature Communications</i> , 2020, 11, 4417.	12.8	394
28	Cryo-EM structure of the varicella-zoster virus A-capsid. <i>Nature Communications</i> , 2020, 11, 4795.	12.8	10
29	Diversity and abundance of resistome in rhizosphere soil. <i>Science China Life Sciences</i> , 2020, 63, 1946-1949.	4.9	1
30	Structural and Biochemical Characterization of the nsp12-nsp7-nsp8 Core Polymerase Complex from SARS-CoV-2. <i>Cell Reports</i> , 2020, 31, 107774.	6.4	216
31	Structural insight into arenavirus replication machinery. <i>Nature</i> , 2020, 579, 615-619.	27.8	51
32	New Virus, New Challenge. <i>Innovation(China)</i> , 2020, 1, 100005.	9.1	9
33	A novel virtual screening procedure identifies Pralatrexate as inhibitor of SARS-CoV-2 RdRp and it reduces viral replication in vitro. <i>PLoS Computational Biology</i> , 2020, 16, e1008489.	3.2	42
34	The Genome Resequencing of TCR Loci in <i>Gallus gallus</i> Revealed Their Distinct Evolutionary Features in Avians. <i>ImmunoHorizons</i> , 2020, 4, 33-46.	1.8	10
35	Title is missing!. , 2020, 16, e1008489.		0
36	Title is missing!. , 2020, 16, e1008489.		0

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37	Title is missing!. , 2020, 16, e1008489.		0
38	Title is missing!. , 2020, 16, e1008489.		0
39	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.	7.1	21
40	Azithromycin Protects against Zika Virus Infection by Upregulating Virus-Induced Type I and III Interferon Responses. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	83
41	Structural insight into RNA synthesis by influenza D polymerase. Nature Microbiology, 2019, 4, 1750-1759.	13.3	58
42	Disrupting LILRB4/APOE Interaction by an Efficacious Humanized Antibody Reverses T-cell Suppression and Blocks AML Development. Cancer Immunology Research, 2019, 7, 1244-1257.	3.4	51
43	Salt bridge-forming residues positioned over viral peptides presented by MHC class I impacts T-cell recognition in a binding-dependent manner. Molecular Immunology, 2019, 112, 274-282.	2.2	5
44	Discs large homolog 1 regulates B-cell proliferation and antibody production. International Immunology, 2019, 31, 759-770.	4.0	2
45	Human Neonatal Fc Receptor Is the Cellular Uncoating Receptor for Enterovirus B. Cell, 2019, 177, 1553-1565.e16.	28.9	69
46	Light chain modulates heavy chain conformation to change protection profile of monoclonal antibodies against influenza A viruses. Cell Discovery, 2019, 5, 21.	6.7	15
47	Antibiotic resistance gene reservoir in live poultry markets. Journal of Infection, 2019, 78, 445-453.	3.3	40
48	Neutralization mechanism of human monoclonal antibodies against Rift Valley fever virus. Nature Microbiology, 2019, 4, 1231-1241.	13.3	39
49	Avian-to-Human Receptor-Binding Adaptation of Avian H7N9 Influenza Virus Hemagglutinin. Cell Reports, 2019, 29, 2217-2228.e5.	6.4	27
50	Intact Glycopeptide Analysis of Influenza A/H1N1/09 Neuraminidase Revealing the Effects of Host and Glycosite Location on Site-Specific Glycan Structures. Proteomics, 2019, 19, 1800202.	2.2	5
51	Third Tofo Advanced Study Week on Emerging and Re-emerging Viruses, 2018. Antiviral Research, 2019, 162, 142-150.	4.1	3
52	Structure-function analysis of neutralizing antibodies to H7N9 influenza from naturally infected humans. Nature Microbiology, 2019, 4, 306-315.	13.3	41
53	Double Lock of a Human Neutralizing and Protective Monoclonal Antibody Targeting the Yellow Fever Virus Envelope. Cell Reports, 2019, 26, 438-446.e5.	6.4	49
54	Mycobacterium tuberculosis Mce2E suppresses the macrophage innate immune response and promotes epithelial cell proliferation. Cellular and Molecular Immunology, 2019, 16, 380-391.	10.5	32

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55	Crystal Structure of the Capsid Protein from Zika Virus. <i>Journal of Molecular Biology</i> , 2018, 430, 948-962.	4.2	98
56	The S190R mutation in the hemagglutinin protein of pandemic H1N1 2009 influenza virus increased its pathogenicity in mice. <i>Science China Life Sciences</i> , 2018, 61, 836-843.	4.9	3
