

Zhenghong Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

6,529
citations

87723

38
h-index

74018

75
g-index

111
all docs

111
docs citations

111
times ranked

12190
citing authors

#	ARTICLE	IF	CITATIONS
1	Viral and host factors related to the clinical outcome of COVID-19. <i>Nature</i> , 2020, 583, 437-440.	13.7	746
2	SARS-CoV-2 binds platelet ACE2 to enhance thrombosis in COVID-19. <i>Journal of Hematology and Oncology</i> , 2020, 13, 120.	6.9	505
3	Exosomes mediate the cell-to-cell transmission of IFN- λ -induced antiviral activity. <i>Nature Immunology</i> , 2013, 14, 793-803.	7.0	464
4	A global scientific strategy to cure hepatitis B. <i>The Lancet Gastroenterology and Hepatology</i> , 2019, 4, 545-558.	3.7	342
5	Recapitulation of SARS-CoV-2 infection and cholangiocyte damage with human liver ductal organoids. <i>Protein and Cell</i> , 2020, 11, 771-775.	4.8	313
6	Subversion of Cellular Autophagy Machinery by Hepatitis B Virus for Viral Envelopment. <i>Journal of Virology</i> , 2011, 85, 6319-6333.	1.5	236
7	A genome-wide CRISPR screen identifies host factors that regulate SARS-CoV-2 entry. <i>Nature Communications</i> , 2021, 12, 961.	5.8	204
8	Functional and genetic analysis of viral receptor ACE2 orthologs reveals a broad potential host range of SARS-CoV-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	168
9	Hepatitis B Virus Polymerase Disrupts K63-Linked Ubiquitination of STING To Block Innate Cytosolic DNA-Sensing Pathways. <i>Journal of Virology</i> , 2015, 89, 2287-2300.	1.5	163
10	RBD-Fc-based COVID-19 vaccine candidate induces highly potent SARS-CoV-2 neutralizing antibody response. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 282.	7.1	149
11	Long-term functional maintenance of primary human hepatocytes in vitro. <i>Science</i> , 2019, 364, 399-402.	6.0	147
12	An Efficient Antiviral Strategy for Targeting Hepatitis B Virus Genome Using Transcription Activator-Like Effector Nucleases. <i>Molecular Therapy</i> , 2014, 22, 303-311.	3.7	137
13	Hepatitis B Virus Surface Antigen Selectively Inhibits TLR2 Ligand-Induced IL-12 Production in Monocytes/Macrophages by Interfering with JNK Activation. <i>Journal of Immunology</i> , 2013, 190, 5142-5151.	0.4	129
14	Enhancement versus neutralization by SARS-CoV-2 antibodies from a convalescent donor associates with distinct epitopes on the RBD. <i>Cell Reports</i> , 2021, 34, 108699.	2.9	110
15	Viperin inhibits hepatitis C virus replication by interfering with binding of NS5A to host protein hVAP-33. <i>Journal of General Virology</i> , 2012, 93, 83-92.	1.3	103
16	PRMT5 restricts hepatitis B virus replication through epigenetic repression of covalently closed circular DNA transcription and interference with pregenomic RNA encapsidation. <i>Hepatology</i> , 2017, 66, 398-415.	3.6	101
17	Hepatitis B virus polymerase impairs interferon- λ -induced STAT activation through inhibition of importin- β 5 and protein kinase C- δ . <i>Hepatology</i> , 2013, 57, 470-482.	3.6	99
18	Exosomes Exploit the Virus Entry Machinery and Pathway To Transmit Alpha Interferon-Induced Antiviral Activity. <i>Journal of Virology</i> , 2018, 92, .	1.5	95

