

# Jinhong Chang

## List of Publications by Year in descending order

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81  
papers

5,139  
citations

87401

40  
h-index

100535

70  
g-index

82  
all docs

82  
docs citations

82  
times ranked

6786  
citing authors

#	ARTICLE	IF	CITATIONS
1	4-Oxooctahydroquinoline-1(2H)-carboxamides as hepatitis B virus (HBV) capsid core protein assembly modulators. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 58, 128518.	1.0	3
2	A yellow fever virus NS4B inhibitor not only suppresses viral replication, but also enhances the virus activation of RIG-I-like receptor-mediated innate immune response. <i>PLoS Pathogens</i> , 2022, 18, e1010271.	2.1	9
3	Synthesis of 4-oxotetrahydropyrimidine-1(2H)-carboxamides derivatives as capsid assembly modulators of hepatitis B virus. <i>Medicinal Chemistry Research</i> , 2021, 30, 459-472.	1.1	6
4	Restoration of a functional antiviral immune response to chronic HBV infection by reducing viral antigen load: if not sufficient, is it necessary?. <i>Emerging Microbes and Infections</i> , 2021, 10, 1545-1554.	3.0	12
5	Hepatitis B virus nucleocapsid uncoating: biological consequences and regulation by cellular nucleases. <i>Emerging Microbes and Infections</i> , 2021, 10, 852-864.	3.0	16
6	A Putative Amphipathic Alpha Helix in Hepatitis B Virus Small Envelope Protein Plays a Critical Role in the Morphogenesis of Subviral Particles. <i>Journal of Virology</i> , 2021, 95, .	1.5	4
7	Identification of hepatitis B virus core protein residues critical for capsid assembly, pgRNA encapsidation and resistance to capsid assembly modulators. <i>Antiviral Research</i> , 2021, 191, 105080.	1.9	10
8	Amino acid residues at core protein dimer-dimer interface modulate multiple steps of hepatitis B virus replication and HBeAg biogenesis. <i>PLoS Pathogens</i> , 2021, 17, e1010057.	2.1	10
9	Development of antibody-based assays for high throughput discovery and mechanistic study of antiviral agents against yellow fever virus. <i>Antiviral Research</i> , 2020, 182, 104907.	1.9	4
10	Targeting the multifunctional HBV core protein as a potential cure for chronic hepatitis B. <i>Antiviral Research</i> , 2020, 182, 104917.	1.9	62
11	Protein phosphatase 1 catalyzes HBV core protein dephosphorylation and is co-packaged with viral pregenomic RNA into nucleocapsids. <i>PLoS Pathogens</i> , 2020, 16, e1008669.	2.1	26
12	A Sensitive Yellow Fever Virus Entry Reporter Identifies Valosin-Containing Protein (VCP/p97) as an Essential Host Factor for Flavivirus Uncoating. <i>MBio</i> , 2020, 11, .	1.8	24
13	Virological Basis for the Cure of Chronic Hepatitis B. <i>ACS Infectious Diseases</i> , 2019, 5, 659-674.	1.8	43
14	GILT restricts the cellular entry mediated by the envelope glycoproteins of SARS-CoV, Ebola virus and Lassa fever virus. <i>Emerging Microbes and Infections</i> , 2019, 8, 1511-1523.	3.0	26
15	Discovery and Mechanistic Study of a Novel Human-Stimulator-of-Interferon-Genes Agonist. <i>ACS Infectious Diseases</i> , 2019, 5, 1139-1149.	1.8	50
16	DNA Polymerase alpha is essential for intracellular amplification of hepatitis B virus covalently closed circular DNA. <i>PLoS Pathogens</i> , 2019, 15, e1007742.	2.1	59
17	Cellular DNA Topoisomerases Are Required for the Synthesis of Hepatitis B Virus Covalently Closed Circular DNA. <i>Journal of Virology</i> , 2019, 93, .	1.5	53
18	Discovery of Novel Hepatitis B Virus Nucleocapsid Assembly Inhibitors. <i>ACS Infectious Diseases</i> , 2019, 5, 759-768.	1.8	34

