

Ailong Huang

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

2,968
citations

172457

29
h-index

206112

48
g-index

105
all docs

105
docs citations

105
times ranked

5259
citing authors

#	ARTICLE	IF	CITATIONS
1	Seroprevalence of immunoglobulin M and G antibodies against SARS-CoV-2 in China. <i>Nature Medicine</i> , 2020, 26, 1193-1195.	30.7	352
2	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
3	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
4	Fullerene-doped polyaniline as new redox nanoprobe and catalyst in electrochemical aptasensor for ultrasensitive detection of <i>Mycobacterium tuberculosis</i> MPT64 antigen in human serum. <i>Biomaterials</i> , 2017, 133, 11-19.	11.4	96
5	Long noncoding RNA MIR31HG inhibits hepatocellular carcinoma proliferation and metastasis by sponging microRNA-575 to modulate ST7L expression. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 214.	8.6	94
6	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
7	Noncanonical Wnt signaling plays an important role in modulating canonical Wnt-regulated stemness, proliferation and terminal differentiation of hepatic progenitors. <i>Oncotarget</i> , 2017, 8, 27105-27119.	1.8	79
8	SLC27A5 deficiency activates NRF2/TXNRD1 pathway by increased lipid peroxidation in HCC. <i>Cell Death and Differentiation</i> , 2020, 27, 1086-1104.	11.2	69
9	Long non-coding RNA (lncRNA) H19 induces hepatic steatosis through activating MLXIPL and mTORC1 networks in hepatocytes. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 1399-1412.	3.6	65
10	Pharmacological or transcriptional inhibition of both HDAC1 and 2 leads to cell cycle blockage and apoptosis via p21 ^{Waf1/Cip1} and p19 ^{INK4d} upregulation in hepatocellular carcinoma. <i>Cell Proliferation</i> , 2018, 51, e12447.	5.3	63
11	LINC00052 regulates the expression of NTRK3 by miR-128 and miR-485-3p to strengthen HCC cells invasion and migration. <i>Oncotarget</i> , 2016, 7, 47593-47608.	1.8	60
12	Pre-Exposure Prophylaxis for the Prevention of HIV Infection in High Risk Populations: A Meta-Analysis of Randomized Controlled Trials. <i>PLoS ONE</i> , 2014, 9, e87674.	2.5	55
13	Upregulated in Hepatitis B virus-associated hepatocellular carcinoma cells, miR-331-3p promotes proliferation of hepatocellular carcinoma cells by targeting ING5. <i>Oncotarget</i> , 2015, 6, 38093-38106.	1.8	52
14	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.	8.6	51
15	DNA methylation downregulated ZDHHC1 suppresses tumor growth by altering cellular metabolism and inducing oxidative/ER stress-mediated apoptosis and pyroptosis. <i>Theranostics</i> , 2020, 10, 9495-9511.	10.0	50
16	LINC00052/miR-101-3p axis inhibits cell proliferation and metastasis by targeting SOX9 in hepatocellular carcinoma. <i>Gene</i> , 2018, 679, 138-149.	2.2	48
17	The interplay between emerging human coronavirus infections and autophagy. <i>Emerging Microbes and Infections</i> , 2021, 10, 196-205.	6.5	47
18	Structures of Omicron spike complexes and implications for neutralizing antibody development. <i>Cell Reports</i> , 2022, 39, 110770.	6.4	47

