

Yu Chen

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

9,640
citations

147566

31
h-index

161609

54
g-index

68
all docs

68
docs citations

68
times ranked

17922
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging coronaviruses: Genome structure, replication, and pathogenesis. <i>Journal of Medical Virology</i> , 2020, 92, 418-423.	2.5	2,439
2	Aerodynamic analysis of SARS-CoV-2 in two Wuhan hospitals. <i>Nature</i> , 2020, 582, 557-560.	13.7	1,517
3	Transcriptomic characteristics of bronchoalveolar lavage fluid and peripheral blood mononuclear cells in COVID-19 patients. <i>Emerging Microbes and Infections</i> , 2020, 9, 761-770.	3.0	994
4	RNA based mNGS approach identifies a novel human coronavirus from two individual pneumonia cases in 2019 Wuhan outbreak. <i>Emerging Microbes and Infections</i> , 2020, 9, 313-319.	3.0	471
5	Functional screen reveals SARS coronavirus nonstructural protein nsp14 as a novel cap N7 methyltransferase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 3484-3489.	3.3	376
6	ddPCR: a more accurate tool for SARS-CoV-2 detection in low viral load specimens. <i>Emerging Microbes and Infections</i> , 2020, 9, 1259-1268.	3.0	333
7	Biochemical and Structural Insights into the Mechanisms of SARS Coronavirus RNA Ribose 2'-O-Methylation by nsp16/nsp10 Protein Complex. <i>PLoS Pathogens</i> , 2011, 7, e1002294.	2.1	287
8	Identification of Novel Subgenomic RNAs and Noncanonical Transcription Initiation Signals of Severe Acute Respiratory Syndrome Coronavirus. <i>Journal of Virology</i> , 2005, 79, 5288-5295.	1.5	217
9	Cryo-EM Structure of an Extended SARS-CoV-2 Replication and Transcription Complex Reveals an Intermediate State in Cap Synthesis. <i>Cell</i> , 2021, 184, 184-193.e10.	13.5	201
10	Genome editing of CXCR4 by CRISPR/cas9 confers cells resistant to HIV-1 infection. <i>Scientific Reports</i> , 2015, 5, 15577.	1.6	172
11	Coinfection with influenza A virus enhances SARS-CoV-2 infectivity. <i>Cell Research</i> , 2021, 31, 395-403.	5.7	164
12	Molecular mechanisms of coronavirus RNA capping and methylation. <i>Virologica Sinica</i> , 2016, 31, 3-11.	1.2	162
13	The Nucleocapsid Protein of Coronaviruses Acts as a Viral Suppressor of RNA Silencing in Mammalian Cells. <i>Journal of Virology</i> , 2015, 89, 9029-9043.	1.5	148
14	Coronavirus nsp10/nsp16 Methyltransferase Can Be Targeted by nsp10-Derived Peptide <i>In Vitro</i> and <i>In Vivo</i> To Reduce Replication and Pathogenesis. <i>Journal of Virology</i> , 2015, 89, 8416-8427.	1.5	138
15	The tumor suppressor PTEN has a critical role in antiviral innate immunity. <i>Nature Immunology</i> , 2016, 17, 241-249.	7.0	138
16	Inhibition of hepatitis B virus by the CRISPR/Cas9 system via targeting the conserved regions of the viral genome. <i>Journal of General Virology</i> , 2015, 96, 2252-2261.	1.3	132
17	Novel and potent inhibitors targeting DHODH are broad-spectrum antivirals against RNA viruses including newly-emerged coronavirus SARS-CoV-2. <i>Protein and Cell</i> , 2020, 11, 723-739.	4.8	129
18	Analytical comparisons of SARS-COV-2 detection by qRT-PCR and ddPCR with multiple primer/probe sets. <i>Emerging Microbes and Infections</i> , 2020, 9, 1175-1179.	3.0	116