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19	Hepatitis B Virus Core Protein Dephosphorylation Occurs during Pregenomic RNA Encapsidation. <i>Journal of Virology</i> , 2018, 92, .	1.5	52
20	Enhancing the antiviral potency of ER $\alpha$ -glucosidase inhibitor IHVR-19029 against hemorrhagic fever viruses in vitro and in vivo. <i>Antiviral Research</i> , 2018, 150, 112-122.	1.9	26
21	In Vitro Anti-hepatitis B Virus Activity of 2 $\alpha$ ,3 $\alpha$ -Dideoxyguanosine. <i>Virologica Sinica</i> , 2018, 33, 538-544.	1.2	2
22	CpAMs induce assembly of HBV capsids with altered electrophoresis mobility: Implications for mechanism of inhibiting pgRNA packaging. <i>Antiviral Research</i> , 2018, 159, 1-12.	1.9	17
23	Ester Prodrugs of IHVR-19029 with Enhanced Oral Exposure and Prevention of Gastrointestinal Glucosidase Interaction. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 157-162.	1.3	14
24	Discovery and Mechanistic Study of Benzamide Derivatives That Modulate Hepatitis B Virus Capsid Assembly. <i>Journal of Virology</i> , 2017, 91, .	1.5	39
25	A cell-based high throughput screening assay for the discovery of cGAS-STING pathway agonists. <i>Antiviral Research</i> , 2017, 147, 37-46.	1.9	55
26	Activation of Stimulator of Interferon Genes in Hepatocytes Suppresses the Replication of Hepatitis B Virus. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	60
27	The current status and future directions of hepatitis B antiviral drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2017, 12, 5-15.	2.5	44
28	HBV core protein allosteric modulators differentially alter cccDNA biosynthesis from de novo infection and intracellular amplification pathways. <i>PLoS Pathogens</i> , 2017, 13, e1006658.	2.1	105
29	Characterization of novel hepadnaviral RNA species accumulated in hepatoma cells treated with viral DNA polymerase inhibitors. <i>Antiviral Research</i> , 2016, 131, 40-48.	1.9	22
30	A Novel Benzodiazepine Compound Inhibits Yellow Fever Virus Infection by Specifically Targeting NS4B Protein. <i>Journal of Virology</i> , 2016, 90, 10774-10788.	1.5	37
31	Article Commentary: Viral Resistance of MOGS-CDG Patients Implies a Broad-Spectrum Strategy against Acute Virus Infections. <i>Antiviral Therapy</i> , 2015, 20, 257-259.	0.6	19
32	Inhibition of Endoplasmic Reticulum-Resident Glucosidases Impairs Severe Acute Respiratory Syndrome Coronavirus and Human Coronavirus NL63 Spike Protein-Mediated Entry by Altering the Glycan Processing of Angiotensin I-Converting Enzyme 2. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 206-216.	1.4	63
33	Treatment of chronic hepatitis B with pattern recognition receptor agonists: Current status and potential for a cure. <i>Antiviral Research</i> , 2015, 121, 152-159.	1.9	45
34	STING Agonists Induce an Innate Antiviral Immune Response against Hepatitis B Virus. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 1273-1281.	1.4	93
35	Interferon induction of IFITM proteins promotes infection by human coronavirus OC43. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6756-6761.	3.3	161
36	Therapeutic strategies for a functional cure of chronic hepatitis B virus infection. <i>Acta Pharmaceutica Sinica B</i> , 2014, 4, 248-257.	5.7	48