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19	LINC00052 upregulates EPB41L3 to inhibit migration and invasion of hepatocellular carcinoma by binding miR-452-5p. <i>Oncotarget</i> , 2017, 8, 63724-63737.	1.8	44
20	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.	10.5	43
21	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.	4.7	43
22	A simplified system for the effective expression and delivery of functional mature microRNAs in mammalian cells. <i>Cancer Gene Therapy</i> , 2020, 27, 424-437.	4.6	42
23	Potent SARS-CoV-2 neutralizing antibodies with protective efficacy against newly emerged mutational variants. <i>Nature Communications</i> , 2021, 12, 6304.	12.8	42
24	HIV Pre-Exposure Prophylaxis Interest among Female Sex Workers in Guangxi, China. <i>PLoS ONE</i> , 2014, 9, e86200.	2.5	41
25	The genetic variability of glycoproteins among respiratory syncytial virus subtype A in China between 2009 and 2013. <i>Infection, Genetics and Evolution</i> , 2014, 27, 339-347.	2.3	41
26	Long noncoding RNA CCAT2 promotes hepatocellular carcinoma proliferation and metastasis through up-regulation of NDRG1. <i>Experimental Cell Research</i> , 2019, 379, 19-29.	2.6	38
27	Epirubicin directly promotes hepatitis B virus (HBV) replication in stable HBV-expressing cell lines: A novel mechanism of HBV reactivation following anticancer chemotherapy. <i>Molecular Medicine Reports</i> , 2014, 9, 1345-1350.	2.4	37
28	GSTZ1 Deficiency Activates NRF2/IGF1R Axis in HCC via Accumulation of Oncometabolite Succinylacetone. <i>EMBO Journal</i> , 2019, 38, e101964.	7.8	37
29	APOBEC3B edits HBV DNA and inhibits HBV replication during reverse transcription. <i>Antiviral Research</i> , 2018, 149, 16-25.	4.1	35
30	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
31	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
32	Prevalence and molecular characterizations of enterovirus D68 among children with acute respiratory infection in China between 2012 and 2014. <i>Scientific Reports</i> , 2015, 5, 16639.	3.3	31
33	Long-Noncoding RNA Colorectal Neoplasia Differentially Expressed Gene as a Potential Target to Upregulate the Expression of IRX5 by miR-136-5P to Promote Oncogenic Properties in Hepatocellular Carcinoma. <i>Cellular Physiology and Biochemistry</i> , 2018, 50, 2229-2248.	1.6	31
34	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
35	Adherence to pre-exposure prophylaxis among men who have sex with men: A prospective cohort study. <i>International Journal of Infectious Diseases</i> , 2018, 75, 52-59.	3.3	30
36	The impact of viral dynamics on the clinical severity of infants with respiratory syncytial virus bronchiolitis. <i>Journal of Medical Virology</i> , 2015, 87, 1276-1284.	5.0	28

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37	Soluble expression, purification, and characterization of active recombinant human tissue plasminogen activator by auto-induction in <i>E. coli</i> . <i>BMC Biotechnology</i> , 2015, 15, 13.	3.3	25
38	Cyclin E2 α -CDK2 mediates SAMHD1 phosphorylation to abrogate its restriction of HBV replication in hepatoma cells. <i>FEBS Letters</i> , 2018, 592, 1893-1904.	2.8	25
39	Developing a Versatile Shotgun Cloning Strategy for Single-Vector-Based Multiplex Expression of Short Interfering RNAs (siRNAs) in Mammalian Cells. <i>ACS Synthetic Biology</i> , 2019, 8, 2092-2105.	3.8	23
40	Tumor suppressive BTB/POZ zinc-finger protein ZBTB28 inhibits oncogenic BCL6/ZBTB27 signaling to maintain p53 transcription in multiple carcinogenesis. <i>Theranostics</i> , 2019, 9, 8182-8195.	10.0	23
41	Association of Hepatitis B Virus Covalently Closed Circular DNA and Human APOBEC3B in Hepatitis B Virus-Related Hepatocellular Carcinoma. <i>PLoS ONE</i> , 2016, 11, e0157708.	2.5	23
42	Interplay between Cellular Autophagy and Hepatitis B Virus Replication: A Systematic Review. <i>Cells</i> , 2020, 9, 2101.	4.1	22
43	Dynamics of neutralizing antibody responses to SARS-CoV-2 in patients with COVID-19: an observational study. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 197.	17.1	22
44	Functional analysis of miR-181a and Fas involved in hepatitis B virus-related hepatocellular carcinoma pathogenesis. <i>Experimental Cell Research</i> , 2015, 331, 352-361.	2.6	21
45	Prevalence and associated risk characteristics of HIV infection based on anal sexual role among men who have sex with men: a multi-city cross-sectional study in Western China. <i>International Journal of Infectious Diseases</i> , 2016, 49, 111-118.	3.3	20
46	LncRNA-AF113014 promotes the expression of Egr2 by interaction with miR-20a to inhibit proliferation of hepatocellular carcinoma cells. <i>PLoS ONE</i> , 2017, 12, e0177843.	2.5	20
47	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
48	Cisplatin Enhances Hepatitis B Virus Replication and PGC-1 β Expression through Endoplasmic Reticulum Stress. <i>Scientific Reports</i> , 2018, 8, 3496.	3.3	18
49	Genetic diversity and in vitro activity of ceftazidime/avibactam and aztreonam/avibactam against imipenem-resistant Enterobacteriaceae isolates in Southwest China: A single-centre study. <i>Journal of Global Antimicrobial Resistance</i> , 2020, 22, 448-451.	2.2	18
50	DHX9 interacts with APOBEC3B and attenuates the anti-HBV effect of APOBEC3B. <i>Emerging Microbes and Infections</i> , 2020, 9, 366-377.	6.5	18
51	Hepatitis B virus X protein modulates upregulation of DHX9 to promote viral DNA replication. <i>Cellular Microbiology</i> , 2020, 22, e13148.	2.1	17
52	LINC01419 promotes cell proliferation and metastasis in hepatocellular carcinoma by enhancing NDRG1 promoter activity. <i>Cellular Oncology (Dordrecht)</i> , 2020, 43, 931-947.	4.4	17
53	LINC02154 promotes the proliferation and metastasis of hepatocellular carcinoma by enhancing SPC24 promoter activity and activating the PI3K-AKT signaling pathway. <i>Cellular Oncology (Dordrecht)</i> , 2022, 45, 447-462.	4.4	17
54	A reverse transcriptase-mediated ribosomal RNA depletion (RTR2D) strategy for the cost-effective construction of RNA sequencing libraries. <i>Journal of Advanced Research</i> , 2020, 24, 239-250.	9.5	16

