

# Ai-Long Huang

## List of Publications by Year in descending order

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83  
papers

9,082  
citations

136950

32  
h-index

62596

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.	30.7	2,542
2	Clinical and immunological assessment of asymptomatic SARS-CoV-2 infections. <i>Nature Medicine</i> , 2020, 26, 1200-1204.	30.7	2,499
3	Seroprevalence of immunoglobulin M and G antibodies against SARS-CoV-2 in China. <i>Nature Medicine</i> , 2020, 26, 1193-1195.	30.7	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.	0.9	189
5	SIRT2 overexpression in hepatocellular carcinoma mediates epithelial to mesenchymal transition by protein kinase B/glycogen synthase kinase-3 $\beta$ /I $\chi$ 2-catenin signaling. <i>Hepatology</i> , 2013, 57, 2287-2298.	7.3	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.	5.8	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.	10.5	175
8	Integrated cytokine and metabolite analysis reveals immunometabolic reprogramming in COVID-19 patients with therapeutic implications. <i>Nature Communications</i> , 2021, 12, 1618.	12.8	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.	6.3	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.	4.0	146
11	MicroRNAs-372/373 promote the expression of hepatitis B virus through the targeting of nuclear factor I $\chi$ B. <i>Hepatology</i> , 2011, 54, 808-819.	7.3	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.	3.4	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.	7.0	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.	11.4	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.	10.5	94
16	The role of host DNA ligases in hepadnavirus covalently closed circular DNA formation. <i>PLoS Pathogens</i> , 2017, 13, e1006784.	4.7	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.	3.4	85
18	Dicoumarol, an NQO1 inhibitor, blocks cccDNA transcription by promoting degradation of HBx. <i>Journal of Hepatology</i> , 2021, 74, 522-534.	3.7	75

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19	SLC27A5 deficiency activates NRF2/TXNRD1 pathway by increased lipid peroxidation in HCC. Cell Death and Differentiation, 2020, 27, 1086-1104.	11.2	69
20	PBK overexpression promotes metastasis of hepatocellular carcinoma via activating ETV4-uPAR signaling pathway. Cancer Letters, 2019, 452, 90-102.	7.2	67
21	The clinical and immunological features of pediatric COVID-19 patients in China. Genes and Diseases, 2020, 7, 535-541.	3.4	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. Hepatology, 2018, 68, 1260-1276.	7.3	60
23	Effective control of SARS-CoV-2 transmission in Wanzhou, China. Nature Medicine, 2021, 27, 86-93.	30.7	60
24	BMP9-induced osteoblastic differentiation requires functional Notch signaling in mesenchymal stem cells. Laboratory Investigation, 2019, 99, 58-71.	3.7	57
25	Identification of bis-benzylisoquinoline alkaloids as SARS-CoV-2 entry inhibitors from a library of natural products. Signal Transduction and Targeted Therapy, 2021, 6, 131.	17.1	52
26	PCK1 negatively regulates cell cycle progression and hepatoma cell proliferation via the AMPK/p27Kip1 axis. Journal of Experimental and Clinical Cancer Research, 2019, 38, 50.	8.6	51
27	Gluconeogenic enzyme PCK1 deficiency promotes CHK2 O-GlcNAcylation and hepatocellular carcinoma growth upon glucose deprivation. Journal of Clinical Investigation, 2021, 131, .	8.2	51
28	Protective Role of Sirtuin3 (SIRT3) in Oxidative Stress Mediated by Hepatitis B Virus X Protein Expression. PLoS ONE, 2016, 11, e0150961.	2.5	47
29	Structures of Omicron spike complexes and implications for neutralizing antibody development. Cell Reports, 2022, 39, 110770.	6.4	47
30	Characterization of SARS-CoV-2-specific humoral immunity and its potential applications and therapeutic prospects. Cellular and Molecular Immunology, 2022, 19, 150-157.	10.5	43
31	Mutation Y453F in the spike protein of SARS-CoV-2 enhances interaction with the mink ACE2 receptor for host adaption. PLoS Pathogens, 2021, 17, e1010053.	4.7	43
32	Sirtuin 3 enhanced drug sensitivity of human hepatoma cells through glutathione S-transferase pi 1/JNK signaling pathway. Oncotarget, 2016, 7, 50117-50130.	1.8	42
33	Potent SARS-CoV-2 neutralizing antibodies with protective efficacy against newly emerged mutational variants. Nature Communications, 2021, 12, 6304.	12.8	42
34	<scp>GSTZ</scp> 1 Deficiency Activates <scp>NRF</scp> 2/ <scp>IGF</scp> 1R Axis in <scp>HCC</scp> via Accumulation of Oncometabolite Succinylacetone. EMBO Journal, 2019, 38, e101964.	7.8	37
35	The SIRT1 inhibitor, nicotinamide, inhibits hepatitis B virus replication in vitro and in vivo. Archives of Virology, 2016, 161, 621-630.	2.1	35
36	APOBEC3B edits HBV DNA and inhibits HBV replication during reverse transcription. Antiviral Research, 2018, 149, 16-25.	4.1	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.	6.5	35
38	Immune memory in convalescent patients with asymptomatic or mild COVID-19. <i>Cell Discovery</i> , 2021, 7, 18.	6.7	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.	10.0	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.	3.4	34
41	DDX17-regulated alternative splicing that produced an oncogenic isoform of PNXAS1 to promote HCC metastasis. <i>Hepatology</i> , 2022, 75, 847-865.	7.3	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.	2.9	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.	1.9	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.	2.1	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.	7.3	24
46	Association between secondary thrombocytosis and viral respiratory tract infections in children. <i>Scientific Reports</i> , 2016, 6, 22964.	3.3	23
47	LncRNA HOTAIR modulates hepatitis B virus transcription and replication by enhancing SP1 transcription factor. <i>Clinical Science</i> , 2020, 134, 3007-3022.	4.3	23
48	MicroRNA-581 promotes hepatitis B virus surface antigen expression by targeting Dicer and EDEM1. <i>Carcinogenesis</i> , 2014, 35, 2127-2133.	2.8	22
49	SIRT6 Inhibitor, OSS_128167 Restricts Hepatitis B Virus Transcription and Replication Through Targeting Transcription Factor Peroxisome Proliferator-Activated Receptors $\alpha$ . <i>Frontiers in Pharmacology</i> , 2019, 10, 1270.	3.5	22
50	Interplay between Cellular Autophagy and Hepatitis B Virus Replication: A Systematic Review. <i>Cells</i> , 2020, 9, 2101.	4.1	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.	4.1	22
52	Interleukin-34 inhibits hepatitis B virus replication in vitro and in vivo. <i>PLoS ONE</i> , 2017, 12, e0179605.	2.5	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.	4.8	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.	4.3	19