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37	An interferon-beta promoter reporter assay for high throughput identification of compounds against multiple RNA viruses. <i>Antiviral Research</i> , 2014, 107, 56-65.	1.9	18
38	Antiviral therapies targeting host ER alpha-glucosidases: Current status and future directions. <i>Antiviral Research</i> , 2013, 99, 251-260.	1.9	98
39	N-Alkyldeoxynojirimycin derivatives with novel terminal tertiary amide substitution for treatment of bovine viral diarrhea virus (BVDV), Dengue, and Tacaribe virus infections. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 2172-2176.	1.0	12
40	Small molecule inhibitors of ER $\alpha$ -glucosidases are active against multiple hemorrhagic fever viruses. <i>Antiviral Research</i> , 2013, 98, 432-440.	1.9	72
41	Design and synthesis of N-alkyldeoxynojirimycin derivatives with improved metabolic stability as inhibitors of BVDV and Tacaribe virus. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 4258-4262.	1.0	10
42	Alpha-Interferon Suppresses Hepadnavirus Transcription by Altering Epigenetic Modification of cccDNA Minichromosomes. <i>PLoS Pathogens</i> , 2013, 9, e1003613.	2.1	135
43	Sulfamoylbenzamide Derivatives Inhibit the Assembly of Hepatitis B Virus Nucleocapsids. <i>Journal of Virology</i> , 2013, 87, 6931-6942.	1.5	154
44	Imino sugar glucosidase inhibitors as broadly active anti-filovirus agents. <i>Emerging Microbes and Infections</i> , 2013, 2, 1-7.	3.0	21
45	Design, Synthesis, and Biological Evaluation of <i>N</i> -Alkylated Deoxynojirimycin (DNJ) Derivatives for the Treatment of Dengue Virus Infection. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 6061-6075.	2.9	49
46	PD 404,182 Is a Virocidal Small Molecule That Disrupts Hepatitis C Virus and Human Immunodeficiency Virus. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 672-681.	1.4	35
47	The innate immune response to hepatitis B virus infection: Implications for pathogenesis and therapy. <i>Antiviral Research</i> , 2012, 96, 405-413.	1.9	58
48	RO 90-7501 Enhances TLR3 and RLR Agonist Induced Antiviral Response. <i>PLoS ONE</i> , 2012, 7, e42583.	1.1	19
49	Combination of $\alpha$ -glucosidase inhibitor and ribavirin for the treatment of dengue virus infection in vitro and in vivo. <i>Antiviral Research</i> , 2011, 89, 26-34.	1.9	83
50	Competitive inhibitor of cellular $\alpha$ -glucosidases protects mice from lethal dengue virus infection. <i>Antiviral Research</i> , 2011, 92, 369-371.	1.9	38
51	Inhibitors of Endoplasmic Reticulum $\alpha$ -Glucosidases Potently Suppress Hepatitis C Virus Virion Assembly and Release. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 1036-1044.	1.4	58
52	Alkylated Porphyrins Have Broad Antiviral Activity against Hepadnaviruses, Flaviviruses, Filoviruses, and Arenaviruses. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 478-486.	1.4	52
53	Interferons Accelerate Decay of Replication-Competent Nucleocapsids of Hepatitis B Virus. <i>Journal of Virology</i> , 2010, 84, 9332-9340.	1.5	114
54	Interferon-Induced Cell Membrane Proteins, IFITM3 and Tetherin, Inhibit Vesicular Stomatitis Virus Infection via Distinct Mechanisms. <i>Journal of Virology</i> , 2010, 84, 12646-12657.	1.5	263