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55	Cancer cells escape p53's tumor suppression through ablation of ZDHHC1-mediated p53 palmitoylation. <i>Oncogene</i> , 2021, 40, 5416-5426.	5.9	16
56	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
57	Hsa-miR-331-3p inhibits VHL expression by directly targeting its mRNA 3'-UTR in HCC cell lines. <i>Acta Biochimica Polonica</i> , 2015, 62, 77-82.	0.5	15
58	Structure-based antigenic epitope and PEGylation improve the efficacy of staphylokinase. <i>Microbial Cell Factories</i> , 2017, 16, 197.	4.0	15
59	CRISPR/Cas9 delivery by NIR-responsive biomimetic nanoparticles for targeted HBV therapy. <i>Journal of Nanobiotechnology</i> , 2022, 20, 27.	9.1	14
60	Nature vs. nurture in human sociality: multi-level genomic analyses of social conformity. <i>Journal of Human Genetics</i> , 2018, 63, 605-619.	2.3	13
61	Anxiety and Depression Associated with Anal Sexual Practices among HIV-Negative Men Who Have Sex with Men in Western China. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 464.	2.6	13
62	Quasispecies characters of hepatitis B virus in immunoprophylaxis failure infants. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2018, 37, 1153-1162.	2.9	12
63	Diagnostic accuracy of red blood cell distribution width to platelet ratio for predicting staging liver fibrosis in chronic liver disease patients. <i>Medicine (United States)</i> , 2019, 98, e15096.	1.0	12
64	Deep Sequencing Analysis of HBV Genotype Shift and Correlation with Antiviral Efficiency during Adefovir Dipivoxil Therapy. <i>PLoS ONE</i> , 2015, 10, e0131337.	2.5	9
65	Negative trust and depression among female sex workers in Western China: The mediating role of thwarted belongingness. <i>Psychiatry Research</i> , 2017, 256, 448-452.	3.3	9
66	The Cumulative Rate of SARS-CoV-2 Infection in Chinese Hemodialysis Patients. <i>Kidney International Reports</i> , 2020, 5, 1416-1421.	0.8	9
67	Spontaneous loss of chronic HBV infection markers in treatment-naïve children: a systematic review and pooled meta-analyses. <i>Expert Review of Anti-Infective Therapy</i> , 2021, 19, 649-660.	4.4	9
68	Risk Management on Pre-Exposure Prophylaxis Adherence of Men Who Have Sex with Multiple Men: A Multicenter Prospective Cohort Study. <i>Risk Management and Healthcare Policy</i> , 2021, Volume 14, 1749-1761.	2.5	9
69	Fatty acid translocase promoted hepatitis B virus replication by upregulating the levels of hepatic cytosolic calcium. <i>Experimental Cell Research</i> , 2017, 358, 360-368.	2.6	7
70	Difluoromethylornithine, a Decarboxylase 1 Inhibitor, Suppresses Hepatitis B Virus Replication by Reducing HBc Protein Levels. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 158.	3.9	7
71	HBx and SP1 upregulate DKK1 expression.. <i>Acta Biochimica Polonica</i> , 2017, 64, 35-39.	0.5	7
72	ADAR1 promotes HBV replication through its deaminase domain. <i>Frontiers in Bioscience - Landmark</i> , 2020, 25, 710-721.	3.0	7