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55	Cisplatin Enhances Hepatitis B Virus Replication and PGC-1 $\alpha$ Expression through Endoplasmic Reticulum Stress. <i>Scientific Reports</i> , 2018, 8, 3496.	3.3	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.	10.5	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.	1.1	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.	6.5	16
59	Niacin analogue, 6-Aminonicotinamide, a novel inhibitor of hepatitis B virus replication and HBsAg production. <i>EBioMedicine</i> , 2019, 49, 232-246.	6.1	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.	7.2	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.	2.9	14
62	Cyclin D2 plays a regulatory role in HBV replication. <i>Virology</i> , 2014, 462-463, 149-157.	2.4	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.	3.4	13
64	S-phase arrest after vincristine treatment may promote hepatitis B virus replication. <i>World Journal of Gastroenterology</i> , 2015, 21, 1498.	3.3	9
65	The Cumulative Rate of SARS-CoV-2 Infection in Chinese Hemodialysis Patients. <i>Kidney International Reports</i> , 2020, 5, 1416-1421.	0.8	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.	3.8	6
68	Humoral responses in naive or SARS-CoV-2 experienced individuals vaccinated with an inactivated vaccine. <i>Cell Discovery</i> , 2021, 7, 68.	6.7	6
69	Clinical features of Chinese children with COVID-19 and other viral respiratory infections. <i>Pediatric Pulmonology</i> , 2022, 57, 49-56.	2.0	6
70	KAT2A Promotes Hepatitis B Virus Transcription and Replication Through Epigenetic Regulation of cccDNA Minichromosome. <i>Frontiers in Microbiology</i> , 2021, 12, 795388.	3.5	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.	4.2	4
72	An improved method for simple and efficient hepatitis B virus genome cloning. <i>Journal of Virological Methods</i> , 2014, 205, 75-80.	2.1	2

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73	Fluorescent protein tagged hepatitis B virus capsid protein with long glycine-serine linker that supports nucleocapsid formation. Journal of Virological Methods, 2018, 255, 52-59.	2.1	2
74	Clinical-features analysis on 926 patients with virological breakthrough in chronic hepatitis B receiving nucleos(t)ide analogues. European Journal of Internal Medicine, 2018, 53, e9-e10.	2.2	2
75	Protein sensors combining both on-and-off model for antibody homogeneous assay. Biosensors and Bioelectronics, 2022, 209, 114226.	10.1	2
76	A novel method for nucleos(t)ide analogues susceptibility assay of hepatitis B virus by viral polymerase transcomplementation. Antiviral Research, 2016, 126, 99-107.	4.1	1
77	Realization of humoral immunity against SARS-CoV-2 infections. Fundamental Research, 2021, 1, 186-188.	3.3	1
78	Distinct quasispecies characteristics and positive selection within the core gene in chronic hepatitis B virus infected child and adult patients. Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji, 2015, 37, 465-72.	0.2	1
79	DNA Engineering and Hepatitis B Virus Replication. Frontiers in Microbiology, 2021, 12, 783040.	3.5	1
80	A novel phenotypic assay of hepatitis B virus polymerase with extensive site-specific mutagenesis. Virologica Sinica, 2017, 32, 167-170.	3.0	0
81	Strategies to improve the fluorescent signal of the tripartite sfGFP system. Acta Biochimica Et Biophysica Sinica, 2020, 52, 998-1006.	2.0	0
82	Opinion on the Policy of Lifting Restrictions to Entry Under the Circumstance of the COVID-19 Pandemic. Infectious Diseases & Immunity, 2021, Publish Ahead of Print, .	0.6	0
83	Characterization of Specific Humoral Immunity in Asymptomatic SARS-CoV-2 Infection. Infectious Diseases & Immunity, 2021, 1, 153-160.	0.6	0