

Ai-Long Huang

List of Publications by Year in descending order

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83
papers

9,082
citations

136740

32
h-index

62479

80
g-index

101
all docs

101
docs citations

101
times ranked

19478
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibody responses to SARS-CoV-2 in patients with COVID-19. <i>Nature Medicine</i> , 2020, 26, 845-848.	15.2	2,542
2	Clinical and immunological assessment of asymptomatic SARS-CoV-2 infections. <i>Nature Medicine</i> , 2020, 26, 1200-1204.	15.2	2,499
3	Seroprevalence of immunoglobulin M and G antibodies against SARS-CoV-2 in China. <i>Nature Medicine</i> , 2020, 26, 1193-1195.	15.2	352
4	Sirtuin 1 Is Upregulated in a Subset of Hepatocellular Carcinomas where It Is Essential for Telomere Maintenance and Tumor Cell Growth. <i>Cancer Research</i> , 2011, 71, 4138-4149.	0.4	189
5	SIRT2 overexpression in hepatocellular carcinoma mediates epithelial to mesenchymal transition by protein kinase B/glycogen synthase kinase-3 β / β -catenin signaling. <i>Hepatology</i> , 2013, 57, 2287-2298.	3.6	179
6	Longitudinal Dynamics of the Neutralizing Antibody Response to Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infection. <i>Clinical Infectious Diseases</i> , 2021, 73, e531-e539.	2.9	177
7	Increased immune escape of the new SARS-CoV-2 variant of concern Omicron. <i>Cellular and Molecular Immunology</i> , 2022, 19, 293-295.	4.8	175
8	Integrated cytokine and metabolite analysis reveals immunometabolic reprogramming in COVID-19 patients with therapeutic implications. <i>Nature Communications</i> , 2021, 12, 1618.	5.8	168
9	GSTZ1 sensitizes hepatocellular carcinoma cells to sorafenib-induced ferroptosis via inhibition of NRF2/GPX4 axis. <i>Cell Death and Disease</i> , 2021, 12, 426.	2.7	152
10	A Peptide-Based Magnetic Chemiluminescence Enzyme Immunoassay for Serological Diagnosis of Coronavirus Disease 2019. <i>Journal of Infectious Diseases</i> , 2020, 222, 189-193.	1.9	146
11	MicroRNAs-372/373 promote the expression of hepatitis B virus through the targeting of nuclear factor I/B. <i>Hepatology</i> , 2011, 54, 808-819.	3.6	109
12	Sirtuin 1 Regulates Hepatitis B Virus Transcription and Replication by Targeting Transcription Factor AP-1. <i>Journal of Virology</i> , 2014, 88, 2442-2451.	1.5	97
13	SIRT6 Overexpression Potentiates Apoptosis Evasion in Hepatocellular Carcinoma via BCL2-Associated X Protein-Dependent Apoptotic Pathway. <i>Clinical Cancer Research</i> , 2016, 22, 3372-3382.	3.2	96
14	Fullerene-doped polyaniline as new redox nanoprobe and catalyst in electrochemical aptasensor for ultrasensitive detection of Mycobacterium tuberculosis MPT64 antigen in human serum. <i>Biomaterials</i> , 2017, 133, 11-19.	5.7	96
15	Emerging SARS-CoV-2 variants reduce neutralization sensitivity to convalescent sera and monoclonal antibodies. <i>Cellular and Molecular Immunology</i> , 2021, 18, 1061-1063.	4.8	94
16	The role of host DNA ligases in hepadnavirus covalently closed circular DNA formation. <i>PLoS Pathogens</i> , 2017, 13, e1006784.	2.1	85
17	Development of cell-based pseudovirus entry assay to identify potential viral entry inhibitors and neutralizing antibodies against SARS-CoV-2. <i>Genes and Diseases</i> , 2020, 7, 551-557.	1.5	85
18	Dicoumarol, an NQO1 inhibitor, blocks cccDNA transcription by promoting degradation of HBx. <i>Journal of Hepatology</i> , 2021, 74, 522-534.	1.8	75