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73	Crystal Structure of an Invasivity-Associated Domain of SdrE in <i>S. aureus</i> . <i>PLoS ONE</i> , 2017, 12, e0168814.	2.5	6
74	Multi-level genomic analyses suggest new genetic variants involved in human memory. <i>European Journal of Human Genetics</i> , 2018, 26, 1668-1678.	2.8	5
75	The prevalence of occult HBV infection in immunized children with HBsAg-positive parents: a hospital-based analysis. <i>Hepatology International</i> , 2020, 14, 503-512.	4.2	5
76	Mutations of Basal Core Promoter and Precore Regions in Hepatitis B Virus Genotypes B and C. <i>Hepatitis Monthly</i> , 2014, 15, e23034.	0.2	4
77	Genes & Diseases: Moving molecular and translational medicine forward. <i>Genes and Diseases</i> , 2014, 1, 1-3.	3.4	4
78	A SNaPshot assay for the rapid and simple detection of hepatitis B virus genotypes. <i>Molecular Medicine Reports</i> , 2014, 10, 1245-1251.	2.4	4
79	LINC00628 suppresses migration and invasion of hepatocellular carcinoma by its conserved region interacting with the promoter of VEGFA. <i>Journal of Cellular Physiology</i> , 2019, 234, 15751-15762.	4.1	4
80	The response of hepatitis B virus genotype to interferon is associated with a mutation in the interferon-stimulated response element. <i>Medicine (United States)</i> , 2019, 98, e18442.	1.0	4
81	Study on Pre-Exposure Prophylaxis Regimens among Men Who Have Sex with Men: A Prospective Cohort Study. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4996.	2.6	4
82	The HBx and HBc of hepatitis B virus can influence Id1 and Id3 by reducing their transcription and stability. <i>Virus Research</i> , 2020, 284, 197973.	2.2	4
83	A genome-wide association study reveals a substantial genetic basis underlying the Ebbinghaus illusion. <i>Journal of Human Genetics</i> , 2021, 66, 261-271.	2.3	4
84	Lower Mutation Frequency of BCP/Precore Regions in e Antigen-Negative Chronic HBV-Infected Children instead of Adults Patients. <i>PLoS ONE</i> , 2015, 10, e0120733.	2.5	4
85	Cellular Id1 inhibits hepatitis B virus transcription by interacting with the novel covalently closed circular DNA-binding protein E2F4. <i>International Journal of Biological Sciences</i> , 2022, 18, 65-81.	6.4	4
86	A novel baseline hepatitis B virus sequencing-based strategy for predicting adefovir antiviral response. <i>Infection, Genetics and Evolution</i> , 2015, 33, 269-276.	2.3	3
87	The Infection Efficiency and Replication Ability of Circularized HBV DNA Optimized the Linear HBV DNA in Vitro and in Vivo. <i>International Journal of Molecular Sciences</i> , 2015, 16, 5141-5160.	4.1	3
88	AF119895 regulates NXF3 expression to promote migration and invasion of hepatocellular carcinoma through an interaction with miR-6508-3p. <i>Experimental Cell Research</i> , 2018, 363, 129-139.	2.6	3
89	Differential expression and diagnostic significance of P53, MutS homologs 2, tropomyosin α in α -fetoprotein-negative hepatocellular carcinoma. <i>Journal of Clinical Laboratory Analysis</i> , 2020, 34, e23353.	2.1	3
90	Effect of hepatitis B surface antibody in patients with core antibody-positive liver transplantation: a systematic review and meta-analysis. <i>Hepatology International</i> , 2020, 14, 202-211.	4.2	3

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91	Heritability of human visual contour integration—an integrated genomic study. <i>European Journal of Human Genetics</i> , 2019, 27, 1867-1875.	2.8	2
92	Bioinformatics analysis of constructing a HCV-related hepatocellular carcinoma miRNA-mRNA regulation network. <i>Medicine (United States)</i> , 2021, 100, e26964.	1.0	2
93	Realization of humoral immunity against SARS-CoV-2 infections. <i>Fundamental Research</i> , 2021, 1, 186-188.	3.3	1
94	SIRT2 Overexpression in Hepatocellular Carcinoma Mediates Epithelial to Mesenchymal Transition via Akt/GSK-3 β /E-catenin Signaling. <i>FASEB Journal</i> , 2013, 27, 53.1.	0.5	1
95	Socio-demographics, sexual behaviours, and use of HIV prevention services among men who have sex with men and women in Western China. <i>International Journal of STD and AIDS</i> , 2016, 27, 133-140.	1.1	0
96	Impact of dosing strategies on plasma concentrations of tenofovir: Implications in HIV pre-exposure prophylaxis in China. <i>Journal of Infection and Public Health</i> , 2021, 14, 1169-1173.	4.1	0