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19	In situ analysis of intrahepatic virological events in chronic hepatitis B virus infection. <i>Journal of Clinical Investigation</i> , 2016, 126, 1079-1092.	3.9	83
20	Polarization of Monocytic Myeloid-Derived Suppressor Cells by Hepatitis B Surface Antigen Is Mediated via ERK/IL-6/STAT3 Signaling Feedback and Restrains the Activation of T Cells in Chronic Hepatitis B Virus Infection. <i>Journal of Immunology</i> , 2015, 195, 4873-4883.	0.4	82
21	Hepatitis B virus polymerase inhibits the interferon-inducible MyD88 promoter by blocking nuclear translocation of Stat1. <i>Journal of General Virology</i> , 2007, 88, 3260-3269.	1.3	81
22	Inhibition of Hepatitis B Virus Replication by MyD88 Involves Accelerated Degradation of Pregenomic RNA and Nuclear Retention of Pre-S/S RNAs. <i>Journal of Virology</i> , 2010, 84, 6387-6399.	1.5	71
23	GCG inhibits SARS-CoV-2 replication by disrupting the liquid phase condensation of its nucleocapsid protein. <i>Nature Communications</i> , 2021, 12, 2114.	5.8	70
24	Characterization of gene expression profiles in HBV-related liver fibrosis patients and identification of ITGEB1 as a key regulator of fibrogenesis. <i>Scientific Reports</i> , 2017, 7, 43446.	1.6	68
25	Predictive model for inflammation grades of chronic hepatitis B: Large-scale analysis of clinical parameters and gene expressions. <i>Liver International</i> , 2017, 37, 1632-1641.	1.9	62
26	Interferon-inducible MX2 is a host restriction factor of hepatitis B virus replication. <i>Journal of Hepatology</i> , 2020, 72, 865-876.	1.8	58
27	Functional mapping of B-cell linear epitopes of SARS-CoV-2 in COVID-19 convalescent population. <i>Emerging Microbes and Infections</i> , 2020, 9, 1988-1996.	3.0	58
28	Label-free Proteomic Analysis of Exosomes Derived from Inducible Hepatitis B Virus-Replicating HepAD38 Cell Line. <i>Molecular and Cellular Proteomics</i> , 2017, 16, S144-S160.	2.5	56
29	A novel STING agonist-adjuvanted pan-sarbecovirus vaccine elicits potent and durable neutralizing antibody and T cell responses in mice, rabbits and NHPs. <i>Cell Research</i> , 2022, 32, 269-287.	5.7	54
30	Immunization with the receptor-binding domain of SARS-CoV-2 elicits antibodies cross-neutralizing SARS-CoV-2 and SARS-CoV without antibody-dependent enhancement. <i>Cell Discovery</i> , 2020, 6, 61.	3.1	52
31	Functional Comparison of Interferon- α Subtypes Reveals Potent Hepatitis B Virus Suppression by a Concerted Action of Interferon- α and Interferon- β Signaling. <i>Hepatology</i> , 2021, 73, 486-502.	3.6	51
32	Hepatitis B virus spliced variants are associated with an impaired response to interferon therapy. <i>Scientific Reports</i> , 2015, 5, 16459.	1.6	49
33	Hepatitis B virus sensitivity to interferon- α in hepatocytes is more associated with cellular interferon response than with viral genotype. <i>Hepatology</i> , 2018, 67, 1237-1252.	3.6	49
34	Low hepatitis B virus-specific T-cell response in males correlates with high regulatory T-cell numbers in murine models. <i>Hepatology</i> , 2017, 66, 69-83.	3.6	47
35	Antiviral/antibacterial biodegradable cellulose nonwovens as environmentally friendly and bioprotective materials with potential to minimize microplastic pollution. <i>Journal of Hazardous Materials</i> , 2022, 424, 127391.	6.5	46
36	Inhibition of KAP1 Enhances Hypoxia-Induced Kaposi's Sarcoma-Associated Herpesvirus Reactivation through RBP-J ϵ . <i>Journal of Virology</i> , 2014, 88, 6873-6884.	1.5	45

