Yu Chen

List of Publications by Citations

60 papers	6,338 citations	29 h-index	68 g-index
68 ext. papers	8,258 ext. citations	11.2 avg, IF	6.98 L-index

#	Paper	IF	Citations
60	Emerging coronaviruses: Genome structure, replication, and pathogenesis. *Journal of Medical Virology*, **2020**, 92, 418-423	19.7	1652
59	Aerodynamic analysis of SARS-CoV-2 in two Wuhan hospitals. *Nature*, **2020**, 582, 557-560	50.4	1007
58	Transcriptomic characteristics of bronchoalveolar lavage fluid and peripheral blood mononuclear cells in COVID-19 patients. *Emerging Microbes and Infections*, **2020**, 9, 761-770	18.9	671
57	RNA based mNGS approach identifies a novel human coronavirus from two individual pneumonia cases in 2019 Wuhan outbreak. *Emerging Microbes and Infections*, **2020**, 9, 313-319	18.9	337
56	Functional screen reveals SARS coronavirus nonstructural protein nsp14 as a novel cap N7 methyltransferase. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 3484-9	11.5	266
55	Biochemical and structural insights into the mechanisms of SARS coronavirus RNA ribose 2'-O-methylation by nsp16/nsp10 protein complex. *PLoS Pathogens*, **2011**, 7, e1002294	7.6	214
54	ddPCR: a more accurate tool for SARS-CoV-2 detection in low viral load specimens. *Emerging Microbes and Infections*, **2020**, 9, 1259-1268	18.9	206
53	Identification of novel subgenomic RNAs and noncanonical transcription initiation signals of severe acute respiratory syndrome coronavirus. *Journal of Virology*, **2005**, 79, 5288-95	6.6	171
52	Genome editing of CXCR4 by CRISPR/cas9 confers cells resistant to HIV-1 infection. *Scientific Reports*, **2015**, 5, 15577	4.9	139
51	The Nucleocapsid Protein of Coronaviruses Acts as a Viral Suppressor of RNA Silencing in Mammalian Cells. *Journal of Virology*, **2015**, 89, 9029-43	6.6	112
50	Molecular mechanisms of coronavirus RNA capping and methylation. *Virologica Sinica*, **2016**, 31, 3-11	6.4	110
49	Inhibition of hepatitis B virus by the CRISPR/Cas9 system via targeting the conserved regions of the viral genome. *Journal of General Virology*, **2015**, 96, 2252-2261	4.9	108
48	Coronavirus nsp10/nsp16 Methyltransferase Can Be Targeted by nsp10-Derived Peptide In Vitro and In Vivo To Reduce Replication and Pathogenesis. *Journal of Virology*, **2015**, 89, 8416-27	6.6	107
47	The tumor suppressor PTEN has a critical role in antiviral innate immunity. *Nature Immunology*, **2016**, 17, 241-9	19.1	105
46	Aerodynamic Characteristics and RNA Concentration of SARS-CoV-2 Aerosol in Wuhan Hospitals during COVID-19 Outbreak		97
45	Cryo-EM Structure of an Extended SARS-CoV-2 Replication and Transcription Complex Reveals an Intermediate State in Cap Synthesis. *Cell*, **2021**, 184, 184-193.e10	56.2	82
44	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	7.2	66

43	Coinfection with influenza A virus enhances SARS-CoV-2 infectivity. *Cell Research*, **2021**, 31, 395-403	24.7	63
42	Analytical comparisons of SARS-COV-2 detection by qRT-PCR and ddPCR with multiple primer/probe sets. *Emerging Microbes and Infections*, **2020**, 9, 1175-1179	18.9	61
41	Structure-function analysis of severe acute respiratory syndrome coronavirus RNA cap guanine-N7-methyltransferase. *Journal of Virology*, **2013**, 87, 6296-305	6.6	56
40	Electron microscopy studies of the coronavirus ribonucleoprotein complex. *Protein and Cell*, **2017**, 8, 219-224	7.2	47
39	Short peptides derived from the interaction domain of SARS coronavirus nonstructural protein nsp10 can suppress the 2'-O-methyltransferase activity of nsp10/nsp16 complex. *Virus Research*, **2012**, 167, 322-8	6.4	46
38	Multi-route transmission potential of SARS-CoV-2 in healthcare facilities. *Journal of Hazardous Materials*, **2021**, 402, 123771	12.8	44
37	Distinct mechanisms for TMPRSS2 expression explain organ-specific inhibition of SARS-CoV-2 infection by enzalutamide. *Nature Communications*, **2021**, 12, 866	17.4	40
36	Characterization of the guanine-N7 methyltransferase activity of coronavirus nsp14 on nucleotide GTP. *Virus Research*, **2013**, 176, 45-52	6.4	39
35	A Genome-Wide CRISPR Screen Identifies Genes Critical for Resistance to FLT3 Inhibitor AC220. *Cancer Research*, **2017**, 77, 4402-4413	10.1	37
34	Yeast-based assays for the high-throughput screening of inhibitors of coronavirus RNA cap guanine-N7-methyltransferase. *Antiviral Research*, **2014**, 104, 156-64	10.8	32
33	ACE2 receptor usage reveals variation in susceptibility to SARS-CoV and SARS-CoV-2 infection among bat species. *Nature Ecology and Evolution*, **2021**, 5, 600-608	12.3	30
32	Prediction and biochemical analysis of putative cleavage sites of the 3C-like protease of Middle East respiratory syndrome coronavirus. *Virus Research*, **2015**, 208, 56-65	6.4	28
31	The SARS-CoV-2 subgenome landscape and its novel regulatory features. *Molecular Cell*, **2021**, 81, 2135-2147.e5	17.7	25
30	Inhibition of hepatitis B virus gene expression and replication by hepatocyte nuclear factor 6. *Journal of Virology*, **2015**, 89, 4345-55	6.6	24
29	ddPCR: a more sensitive and accurate tool for SARS-CoV-2 detection in low viral load specimens		18
28	The DEAD-Box RNA Helicase DDX3 Interacts with NF-B Subunit p65 and Suppresses p65-Mediated Transcription. *PLoS ONE*, **2016**, 11, e0164471	3.7	17
27	Identification and Characterization of a Ribose 2'-O-Methyltransferase Encoded by the Ronivirus Branch of Nidovirales. *Journal of Virology*, **2016**, 90, 6675-6685	6.6	16
26	P200 family protein IFI204 negatively regulates type I interferon responses by targeting IRF7 in nucleus. *PLoS Pathogens*, **2019**, 15, e1008079	7.6	16