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19	SLC27A5 deficiency activates NRF2/TXNRD1 pathway by increased lipid peroxidation in HCC. <i>Cell Death and Differentiation</i> , 2020, 27, 1086-1104.	5.0	69
20	PBK overexpression promotes metastasis of hepatocellular carcinoma via activating ETV4-uPAR signaling pathway. <i>Cancer Letters</i> , 2019, 452, 90-102.	3.2	67
21	The clinical and immunological features of pediatric COVID-19 patients in China. <i>Genes and Diseases</i> , 2020, 7, 535-541.	1.5	67
22	SIRT3 restricts hepatitis B virus transcription and replication through epigenetic regulation of covalently closed circular DNA involving suppressor of variegation 3' homolog 1 and SET domain containing 1A histone methyltransferases. <i>Hepatology</i> , 2018, 68, 1260-1276.	3.6	60
23	Effective control of SARS-CoV-2 transmission in Wanzhou, China. <i>Nature Medicine</i> , 2021, 27, 86-93.	15.2	60
24	BMP9-induced osteoblastic differentiation requires functional Notch signaling in mesenchymal stem cells. <i>Laboratory Investigation</i> , 2019, 99, 58-71.	1.7	57
25	Identification of bis-benzylisoquinoline alkaloids as SARS-CoV-2 entry inhibitors from a library of natural products. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 131.	7.1	52
26	PCK1 negatively regulates cell cycle progression and hepatoma cell proliferation via the AMPK/p27Kip1 axis. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 50.	3.5	51
27	Gluconeogenic enzyme PCK1 deficiency promotes CHK2 O-GlcNAcylation and hepatocellular carcinoma growth upon glucose deprivation. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	51
28	Protective Role of Sirtuin3 (SIRT3) in Oxidative Stress Mediated by Hepatitis B Virus X Protein Expression. <i>PLoS ONE</i> , 2016, 11, e0150961.	1.1	47
29	Structures of Omicron spike complexes and implications for neutralizing antibody development. <i>Cell Reports</i> , 2022, 39, 110770.	2.9	47
30	Characterization of SARS-CoV-2-specific humoral immunity and its potential applications and therapeutic prospects. <i>Cellular and Molecular Immunology</i> , 2022, 19, 150-157.	4.8	43
31	Mutation Y453F in the spike protein of SARS-CoV-2 enhances interaction with the mink ACE2 receptor for host adaption. <i>PLoS Pathogens</i> , 2021, 17, e1010053.	2.1	43
32	Sirtuin 3 enhanced drug sensitivity of human hepatoma cells through glutathione S-transferase pi 1/JNK signaling pathway. <i>Oncotarget</i> , 2016, 7, 50117-50130.	0.8	42
33	Potent SARS-CoV-2 neutralizing antibodies with protective efficacy against newly emerged mutational variants. <i>Nature Communications</i> , 2021, 12, 6304.	5.8	42
34	<sc>GSTZ</sc> 1 Deficiency Activates <sc>NRF</sc> 2/ <sc>IGF</sc> 1R Axis in <sc>HCC</sc> via Accumulation of Oncometabolite Succinylacetone. <i>EMBO Journal</i> , 2019, 38, e101964.	3.5	37
35	The SIRT1 inhibitor, nicotinamide, inhibits hepatitis B virus replication in vitro and in vivo. <i>Archives of Virology</i> , 2016, 161, 621-630.	0.9	35
36	APOBEC3B edits HBV DNA and inhibits HBV replication during reverse transcription. <i>Antiviral Research</i> , 2018, 149, 16-25.	1.9	35