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37	Extracellular Hepatitis B Virus RNAs Are Heterogeneous in Length and Circulate as Capsid-Antibody Complexes in Addition to Virions in Chronic Hepatitis B Patients. <i>Journal of Virology</i> , 2018, 92, .	1.5	45
38	A two-step lineage reprogramming strategy to generate functionally competent human hepatocytes from fibroblasts. <i>Cell Research</i> , 2019, 29, 696-710.	5.7	43
39	Potent SARS-CoV-2 neutralizing antibodies with protective efficacy against newly emerged mutational variants. <i>Nature Communications</i> , 2021, 12, 6304.	5.8	42
40	Interferon priming enables cells to partially overturn the SARS coronavirus-induced block in innate immune activation. <i>Journal of General Virology</i> , 2009, 90, 2686-2694.	1.3	41
41	Regulation of Multiple Stages of Hepadnavirus Replication by the Carboxyl-Terminal Domain of Viral Core Protein in trans. <i>Journal of Virology</i> , 2015, 89, 2918-2930.	1.5	41
42	Constitutive Activation of Interleukin-13/STAT6 Contributes to Kaposi's Sarcoma-Associated Herpesvirus-Related Primary Effusion Lymphoma Cell Proliferation and Survival. <i>Journal of Virology</i> , 2015, 89, 10416-10426.	1.5	39
43	Structural and functional basis for pan-CoV fusion inhibitors against SARS-CoV-2 and its variants with preclinical evaluation. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 288.	7.1	38
44	AMPK and Akt/mTOR signalling pathways participate in glucose-mediated regulation of hepatitis B virus replication and cellular autophagy. <i>Cellular Microbiology</i> , 2020, 22, e13131.	1.1	36
45	Comparative analysis reveals the species-specific genetic determinants of ACE2 required for SARS-CoV-2 entry. <i>PLoS Pathogens</i> , 2021, 17, e1009392.	2.1	34
46	Label-Free Proteomic Analysis of Exosomes Secreted from THP-1-Derived Macrophages Treated with IFN- γ Identifies Antiviral Proteins Enriched in Exosomes. <i>Journal of Proteome Research</i> , 2019, 18, 855-864.	1.8	33
47	Differential interferon- γ subtype induced immune signatures are associated with suppression of SARS-CoV-2 infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	33
48	Drug susceptibility profile and pathogenicity of H7N9 influenza virus (Anhui1 lineage) with R292K substitution. <i>Emerging Microbes and Infections</i> , 2014, 3, 1-9.	3.0	32
49	A bacterial artificial chromosome (BAC)-vectored noninfectious replicon of SARS-CoV-2. <i>Antiviral Research</i> , 2021, 185, 104974.	1.9	31
50	Differentially Expressed Intrahepatic Genes Contribute to Control of Hepatitis B Virus Replication in the Inactive Carrier Phase. <i>Journal of Infectious Diseases</i> , 2018, 217, 1044-1054.	1.9	30
51	Comparison of Circulating, Hepatocyte Specific Messenger RNA and microRNA as Biomarkers for Chronic Hepatitis B and C. <i>PLoS ONE</i> , 2014, 9, e92112.	1.1	30
52	Affinity Purification of the Hepatitis C Virus Replicase Identifies Valosin-Containing Protein, a Member of the ATPases Associated with Diverse Cellular Activities Family, as an Active Virus Replication Modulator. <i>Journal of Virology</i> , 2016, 90, 9953-9966.	1.5	29
53	Protoporphyrin IX and verteporfin potently inhibit SARS-CoV-2 infection in vitro and in a mouse model expressing human ACE2. <i>Science Bulletin</i> , 2021, 66, 925-936.	4.3	29
54	Extra-pulmonary viral shedding in H7N9 Avian Influenza patients. <i>Journal of Clinical Virology</i> , 2015, 69, 30-32.	1.6	28

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55	An ultrapotent pan- β -coronavirus lineage B (β -CoV-B) neutralizing antibody locks the receptor-binding domain in closed conformation by targeting its conserved epitope. <i>Protein and Cell</i> , 2022, 13, 655-675.	4.8	25
56	Lactic Acid Downregulates Viral MicroRNA To Promote Epstein-Barr Virus-Immortalized B Lymphoblastic Cell Adhesion and Growth. <i>Journal of Virology</i> , 2018, 92, .	1.5	24
57	Genetic diversity of sapovirus in non-hospitalized adults with sporadic cases of acute gastroenteritis in Shanghai, China. <i>Journal of Clinical Virology</i> , 2014, 59, 250-254.	1.6	23
58	Hepatitis C Virus-Associated Cancers. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1018, 129-146.	0.8	23
59	Susceptibilities of Human ACE2 Genetic Variants in Coronavirus Infection. <i>Journal of Virology</i> , 2022, 96, JVIO149221.	1.5	22
60	Viral-Mediated AURKB Cleavage Promotes Cell Segregation and Tumorigenesis. <i>Cell Reports</i> , 2019, 26, 3657-3671.e5.	2.9	20
61	MicroRNA-939 restricts Hepatitis B virus by targeting Jmjd3-mediated and C/EBP β -coordinated chromatin remodeling. <i>Scientific Reports</i> , 2016, 6, 35974.	1.6	19
62	STAT6 degradation and ubiquitinated TRIML2 are essential for activation of human oncogenic herpesvirus. <i>PLoS Pathogens</i> , 2018, 14, e1007416.	2.1	19
63	In vitro studies identify a low replication phenotype for hepatitis B virus genotype H generally associated with occult HBV and less severe liver disease. <i>Virology</i> , 2018, 519, 190-196.	1.1	19
64	Low doses of CMV induce autoimmune-mediated and inflammatory responses in bile duct epithelia of regulatory T cell-depleted neonatal mice. <i>Laboratory Investigation</i> , 2015, 95, 180-192.	1.7	18
65	Aggregation of a hepatitis C virus replicase module induced by ablation of p97/VCP. <i>Journal of General Virology</i> , 2017, 98, 1667-1678.	1.3	18
66	Interplay between hepatitis B virus and the innate immune responses: implications for new therapeutic strategies. <i>Virologica Sinica</i> , 2014, 29, 17-24.	1.2	17
67	Nuclear Localization and Cleavage of STAT6 Is Induced by Kaposi's Sarcoma-Associated Herpesvirus for Viral Latency. <i>PLoS Pathogens</i> , 2017, 13, e1006124.	2.1	17
68	New insights into hepatitis B virus biology and implications for novel antiviral strategies. <i>National Science Review</i> , 2015, 2, 296-313.	4.6	16
69	Establishment of Cre-mediated HBV recombinant cccDNA (rcccDNA) cell line for cccDNA biology and antiviral screening assays. <i>Antiviral Research</i> , 2018, 152, 45-52.	1.9	16
70	Genome-wide linear B-cell epitopes of enterovirus 71 in a hand, foot and mouth disease (HFMD) population. <i>Journal of Clinical Virology</i> , 2018, 105, 41-48.	1.6	15
71	A streamlined clinical metagenomic sequencing protocol for rapid pathogen identification. <i>Scientific Reports</i> , 2021, 11, 4405.	1.6	15
72	tRNA-dependent cleavage of the ColE1 plasmid-encoded RNA I. <i>Microbiology (United Kingdom)</i> , 2006, 152, 3467-3476.	0.7	15

