

# Liya Hu

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,494  
citations

430754

18  
h-index

330025

37  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1906  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic structure of the predominant GII.4 human norovirus capsid reveals novel stability and plasticity. <i>Nature Communications</i> , 2022, 13, 1241.	5.8	19
2	NANOG prion-like assembly mediates DNA bridging to facilitate chromatin reorganization and activation of pluripotency. <i>Nature Cell Biology</i> , 2022, 24, 737-747.	4.6	19
3	Novel fold of rotavirus glycan-binding domain predicted by AlphaFold2 and determined by X-ray crystallography. <i>Communications Biology</i> , 2022, 5, 419.	2.0	10
4	Esomeprazole covalently interacts with the cardiovascular enzyme dimethylarginine dimethylaminohydrolase: Insights into the cardiovascular risk of proton pump inhibitors. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022, 1866, 130149.	1.1	1
5	Cryo-EM Structure of Rotavirus VP3 Reveals Novel Insights into Its Role in RNA Capping and Endogenous Transcription. <i>Springer Proceedings in Materials</i> , 2021, , 211-220.	0.1	0
6	Local interactions with the Glu166 base and the conformation of an active site loop play key roles in carbapenem hydrolysis by the KPC-2 $\beta$ -lactamase. <i>Journal of Biological Chemistry</i> , 2021, 296, 100799.	1.6	14
7	Reoviruses (Reoviridae) and Their Structural Relatives. , 2021, , 303-317.		1
8	Broadly cross-reactive human antibodies that inhibit genogroup I and II noroviruses. <i>Nature Communications</i> , 2021, 12, 4320.	5.8	21
9	Structural basis of the stereoselective formation of the spirooxindole ring in the biosynthesis of citrinadins. <i>Nature Communications</i> , 2021, 12, 4158.	5.8	17
10	Glycan Recognition in Human Norovirus Infections. <i>Viruses</i> , 2021, 13, 2066.	1.5	15
11	Norovirus Protease Structure and Antivirals Development. <i>Viruses</i> , 2021, 13, 2069.	1.5	3
12	Unique Diacidic Fragments Inhibit the OXA-48 Carbapenemase and Enhance the Killing of <i>Escherichia coli</i> Producing OXA-48. <i>ACS Infectious Diseases</i> , 2021, 7, 3345-3354.	1.8	3
13	High-Resolution Mapping of Human Norovirus Antigens via Genomic Phage Display Library Selections and Deep Sequencing. <i>Journal of Virology</i> , 2020, 95, .	1.5	10
14	Structure and mechanism of human diacylglycerol O-acyltransferase $\beta$ 1. <i>Nature</i> , 2020, 581, 329-332.	13.7	72
15	Identifying Oxacillinase-48 Carbapenemase Inhibitors Using DNA-Encoded Chemical Libraries. <i>ACS Infectious Diseases</i> , 2020, 6, 1214-1227.	1.8	27
16	TrkA undergoes a tetramer-to-dimer conversion to open TrkH which enables changes in membrane potential. <i>Nature Communications</i> , 2020, 11, 547.	5.8	20
17	Antagonism between substitutions in $\beta$ -lactamase explains a path not taken in the evolution of bacterial drug resistance. <i>Journal of Biological Chemistry</i> , 2020, 295, 7376-7390.	1.6	14
18	2.7 Å... cryo-EM structure of rotavirus core protein VP3, a unique capping machine with a helicase activity. <i>Science Advances</i> , 2020, 6, eaay6410.	4.7	16

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19	A drug-resistant $\beta$ -lactamase variant changes the conformation of its active-site proton shuttle to alter substrate specificity and inhibitor potency. <i>Journal of Biological Chemistry</i> , 2020, 295, 18239-18255.	1.6	14
20	Influenza A Virus Protein NS1 Exhibits Strain-Independent Conformational Plasticity. <i>Journal of Virology</i> , 2019, 93, .	1.5	11
21	GI.4 Norovirus Protease Shows pH-Sensitive Proteolysis with a Unique Arg-His Pairing in the Catalytic Site. <i>Journal of Virology</i> , 2019, 93, .	1.5	10
22	Human VP8* mAbs neutralize rotavirus selectively in human intestinal epithelial cells. <i>Journal of Clinical Investigation</i> , 2019, 129, 3839-3851.	3.9	32
23	Human milk oligosaccharides, milk microbiome and infant gut microbiome modulate neonatal rotavirus infection. <i>Nature Communications</i> , 2018, 9, 5010.	5.8	130
24	Phosphorylation cascade regulates the formation and maturation of rotaviral replication factories. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E12015-E12023.	3.3	39
25	Differential active site requirements for NDM-1 $\beta$ -lactamase hydrolysis of carbapenem versus penicillin and cephalosporin antibiotics. <i>Nature Communications</i> , 2018, 9, 4524.	5.8	67
26	Reovirus Nonstructural Protein $\sigma$ NS Acts as an RNA Stability Factor Promoting Viral Genome Replication. <i>Journal of Virology</i> , 2018, 92, .	1.5	17
27	Structure of an E1C sugar transporter trapped in an inward-facing conformation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5962-5967.	3.3	18
28	Glycan recognition in globally dominant human rotaviruses. <i>Nature Communications</i> , 2018, 9, 2631.	5.8	63
29	Strain-Specific Virolysis Patterns of Human Noroviruses in Response to Alcohols. <i>PLoS ONE</i> , 2016, 11, e0157787.	1.1	14
30	Multiple oligomeric structures of a bacterial small heat shock protein. <i>Scientific Reports</i> , 2016, 6, 24019.	1.6	28
31	Diversity in Rotavirus-Host Glycan Interactions: A "Sweet" Spectrum. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016, 2, 263-273.	2.3	72
32	Structural Basis for 2'-5'-Oligoadenylate Binding and Enzyme Activity of a Viral RNase L Antagonist. <i>Journal of Virology</i> , 2015, 89, 6633-6645.	1.5	28
33	Structural basis of glycan specificity in neonate-specific bovine-human reassortant rotavirus. <i>Nature Communications</i> , 2015, 6, 8346.	5.8	50
34	Human Milk Contains Novel Glycans That Are Potential Decoy Receptors for Neonatal Rotaviruses. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 2944-2960.	2.5	113
35	Probing the Sites of Interactions of Rotaviral Proteins Involved in Replication. <i>Journal of Virology</i> , 2014, 88, 12866-12881.	1.5	29
36	Structural basis of glycan interaction in gastroenteric viral pathogens. <i>Current Opinion in Virology</i> , 2014, 7, 119-127.	2.6	32

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37	The VP8* Domain of Neonatal Rotavirus Strain G10P[11] Binds to Type II Precursor Glycans. <i>Journal of Virology</i> , 2013, 87, 7255-7264.	1.5	74
38	Crystallographic Analysis of Rotavirus NSP2-RNA Complex Reveals Specific Recognition of 5' GG Sequence for RTPase Activity. <i>Journal of Virology</i> , 2012, 86, 10547-10557.	1.5	25
39	Rotavirus non-structural proteins: structure and function. <i>Current Opinion in Virology</i> , 2012, 2, 380-388.	2.6	63
40	Cell attachment protein VP8* of a human rotavirus specifically interacts with A-type histo-blood group antigen. <i>Nature</i> , 2012, 485, 256-259.	13.7	283