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37	NQO1 potentiates apoptosis evasion and upregulates XIAP via inhibiting proteasome-mediated degradation SIRT6 in hepatocellular carcinoma. <i>Cell Communication and Signaling</i> , 2019, 17, 168.	2.7	35
38	Immune memory in convalescent patients with asymptomatic or mild COVID-19. <i>Cell Discovery</i> , 2021, 7, 18.	3.1	35
39	Hexosamine biosynthetic pathway promotes the antiviral activity of SAMHD1 by enhancing O-GlcNAc transferase-mediated protein O-GlcNAcylation. <i>Theranostics</i> , 2021, 11, 805-823.	4.6	34
40	Patients with SARS-CoV-2 and HBV co-infection are at risk of greater liver injury. <i>Genes and Diseases</i> , 2021, 8, 484-492.	1.5	34
41	DDX17-regulated alternative splicing that produced an oncogenic isoform of PDXN to promote HCC metastasis. <i>Hepatology</i> , 2022, 75, 847-865.	3.6	34
42	Cisplatin induces autophagy to enhance hepatitis B virus replication via activation of ROS/JNK and inhibition of the Akt/mTOR pathway. <i>Free Radical Biology and Medicine</i> , 2019, 131, 225-236.	1.3	31
43	Comparison of depression and anxiety between HIV-negative men who have sex with men and women (MSMW) and men who have sex with men only (MSMO): a cross-sectional study in Western China. <i>BMJ Open</i> , 2019, 9, e023498.	0.8	31
44	Deacetylation of Ku70 by SIRT6 attenuates Bax-mediated apoptosis in hepatocellular carcinoma. <i>Biochemical and Biophysical Research Communications</i> , 2017, 485, 713-719.	1.0	30
45	A Functional Variant in Ubiquitin Conjugating Enzyme E2 L3 Contributes to Hepatitis B Virus Infection and Maintains Covalently Closed Circular DNA Stability by Inducing Degradation of Apolipoprotein B mRNA Editing Enzyme Catalytic Subunit 3A. <i>Hepatology</i> , 2019, 69, 1885-1902.	3.6	24
46	Association between secondary thrombocytosis and viral respiratory tract infections in children. <i>Scientific Reports</i> , 2016, 6, 22964.	1.6	23
47	LncRNA HOTAIR modulates hepatitis B virus transcription and replication by enhancing SP1 transcription factor. <i>Clinical Science</i> , 2020, 134, 3007-3022.	1.8	23
48	MicroRNA-581 promotes hepatitis B virus surface antigen expression by targeting Dicer and EDEM1. <i>Carcinogenesis</i> , 2014, 35, 2127-2133.	1.3	22
49	SIRT6 Inhibitor, OSS_128167 Restricts Hepatitis B Virus Transcription and Replication Through Targeting Transcription Factor Peroxisome Proliferator-Activated Receptors α . <i>Frontiers in Pharmacology</i> , 2019, 10, 1270.	1.6	22
50	Interplay between Cellular Autophagy and Hepatitis B Virus Replication: A Systematic Review. <i>Cells</i> , 2020, 9, 2101.	1.8	22
51	Characterization of SARS-CoV-2 Variants B.1.617.1 (Kappa), B.1.617.2 (Delta), and B.1.618 by Cell Entry and Immune Evasion. <i>MBio</i> , 2022, 13, e0009922.	1.8	22
52	Interleukin-34 inhibits hepatitis B virus replication in vitro and in vivo. <i>PLoS ONE</i> , 2017, 12, e0179605.	1.1	21
53	A Rapid and Efficient Screening System for Neutralizing Antibodies and Its Application for SARS-CoV-2. <i>Frontiers in Immunology</i> , 2021, 12, 653189.	2.2	20
54	SIRT7 restricts HBV transcription and replication through catalyzing desuccinylation of histone H3 associated with cccDNA minichromosome. <i>Clinical Science</i> , 2021, 135, 1505-1522.	1.8	19