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19	ACE2 receptor usage reveals variation in susceptibility to SARS-CoV and SARS-CoV-2 infection among bat species. <i>Nature Ecology and Evolution</i> , 2021, 5, 600-608.	3.4	83
20	Structure-Function Analysis of Severe Acute Respiratory Syndrome Coronavirus RNA Cap Guanine-N7-Methyltransferase. <i>Journal of Virology</i> , 2013, 87, 6296-6305.	1.5	73
21	Distinct mechanisms for TMPRSS2 expression explain organ-specific inhibition of SARS-CoV-2 infection by enzalutamide. <i>Nature Communications</i> , 2021, 12, 866.	5.8	73
22	Multi-route transmission potential of SARS-CoV-2 in healthcare facilities. <i>Journal of Hazardous Materials</i> , 2021, 402, 123771.	6.5	72
23	The SARS-CoV-2 subgenome landscape and its novel regulatory features. <i>Molecular Cell</i> , 2021, 81, 2135-2147.e5.	4.5	72
24	Short peptides derived from the interaction domain of SARS coronavirus nonstructural protein nsp10 can suppress the 2'-O-methyltransferase activity of nsp10/nsp16 complex. <i>Virus Research</i> , 2012, 167, 322-328.	1.1	66
25	A Genome-Wide CRISPR Screen Identifies Genes Critical for Resistance to FLT3 Inhibitor AC220. <i>Cancer Research</i> , 2017, 77, 4402-4413.	0.4	66
26	Electron microscopy studies of the coronavirus ribonucleoprotein complex. <i>Protein and Cell</i> , 2017, 8, 219-224.	4.8	62
27	Characterization of the guanine-N7 methyltransferase activity of coronavirus nsp14 on nucleotide GTP. <i>Virus Research</i> , 2013, 176, 45-52.	1.1	58
28	Prediction and biochemical analysis of putative cleavage sites of the 3C-like protease of Middle East respiratory syndrome coronavirus. <i>Virus Research</i> , 2015, 208, 56-65.	1.1	39
29	Drastic decline in sera neutralization against SARS-CoV-2 Omicron variant in Wuhan COVID-19 convalescents. <i>Emerging Microbes and Infections</i> , 2022, 11, 567-572.	3.0	39
30	Yeast-based assays for the high-throughput screening of inhibitors of coronavirus RNA cap guanine-N7-methyltransferase. <i>Antiviral Research</i> , 2014, 104, 156-164.	1.9	36
31	The Functional and Antiviral Activity of Interferon Alpha-Inducible IFI6 Against Hepatitis B Virus Replication and Gene Expression. <i>Frontiers in Immunology</i> , 2021, 12, 634937.	2.2	32
32	Inhibition of Hepatitis B Virus Gene Expression and Replication by Hepatocyte Nuclear Factor 6. <i>Journal of Virology</i> , 2015, 89, 4345-4355.	1.5	30
33	The DEAD-Box RNA Helicase DDX3 Interacts with NF- κ B Subunit p65 and Suppresses p65-Mediated Transcription. <i>PLoS ONE</i> , 2016, 11, e0164471.	1.1	28
34	N7-Methylation of the Coronavirus RNA Cap Is Required for Maximal Virulence by Preventing Innate Immune Recognition. <i>MBio</i> , 2022, 13, e0366221.	1.8	27
35	Emerging SARS-CoV-2 variants: Why, how, and what's next?., 2022, 1, 100029.		26
36	Clinical characterization and risk factors associated with cytokine release syndrome induced by COVID-19 and chimeric antigen receptor T-cell therapy. <i>Bone Marrow Transplantation</i> , 2021, 56, 570-580.	1.3	25

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37	P200 family protein IFI204 negatively regulates type I interferon responses by targeting IRF7 in nucleus. <i>PLoS Pathogens</i> , 2019, 15, e1008079.	2.1	23
38	Severe acute respiratory syndrome coronavirus protein 6 mediates ubiquitin-dependent proteosomal degradation of N-Myc (and STAT) interactor. <i>Virologica Sinica</i> , 2015, 30, 153-161.	1.2	22
39	Identification and Characterization of a Ribose 2'-O-Methyltransferase Encoded by the Ronivirus Branch of Nidovirales. <i>Journal of Virology</i> , 2016, 90, 6675-6685.	1.5	22
40	Inhibition of Hepatitis B Virus by AAV8-Derived CRISPR/SaCas9 Expressed From Liver-Specific Promoters. <i>Frontiers in Microbiology</i> , 2021, 12, 665184.	1.5	20
41	Live attenuated coronavirus vaccines deficient in N7-Methyltransferase activity induce both humoral and cellular immune responses in mice. <i>Emerging Microbes and Infections</i> , 2021, 10, 1626-1637.	3.0	17
42	Reviving chloroquine for anti-SARS-CoV-2 treatment with cucurbit[7]uril-based supramolecular formulation. <i>Chinese Chemical Letters</i> , 2021, 32, 3019-3022.	4.8	17
43	PTEN-L promotes type I interferon responses and antiviral immunity. <i>Cellular and Molecular Immunology</i> , 2018, 15, 48-57.	4.8	15
44	The N-terminal ubiquitin-associated domain of Cezanne is crucial for its function to suppress NF- κ B pathway. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 1979-1991.	1.2	14
45	An unconventional role of an ASB family protein in NF- κ B activation and inflammatory response during microbial infection and colitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2015416118.	3.3	14
46	Ubiquitin ligase Fbw7 restricts the replication of hepatitis C virus by targeting NS5B for ubiquitination and degradation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 470, 697-703.	1.0	13
47	VHL negatively regulates SARS coronavirus replication by modulating nsp16 ubiquitination and stability. <i>Biochemical and Biophysical Research Communications</i> , 2015, 459, 270-276.	1.0	12
48	Immune regulator ABIN1 suppresses HIV-1 transcription by negatively regulating the ubiquitination of Tat. <i>Retrovirology</i> , 2017, 14, 12.	0.9	12
49	The RNA Capping Enzyme Domain in Protein A is Essential for Flock House Virus Replication. <i>Viruses</i> , 2018, 10, 483.	1.5	9
50	Antibody neutralization to SARS-CoV-2 and variants after 1 year in Wuhan, China. <i>Innovation(China)</i> , 2022, 3, 100181.	5.2	8
51	B-Cell-Epitope-Based Fluorescent Quantum Dot Biosensors for SARS-CoV-2 Enable Highly Sensitive COVID-19 Antibody Detection. <i>Viruses</i> , 2022, 14, 1031.	1.5	7
52	AMIGO2 modulates T cell functions and its deficiency in mice ameliorates experimental autoimmune encephalomyelitis. <i>Brain, Behavior, and Immunity</i> , 2017, 62, 110-123.	2.0	6
53	Assessment of the Diagnostic Ability of Four Detection Methods Using Three Sample Types of COVID-19 Patients. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 685640.	1.8	6
54	Human adenoviruses: A suspect behind the outbreak of acute hepatitis in children amid the COVID-19 pandemic. , 2022, 1, 100043.		3

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55	Clinical and immunological characteristics in COVID-19 convalescent patients. European Journal of Clinical Microbiology and Infectious Diseases, 2021, 40, 2669-2676.	1.3	1
56	Biochemical Assays for MTase Activity. Bio-protocol, 2014, 4, .	0.2	0