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73	Circulating miR-210 and miR-22 combined with ALT predict the virological response to interferon-alpha therapy of CHB patients. <i>Scientific Reports</i> , 2017, 7, 15658.	1.6	14
74	Identification of Retinoic Acid Receptor Agonists as Potent Hepatitis B Virus Inhibitors via a Drug Repurposing Screen. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	14
75	Animal Models for the Study of Hepatitis B Virus Pathobiology and Immunity: Past, Present, and Future. <i>Frontiers in Microbiology</i> , 2021, 12, 715450.	1.5	14
76	Innate detection of hepatitis B and C virus and viral inhibition of the response. <i>Cellular Microbiology</i> , 2015, 17, 1295-1303.	1.1	13
77	Residues Asn118 and Glu119 of hepatitis B virus X protein are critical for HBx-mediated inhibition of RIG-I-MAVS signaling. <i>Virology</i> , 2020, 539, 92-103.	1.1	13
78	Genotype distribution of norovirus around the emergence of Sydney_2012 and the antigenic drift of contemporary GII.4 epidemic strains. <i>Journal of Clinical Virology</i> , 2015, 72, 95-101.	1.6	12
79	Survival of SARS-COV-2 under liquid medium, dry filter paper and acidic conditions. <i>Cell Discovery</i> , 2020, 6, 57.	3.1	12
80	Probing the spatiotemporal patterns of HBV multiplication reveals novel features of its subcellular processes. <i>PLoS Pathogens</i> , 2021, 17, e1009838.	2.1	12
81	HBV covalently closed circular DNA minichromosomes in distinct epigenetic transcriptional states differ in their vulnerability to damage. <i>Hepatology</i> , 2022, 75, 1275-1288.	3.6	12
82	Evaluation of antiviral - passive - active immunization (â€œsandwichâ€) therapeutic strategy for functional cure of chronic hepatitis B in mice. <i>EBioMedicine</i> , 2019, 49, 247-257.	2.7	11
83	Oral Administered Particulate Yeast-Derived Glucan Promotes Hepatitis B Virus Clearance in a Hydrodynamic Injection Mouse Model. <i>PLoS ONE</i> , 2015, 10, e0123559.	1.1	10
84	Monocytic MDSCs homing to thymus contribute to age-related CD8+ T cell tolerance of HBV. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	10
85	A novel recombinant cccDNA-based mouse model with long term maintenance of rcccDNA and antigenemia. <i>Antiviral Research</i> , 2020, 180, 104826.	1.9	9
86	An infectious clone of enterovirus 71(EV71) that is capable of infecting neonatal immune competent mice without adaptive mutations. <i>Emerging Microbes and Infections</i> , 2020, 9, 427-438.	3.0	9
87	Replicase-mediated shielding of the poliovirus replicative double-stranded RNA to avoid recognition by MDA5. <i>Journal of General Virology</i> , 2018, 99, 1199-1209.	1.3	9
88	Long-Term Hepatitis B Virus Infection Induces Cytopathic Effects in Primary Human Hepatocytes, and Can Be Partially Reversed by Antiviral Therapy. <i>Microbiology Spectrum</i> , 2022, 10, e0132821.	1.2	9
89	Proteomic analysis of cell lines expressing small hepatitis B surface antigen revealed decreased glucoseâ€regulated protein 78â€kDa expression in association with higher susceptibility to apoptosis. <i>Journal of Medical Virology</i> , 2010, 82, 14-22.	2.5	8
90	Identification of viral SIM-SUMO2-interaction inhibitors for treating primary effusion lymphoma. <i>PLoS Pathogens</i> , 2019, 15, e1008174.	2.1	8