57	Novel cyclo-peptides inhibit Ebola pseudotyped virus entry by targeting primed GP protein. <i>Antiviral Research</i> , 2018, 155, 1-11.	4.1	18
58	The virulence of <i>Legionella pneumophila</i> is positively correlated with its ability to stimulate NF- κ B activation. <i>Future Microbiology</i> , 2018, 13, 1247-1259.	2.0	5
59	An autoimmune disease variant of IgG1 modulates B cell activation and differentiation. <i>Science</i> , 2018, 362, 700-705.	12.6	28
60	Structures of Zika Virus E & NS1: Relations with Virus Infection and Host Immune Responses. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1062, 77-87.	1.6	13
61	An adenovirus serotype 2-vectored ebolavirus vaccine generates robust antibody and cell-mediated immune responses in mice and rhesus macaques. <i>Emerging Microbes and Infections</i> , 2018, 7, 1-12.	6.5	16
62	Selective inhibition of Ebola entry with selective estrogen receptor modulators by disrupting the endolysosomal calcium. <i>Scientific Reports</i> , 2017, 7, 41226.	3.3	41
63	An unexpected N-terminal loop in PD-1 dominates binding by nivolumab. <i>Nature Communications</i> , 2017, 8, 14369.	12.8	192
64	The crystal structure of Zika virus NS5 reveals conserved drug targets. <i>EMBO Journal</i> , 2017, 36, 919-933.	7.8	107
65	Cryo-EM structures of MERS-CoV and SARS-CoV spike glycoproteins reveal the dynamic receptor binding domains. <i>Nature Communications</i> , 2017, 8, 15092.	12.8	649
66	Conserved V1 Binding Geometry in a Setting of Locus-Disparate pHLA Recognition by V1 T Cell Receptors (TCRs): Insight into Recognition of HIV Peptides by TCRs. <i>Journal of Virology</i> , 2017, 91, .	3.4	15
67	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.	12.0	64
68	Structural Biology of the Zika Virus. <i>Trends in Biochemical Sciences</i> , 2017, 42, 443-456.	7.5	98
69	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.	7.1	29
70	Structures of phlebovirus glycoprotein Gn and identification of a neutralizing antibody epitope. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7564-E7573.	7.1	98
71	Structural basis of anti-PD-L1 monoclonal antibody avelumab for tumor therapy. <i>Cell Research</i> , 2017, 27, 151-153.	12.0	116
72	Pediatric Drug Nitazoxanide: A Potential Choice for Control of Zika. <i>Open Forum Infectious Diseases</i> , 2017, 4, ofx009.	0.9	35

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73	Crystal structure of the C-terminal fragment of NS1 protein from yellow fever virus. <i>Science China Life Sciences</i> , 2017, 60, 1403-1406.	4.9	11
74	CASCIRE surveillance network and work on avian influenza viruses. <i>Science China Life Sciences</i> , 2017, 60, 1386-1391.	4.9	12
75	Two classes of protective antibodies against Pseudorabies virus variant glycoprotein B: Implications for vaccine design. <i>PLoS Pathogens</i> , 2017, 13, e1006777.	4.7	34
76	Structural basis of nectin-1 recognition by pseudorabies virus glycoprotein D. <i>PLoS Pathogens</i> , 2017, 13, e1006314.	4.7	55
77	Remarkably similar CTLA-4 binding properties of therapeutic ipilimumab and tremelimumab antibodies. <i>Oncotarget</i> , 2017, 8, 67129-67139.	1.8	65
78	Molecular determinants of human neutralizing antibodies isolated from a patient infected with Zika virus. <i>Science Translational Medicine</i> , 2016, 8, 369ra179.	12.4	194
79	Contribution of intertwined loop to membrane association revealed by Zika virus full-length NS1 structure. <i>EMBO Journal</i> , 2016, 35, 2170-2178.	7.8	126
80	Zika virus NS1 structure reveals diversity of electrostatic surfaces among flaviviruses. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 456-458.	8.2	165
81	Structures of the Zika Virus Envelope Protein and Its Complex with a Flavivirus Broadly Protective Antibody. <i>Cell Host and Microbe</i> , 2016, 19, 696-704.	11.0	426
82	In vitro assembly of Ebola virus nucleocapsid-like complex expressed in <i>E. coli</i> . <i>Protein and Cell</i> , 2016, 7, 888-898.	11.0	9
83	Effects of a Single Escape Mutation on T Cell and HIV-1 Co-adaptation. <i>Cell Reports</i> , 2016, 15, 2279-2291.	6.4	19
