

# Yixuan J Hou

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

6,405  
citations

279487

23  
h-index

344852

36  
g-index

44  
all docs

44  
docs citations

44  
times ranked

13012  
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 Reverse Genetics Reveals a Variable Infection Gradient in the Respiratory Tract. <i>Cell</i> , 2020, 182, 429-446.e14.	13.5	1,257
2	SARS-CoV-2 D614G variant exhibits efficient replication ex vivo and transmission in vivo. <i>Science</i> , 2020, 370, 1464-1468.	6.0	808
3	The receptor-binding domain of the viral spike protein is an immunodominant and highly specific target of antibodies in SARS-CoV-2 patients. <i>Science Immunology</i> , 2020, 5, .	5.6	772
4	A mouse-adapted model of SARS-CoV-2 to test COVID-19 countermeasures. <i>Nature</i> , 2020, 586, 560-566.	13.7	527
5	A Mouse-Adapted SARS-CoV-2 Induces Acute Lung Injury and Mortality in Standard Laboratory Mice. <i>Cell</i> , 2020, 183, 1070-1085.e12.	13.5	472
6	A Single-Dose Intranasal ChAd Vaccine Protects Upper and Lower Respiratory Tracts against SARS-CoV-2. <i>Cell</i> , 2020, 183, 169-184.e13.	13.5	446
7	Broad and potent activity against SARS-like viruses by an engineered human monoclonal antibody. <i>Science</i> , 2021, 371, 823-829.	6.0	285
8	Genomic RNA Elements Drive Phase Separation of the SARS-CoV-2 Nucleocapsid. <i>Molecular Cell</i> , 2020, 80, 1078-1091.e6.	4.5	255
9	Prevalent, protective, and convergent IgG recognition of SARS-CoV-2 non-RBD spike epitopes. <i>Science</i> , 2021, 372, 1108-1112.	6.0	210
10	De novo design of potent and resilient hACE2 decoys to neutralize SARS-CoV-2. <i>Science</i> , 2020, 370, 1208-1214.	6.0	172
11	Swine acute diarrhea syndrome coronavirus replication in primary human cells reveals potential susceptibility to infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26915-26925.	3.3	104
12	Cryo-EM and antisense targeting of the 28-kDa frameshift stimulation element from the SARS-CoV-2 RNA genome. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 747-754.	3.6	91
13	Comparison of Subgenomic and Total RNA in SARS-CoV-2-Challenged Rhesus Macaques. <i>Journal of Virology</i> , 2021, 95, .	1.5	87
14	Characterization of a Pathogenic Full-Length cDNA Clone and Transmission Model for Porcine Epidemic Diarrhea Virus Strain PC22A. <i>MBio</i> , 2016, 7, e01451-15.	1.8	75
15	Evaluation of Cell-Based and Surrogate SARS-CoV-2 Neutralization Assays. <i>Journal of Clinical Microbiology</i> , 2021, 59, e0052721.	1.8	71
16	Deletion of a 197-Amino-Acid Region in the N-Terminal Domain of Spike Protein Attenuates Porcine Epidemic Diarrhea Virus in Piglets. <i>Journal of Virology</i> , 2017, 91, .	1.5	68
17	Attenuation of an original US porcine epidemic diarrhea virus strain PC22A via serial cell culture passage. <i>Veterinary Microbiology</i> , 2017, 201, 62-71.	0.8	44
18	Genetic evolution analysis and pathogenicity assessment of porcine epidemic diarrhea virus strains circulating in part of China during 2011â€“2017. <i>Infection, Genetics and Evolution</i> , 2019, 69, 153-165.	1.0	42

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19	Deletion of both the Tyrosine-Based Endocytosis Signal and the Endoplasmic Reticulum Retrieval Signal in the Cytoplasmic Tail of Spike Protein Attenuates Porcine Epidemic Diarrhea Virus in Pigs. <i>Journal of Virology</i> , 2019, 93, .	1.5	40
20	Sex Disparities and Neutralizing-Antibody Durability to SARS-CoV-2 Infection in Convalescent Individuals. <i>MSphere</i> , 2021, 6, e0027521.	1.3	36
21	Engineering a Live Attenuated Porcine Epidemic Diarrhea Virus Vaccine Candidate via Inactivation of the Viral 2'- <i>O</i> -Methyltransferase and the Endocytosis Signal of the Spike Protein. <i>Journal of Virology</i> , 2019, 93, .	1.5	35
22	Emerging Highly Virulent Porcine Epidemic Diarrhea Virus: Molecular Mechanisms of Attenuation and Rational Design of Live Attenuated Vaccines. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5478.	1.8	33
23	Quantifying membrane protein oligomerization with fluorescence cross-correlation spectroscopy. <i>Methods</i> , 2018, 140-141, 40-51.	1.9	31
24	Pathogenicity and immunogenicity of attenuated porcine epidemic diarrhea virus PC22A strain in conventional weaned pigs. <i>BMC Veterinary Research</i> , 2019, 15, 26.	0.7	30
25	GTPase-activating protein-binding protein 1 (G3BP1) plays an antiviral role against porcine epidemic diarrhea virus. <i>Veterinary Microbiology</i> , 2019, 236, 108392.	0.8	24
26	New variants of porcine epidemic diarrhea virus with large deletions in the spike protein, identified in the United States, 2016-2017. <i>Archives of Virology</i> , 2018, 163, 2485-2489.	0.9	21
27	The enhanced replication of an S-intact PEDV during coinfection with an S1 NTD-del PEDV in piglets. <i>Veterinary Microbiology</i> , 2019, 228, 202-212.	0.8	17
28	Crucial mutation in the exoribonuclease domain of nsp14 of PEDV leads to high genetic instability during viral replication. <i>Cell and Bioscience</i> , 2021, 11, 106.	2.1	17
29	Genomewide CRISPR knockout screen identified PLAC8 as an essential factor for SARS-CoVs infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2118126119.	3.3	17
30	Human Norovirus Histo-Blood Group Antigen (HBGA) Binding Sites Mediate the Virus Specific Interactions with Lettuce Carbohydrates. <i>Viruses</i> , 2019, 11, 833.	1.5	12
31	Complete Genome of Transmissible Gastroenteritis Virus AYU Strain Isolated in Shanghai, China. <i>Journal of Virology</i> , 2012, 86, 11935-11935.	1.5	10
32	Chimeric Porcine Deltacoronaviruses with Sparrow Coronavirus Spike Protein or the Receptor-Binding Domain Infect Pigs but Lose Virulence and Intestinal Tropism. <i>Viruses</i> , 2021, 13, 122.	1.5	10
33	Critical ACE2 Determinants of SARS-CoV-2 and Group 2B Coronavirus Infection and Replication. <i>MBio</i> , 2021, 12, .	1.8	8
34	Ethnoracial Disparities in SARS-CoV-2 Seroprevalence in a Large Cohort of Individuals in Central North Carolina from April to December 2020. <i>MSphere</i> , 2022, 7, e0084121.	1.3	6