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91	Clinical relevance of the in situ assay for HBV DNA: a cross-sectional study in patients with chronic hepatitis B. <i>Journal of Clinical Pathology</i> , 2020, 73, 813-818.	1.0	7
92	NS5-independent Ablation of STAT2 by Zika virus to antagonize interferon signalling. <i>Emerging Microbes and Infections</i> , 2021, 10, 1609-1625.	3.0	7
93	Establishment of a fluorescent in situ hybridization assay for imaging hepatitis B virus nucleic acids in cell culture models. <i>Emerging Microbes and Infections</i> , 2017, 6, 1-6.	3.0	6
94	The Detection and Characterization of Herpes Simplex Virus Type 1 in Confirmed Measles Cases. <i>Scientific Reports</i> , 2019, 9, 12785.	1.6	6
95	Interferon Alpha Induces Cellular Autophagy and Modulates Hepatitis B Virus Replication. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 804011.	1.8	6
96	An integrated software for virus community sequencing data analysis. <i>BMC Genomics</i> , 2020, 21, 363.	1.2	5
97	Hepatitis C virus NS5A inhibitor daclatasvir allosterically impairs NS4B-involved protein-protein interactions within the viral replicase and disrupts the replicase quaternary structure in a replicase assembly surrogate system. <i>Journal of General Virology</i> , 2019, 100, 69-83.	1.3	4
98	Acute respiratory infections in children, before and after the COVID-19 pandemic, a sentinel study. <i>Journal of Infection</i> , 2022, 85, 90-122.	1.7	4
99	Dual role of the amphipathic helix of hepatitis C virus NS5A in the viral polyprotein cleavage and replicase assembly. <i>Virology</i> , 2019, 535, 283-296.	1.1	3
100	Bioorthogonal dissection of the replicase assembly of hepatitis C virus. <i>Cell Chemical Biology</i> , 2021, 28, 1366-1378.e4.	2.5	3
101	The role of hepatitis B virus surface proteins in regulating the maturation and secretion of complete and incomplete virions. <i>Journal of General Virology</i> , 2022, 103, .	1.3	3
102	knnAUC: an open-source R package for detecting nonlinear dependence between one continuous variable and one binary variable. <i>BMC Bioinformatics</i> , 2018, 19, 448.	1.2	2
103	Serum ERK1/2 proteins fluctuating with HBV infection report frequency of viral-specific CD8+ T cells and predict IFN γ therapeutic effect in chronic hepatitis B patients. <i>Clinical Immunology</i> , 2020, 219, 108570.	1.4	1
104	Quasispecies dynamics of a hepatitis E virus 4 from the feces and liver biopsy of an acute hepatitis E patient during virus clearance. <i>Journal of Medical Virology</i> , 2020, 92, 3556-3562.	2.5	1
105	Safety and immunogenicity of an alum-adjuvanted whole-virion H7N9 influenza vaccine: a randomized, blinded, clinical trial. <i>Clinical Microbiology and Infection</i> , 2021, 27, 775-781.	2.8	1
106	Overview of Infectious Causes of Human Cancers. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1018, 1-9.	0.8	1
107	HBV induced the discharge of intrinsic antiviral miRNAs in HBV-replicating hepatocytes via extracellular vesicles to facilitate its replication. <i>Journal of General Virology</i> , 2022, 103, .	1.3	1
108	Identification and characterization of key residues in Zika virus envelope protein for virus assembly and entry. <i>Emerging Microbes and Infections</i> , 2022, 11, 1604-1620.	3.0	0