84	Ribavirin is effective against drug-resistant H7N9 influenza virus infections. <i>Protein and Cell</i> , 2016, 7, 611-614.	11.0	11
85	Potent neutralizing monoclonal antibodies against Ebola virus infection. <i>Scientific Reports</i> , 2016, 6, 25856.	3.3	46
86	Structural and functional analysis of an anchorless fibronectin-binding protein FBPS from Gram-positive bacterium <i>Streptococcus suis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13869-13874.	7.1	27
87	Crystal clear: visualizing the intervention mechanism of the PD-1/PD-L1 interaction by two cancer therapeutic monoclonal antibodies. <i>Protein and Cell</i> , 2016, 7, 866-877.	11.0	44
88	Ebola Viral Glycoprotein Bound to Its Endosomal Receptor Niemann-Pick C1. <i>Cell</i> , 2016, 164, 258-268.	28.9	226
89	An Open Receptor-Binding Cavity of Hemagglutinin-Esterase-Fusion Glycoprotein from Newly-Identified Influenza D Virus: Basis for Its Broad Cell Tropism. <i>PLoS Pathogens</i> , 2016, 12, e1005411.	4.7	92
90	A Bat-Derived Putative Cross-Family Recombinant Coronavirus with a Reovirus Gene. <i>PLoS Pathogens</i> , 2016, 12, e1005883.	4.7	92

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91	Structural basis for preferential avian receptor binding by the human-infecting H10N8 avian influenza virus. <i>Nature Communications</i> , 2015, 6, 5600.	12.8	28
92	A potent broad-spectrum protective human monoclonal antibody crosslinking two haemagglutinin monomers of influenza A virus. <i>Nature Communications</i> , 2015, 6, 7708.	12.8	124
93	Adaptation of avian influenza A (H6N1) virus from avian to human receptor binding preference. <i>EMBO Journal</i> , 2015, 34, 1661-1673.	7.8	44
94	Expert consensus on acute exacerbation of chronic obstructive pulmonary disease in the People's Republic of China. <i>International Journal of COPD</i> , 2014, 9, 381.	2.3	39
95	N-Terminal Acetylation for T Cell Recognition: Molecular Basis of MHC Class II-Restricted N-Acetylpeptide Presentation. <i>Journal of Immunology</i> , 2014, 192, 5509-5519.	0.8	14
96	Peptide-dependent Conformational Fluctuation Determines the Stability of the Human Leukocyte Antigen Class I Complex. <i>Journal of Biological Chemistry</i> , 2014, 289, 24680-24690.	3.4	37
97	Bat-derived influenza-like viruses H17N10 and H18N11. <i>Trends in Microbiology</i> , 2014, 22, 183-191.	7.7	270
98	Enabling the 'host jump': structural determinants of receptor-binding specificity in influenza A viruses. <i>Nature Reviews Microbiology</i> , 2014, 12, 822-831.	28.6	213
99	Superimposed Epitopes Restricted by the Same HLA Molecule Drive Distinct HIV-Specific CD8+ T Cell Repertoires. <i>Journal of Immunology</i> , 2014, 193, 77-84.	0.8	15
100	Structures and Receptor Binding of Hemagglutinins from Human-Infecting H7N9 Influenza Viruses. <i>Science</i> , 2013, 342, 243-247.	12.6	237
101	Crystal structures of the two membrane-proximal Ig-like domains (D3D4) of LILRB1/B2: alternative models for their involvement in peptide-HLA binding. <i>Protein and Cell</i> , 2013, 4, 761-770.	11.0	14
102	Structure and receptor-binding properties of an airborne transmissible avian influenza A virus hemagglutinin H5 (VN1203mut). <i>Protein and Cell</i> , 2013, 4, 502-511.	11.0	34
103	Linking innate and adaptive immunity. <i>Science Bulletin</i> , 2012, 57, 4100-4102.	1.7	0
104	Plasticity of human CD8 binding to peptide-HLA-A*2402. <i>Molecular Immunology</i> , 2011, 48, 2198-2202.	2.2	26
105	Special features of the 2009 pandemic swine-origin influenza A H1N1 hemagglutinin and neuraminidase. <i>Science Bulletin</i> , 2011, 56, 1747-1752.	1.7	14
106	Crystal structure of the swine-origin A (H1N1)-2009 influenza A virus hemagglutinin (HA) reveals similar antigenicity to that of the 1918 pandemic virus. <i>Protein and Cell</i> , 2010, 1, 459-467.	11.0	94
107	Significance of electron microscopic examination in the diagnosis of pulmonary neoplasms. <i>Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research</i> , 1995, 7, 61-65.	2.2	0