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55	Identification of Five Interferon-Induced Cellular Proteins That Inhibit West Nile Virus and Dengue Virus Infections. <i>Journal of Virology</i> , 2010, 84, 8332-8341.	1.5	292
56	Activation of Pattern Recognition Receptor-Mediated Innate Immunity Inhibits the Replication of Hepatitis B Virus in Human Hepatocyte-Derived Cells. <i>Journal of Virology</i> , 2009, 83, 847-858.	1.5	108
57	Antiviral effect of interferon lambda against West Nile virus. <i>Antiviral Research</i> , 2009, 83, 53-60.	1.9	45
58	Novel Imino Sugar Derivatives Demonstrate Potent Antiviral Activity against Flaviviruses. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 1501-1508.	1.4	74
59	Liver-Specific MicroRNA miR-122 Enhances the Replication of Hepatitis C Virus in Nonhepatic Cells. <i>Journal of Virology</i> , 2008, 82, 8215-8223.	1.5	214
60	Transcription of Hepatitis Delta Virus RNA by RNA Polymerase II. <i>Journal of Virology</i> , 2008, 82, 1118-1127.	1.5	92
61	Identification of Three Interferon-Inducible Cellular Enzymes That Inhibit the Replication of Hepatitis C Virus. <i>Journal of Virology</i> , 2008, 82, 1665-1678.	1.5	255
62	Assembly of Hepatitis B Virus Envelope Proteins onto a Lentivirus Pseudotype That Infects Primary Human Hepatocytes. <i>Journal of Virology</i> , 2007, 81, 10897-10904.	1.5	25
63	Assembly of Hepatitis Delta Virus: Particle Characterization, Including the Ability To Infect Primary Human Hepatocytes. <i>Journal of Virology</i> , 2007, 81, 3608-3617.	1.5	56
64	Immunoadhesins Containing Pre-S Domains of Hepatitis B Virus Large Envelope Protein Are Secreted and Inhibit Virus Infection. <i>Journal of Virology</i> , 2007, 81, 4912-4918.	1.5	11
65	Restoration in vivo of defective hepatitis delta virus RNA genomes. <i>Rna</i> , 2006, 12, 1061-1073.	1.6	6
66	Action of Inhibitors on Accumulation of Processed Hepatitis Delta Virus RNAs. <i>Journal of Virology</i> , 2006, 80, 3205-3214.	1.5	26
67	Development of a Novel System To Study Hepatitis Delta Virus Genome Replication. <i>Journal of Virology</i> , 2005, 79, 8182-8188.	1.5	57
68	Reconstitution in cultured cells of replicating HDV RNA from pairs of less than full-length RNAs. <i>Rna</i> , 2005, 11, 90-98.	1.6	24
69	Evolution of Hepatitis Delta Virus RNA Genome following Long-Term Replication in Cell Culture. <i>Journal of Virology</i> , 2005, 79, 13310-13316.	1.5	25
70	Alternative Processing of Hepatitis Delta Virus Antigenomic RNA Transcripts. <i>Journal of Virology</i> , 2004, 78, 4517-4524.	1.5	22
71	miR-122, a Mammalian Liver-Specific microRNA, is Processed from hcr mRNA and May Downregulate the High Affinity Cationic Amino Acid Transporter CAT-1. <i>RNA Biology</i> , 2004, 1, 106-113.	1.5	758
72	Features Affecting the Ability of Hepatitis Delta Virus RNAs To Initiate RNA-Directed RNA Synthesis. <i>Journal of Virology</i> , 2004, 78, 5737-5744.	1.5	18

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73	Resistance of Human Hepatitis Delta Virus RNAs to Dicer Activity. <i>Journal of Virology</i> , 2003, 77, 11910-11917.	1.5	57
74	Susceptibility of Human Hepatitis Delta Virus RNAs to Small Interfering RNA Action. <i>Journal of Virology</i> , 2003, 77, 9728-9731.	1.5	60
75	Parameters of Human Hepatitis Delta Virus Genome Replication: the Quantity, Quality, and Intracellular Distribution of Viral Proteins and RNA. <i>Journal of Virology</i> , 2002, 76, 3709-3719.	1.5	90
76	In vivo RNA-directed transcription, with template switching, by a mammalian RNA polymerase. <i>EMBO Journal</i> , 2002, 21, 157-164.	3.5	54
77	Replication of the Human Hepatitis Delta Virus Genome Is Initiated in Mouse Hepatocytes following Intravenous Injection of Naked DNA or RNA Sequences. <i>Journal of Virology</i> , 2001, 75, 3469-3473.	1.5	80
78	Interactions between Hepatitis Delta Virus Proteins. <i>Journal of Virology</i> , 2000, 74, 5509-5515.	1.5	17
79	Limitations to Replication of Hepatitis Delta Virus in Avian Cells. <i>Journal of Virology</i> , 2000, 74, 8861-8866.	1.5	15
80	Efficient Site-Specific Nonribozyme Opening of Hepatitis Delta Virus Genomic RNA in Infected Livers. <i>Journal of Virology</i> , 2000, 74, 9889-9894.	1.5	9
81	Relationship between interferon therapy and variability in nonstructural gene 5b of hepatitis C virus. <i>Journal of Gastroenterology</i> , 1998, 33, 684-693.	2.3	6