25	Severe acute respiratory syndrome coronavirus protein 6 mediates ubiquitin-dependent proteosomal degradation of N-Myc (and STAT) interactor. *Virologica Sinica*, **2015**, 30, 153-61	6.4	16
24	The N-terminal ubiquitin-associated domain of Cezanne is crucial for its function to suppress NF-B pathway. *Journal of Cellular Biochemistry*, **2018**, 119, 1979-1991	4.7	12
23	Immune regulator ABIN1 suppresses HIV-1 transcription by negatively regulating the ubiquitination of Tat. *Retrovirology*, **2017**, 14, 12	3.6	11
22	PTEN-L promotes type I interferon responses and antiviral immunity. *Cellular and Molecular Immunology*, **2018**, 15, 48-57	15.4	10
21	VHL negatively regulates SARS coronavirus replication by modulating nsp16 ubiquitination and stability. *Biochemical and Biophysical Research Communications*, **2015**, 459, 270-276	3.4	8
20	Ubiquitin ligase Fbw7 restricts the replication of hepatitis C virus by targeting NS5B for ubiquitination and degradation. *Biochemical and Biophysical Research Communications*, **2016**, 470, 697-703	3.4	8
19	N7-Methylation of the Coronavirus RNA Cap Is Required for Maximal Virulence by Preventing Innate Immune Recognition.. *MBio*, **2022**, e0366221	7.8	8
18	Inhibition of Hepatitis B Virus by AAV8-Derived CRISPR/SaCas9 Expressed From Liver-Specific Promoters. *Frontiers in Microbiology*, **2021**, 12, 665184	5.7	8
17	Clinical characterization and risk factors associated with cytokine release syndrome induced by COVID-19 and chimeric antigen receptor T-cell therapy. *Bone Marrow Transplantation*, **2021**, 56, 570-580	4.4	8
16	An unconventional role of an ASB family protein in NF-B activation and inflammatory response during microbial infection and colitis. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	8
15	Live attenuated coronavirus vaccines deficient in N7-Methyltransferase activity induce both humoral and cellular immune responses in mice. *Emerging Microbes and Infections*, **2021**, 10, 1626-1637	18.9	8
14	Drastic decline in sera neutralization against SARS-CoV-2 Omicron variant in Wuhan COVID-19 convalescents.. *Emerging Microbes and Infections*, **2022**, 1-17	18.9	7
13	The Functional and Antiviral Activity of Interferon Alpha-Inducible IFI6 Against Hepatitis B Virus Replication and Gene Expression. *Frontiers in Immunology*, **2021**, 12, 634937	8.4	7
12	Antibody neutralization to SARS-CoV-2 and variants after one year in Wuhan, China. *Innovation(China)*, **2021**, 100181	17.8	5
11	Distinct mechanisms for TMPRSS2 expression explain organ-specific inhibition of SARS-CoV-2 infection by enzalutamide		4
10	The RNA Capping Enzyme Domain in Protein A is Essential for Flock House Virus Replication. *Viruses* , **2018**, 10,	6.2	4
9	AMIGO2 modulates T cell functions and its deficiency in mice ameliorates experimental autoimmune encephalomyelitis. *Brain, Behavior, and Immunity*, **2017**, 62, 110-123	16.6	3
8	Close relatives of MERS-CoV in bats use ACE2 as their functional receptors		3

7	Many bat species are not potential hosts of SARS-CoV and SARS-CoV-2: Evidence from ACE2 receptor usage		3
6	Emerging SARS-CoV-2 variants: why, how, and what next? **2022**, 100029		3
5	Reviving chloroquine for anti-SARS-CoV-2 treatment with cucurbit[7]uril-based supramolecular formulation. *Chinese Chemical Letters*, **2021**, 32, 3019-3022	8.1	2
4	Antibody neutralization to SARS-CoV-2 and variants after one year in Wuhan		1
3	Assessment of the Diagnostic Ability of Four Detection Methods Using Three Sample Types of COVID-19 Patients. *Frontiers in Cellular and Infection Microbiology*, **2021**, 11, 685640	5.9	0
2	B-Cell-Epitope-Based Fluorescent Quantum Dot Biosensors for SARS-CoV-2 Enable Highly Sensitive COVID-19 Antibody Detection. *Viruses*, **2022**, 14, 1031	6.2	0
1	Clinical and immunological characteristics in COVID-19 convalescent patients. *European Journal of Clinical Microbiology and Infectious Diseases*, **2021**, 40, 2669-2676	5.3	