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55	Cisplatin Enhances Hepatitis B Virus Replication and PGC-1 β Expression through Endoplasmic Reticulum Stress. <i>Scientific Reports</i> , 2018, 8, 3496.	1.6	18
56	Changes in the humoral immunity response in SARS-CoV-2 convalescent patients over 8 months. <i>Cellular and Molecular Immunology</i> , 2021, 18, 490-491.	4.8	18
57	RNA Interference-Mediated Silencing of the Hsp70 Gene Inhibits Human Gastric Cancer Cell Growth and Induces Apoptosis in Vitro and in Vivo. <i>Tumori</i> , 2008, 94, 539-550.	0.6	17
58	Obatoclox inhibits SARS-CoV-2 entry by altered endosomal acidification and impaired cathepsin and furin activity in vitro. <i>Emerging Microbes and Infections</i> , 2022, 11, 483-497.	3.0	16
59	Niacin analogue, 6-Aminonicotinamide, a novel inhibitor of hepatitis B virus replication and HBsAg production. <i>EBioMedicine</i> , 2019, 49, 232-246.	2.7	15
60	NAD(P)H: Quinone oxidoreductase 1 overexpression in hepatocellular carcinoma potentiates apoptosis evasion through regulating stabilization of X-linked inhibitor of apoptosis protein. <i>Cancer Letters</i> , 2019, 451, 156-167.	3.2	15
61	Associations between perceived barriers and benefits of using HIV pre-exposure prophylaxis and medication adherence among men who have sex with men in Western China. <i>BMC Infectious Diseases</i> , 2018, 18, 575.	1.3	14
62	Cyclin D2 plays a regulatory role in HBV replication. <i>Virology</i> , 2014, 462-463, 149-157.	1.1	13
63	Reduced neutralization of SARS-CoV-2 B.1.617 variant by convalescent and vaccinated sera. <i>Genes and Diseases</i> , 2022, 9, 1290-1300.	1.5	13
64	S-phase arrest after vincristine treatment may promote hepatitis B virus replication. <i>World Journal of Gastroenterology</i> , 2015, 21, 1498.	1.4	9
65	The Cumulative Rate of SARS-CoV-2 Infection in Chinese Hemodialysis Patients. <i>Kidney International Reports</i> , 2020, 5, 1416-1421.	0.4	9
66	Association between KIF1B rs17401966 genetic polymorphism and hepatocellular carcinoma susceptibility: an updated meta-analysis. <i>BMC Medical Genetics</i> , 2019, 20, 59.	2.1	7
67	The prevalence of hepatitis B core antibody in vaccinated Chinese children: A hospital-based study. <i>Vaccine</i> , 2019, 37, 458-463.	1.7	6
68	Humoral responses in naive or SARS-CoV-2 experienced individuals vaccinated with an inactivated vaccine. <i>Cell Discovery</i> , 2021, 7, 68.	3.1	6
69	Clinical features of Chinese children with COVID-19 and other viral respiratory infections. <i>Pediatric Pulmonology</i> , 2022, 57, 49-56.	1.0	6
70	KAT2A Promotes Hepatitis B Virus Transcription and Replication Through Epigenetic Regulation of cccDNA Minichromosome. <i>Frontiers in Microbiology</i> , 2021, 12, 795388.	1.5	5
71	Murine gamma herpes virus 68 infection promotes fatty liver formation and hepatic insulin resistance in C57BL/6J mice. <i>Hepatology International</i> , 2012, 6, 520-530.	1.9	4
72	An improved method for simple and efficient hepatitis B virus genome cloning. <i>Journal of Virological Methods</i> , 2014, 205, 75-80.	1.0	2

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73	Fluorescent protein tagged hepatitis B virus capsid protein with long glycine-serine linker that supports nucleocapsid formation. <i>Journal of Virological Methods</i> , 2018, 255, 52-59.	1.0	2
74	Clinical-features analysis on 926 patients with virological breakthrough in chronic hepatitis B receiving nucleos(t)ide analogues. <i>European Journal of Internal Medicine</i> , 2018, 53, e9-e10.	1.0	2
75	Protein sensors combining both on-and-off model for antibody homogeneous assay. <i>Biosensors and Bioelectronics</i> , 2022, 209, 114226.	5.3	2
76	A novel method for nucleos(t)ide analogues susceptibility assay of hepatitis B virus by viral polymerase transcomplementation. <i>Antiviral Research</i> , 2016, 126, 99-107.	1.9	1
77	Realization of humoral immunity against SARS-CoV-2 infections. <i>Fundamental Research</i> , 2021, 1, 186-188.	1.6	1
78	Distinct quasispecies characteristics and positive selection within the core gene in chronic hepatitis B virus infected child and adult patients. <i>Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji</i> , 2015, 37, 465-72.	0.1	1
79	DNA Engineering and Hepatitis B Virus Replication. <i>Frontiers in Microbiology</i> , 2021, 12, 783040.	1.5	1
80	A novel phenotypic assay of hepatitis B virus polymerase with extensive site-specific mutagenesis. <i>Virologica Sinica</i> , 2017, 32, 167-170.	1.2	0
81	Strategies to improve the fluorescent signal of the tripartite sfGFP system. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 52, 998-1006.	0.9	0
82	Opinion on the Policy of Lifting Restrictions to Entry Under the Circumstance of the COVID-19 Pandemic. <i>Infectious Diseases & Immunity</i> , 2021, Publish Ahead of Print, .	0.2	0
83	Characterization of Specific Humoral Immunity in Asymptomatic SARS-CoV-2 Infection. <i>Infectious Diseases & Immunity</i> , 2021, 1, 153-160.	0.2	0