Ju-Tao Guo

List of Publications by Year
in descending order

89 papers	7,192 citations	44069 48 h-index	56724 83 g-index
92 all docs	92 docs citations	92 times ranked	6810 citing authors

#	Article	IF	Citations
1	4-Oxooctahydroquinoline-1(2H)-carboxamides as hepatitis B virus (HBV) capsid core protein assembly modulators. Bioorganic and Medicinal Chemistry Letters, 2022, 58, 128518.	2.2	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. PLoS Pathogens, 2022, 18, e1010271.	4.7	9
3	Interferon Control of Human Coronavirus Infection and Viral Evasion: Mechanistic Insights and Implications for Antiviral Drug and Vaccine Development. Journal of Molecular Biology, 2022, 434, 167438.	4.2	7
4	Synthesis of 4-oxotetrahydropyrimidine-1(2H)-carboxamides derivatives as capsid assembly modulators of hepatitis B virus. Medicinal Chemistry Research, 2021, 30, 459-472.	2.4	6
5	Restoration of a functional antiviral immune response to chronic HBV infection by reducing viral antigen load: if not sufficient, is it necessary?. Emerging Microbes and Infections, 2021, 10, 1545-1554.	6.5	12
6	Hepatitis B virus nucleocapsid uncoating: biological consequences and regulation by cellular nucleases. Emerging Microbes and Infections, 2021, 10, 852-864.	6.5	16
7	A Putative Amphipathic Alpha Helix in Hepatitis B Virus Small Envelope Protein Plays a Critical Role in the Morphogenesis of Subviral Particles. Journal of Virology, 2021, 95, .	3.4	4
8	Identification of hepatitis B virus core protein residues critical for capsid assembly, pgRNA encapsidation and resistance to capsid assembly modulators. Antiviral Research, 2021, 191, 105080.	4.1	10
9	Prospects for the Global Elimination of Hepatitis B. Annual Review of Virology, 2021, 8, 437-458.	6.7	26
10	Amino acid residues at core protein dimer-dimer interface modulate multiple steps of hepatitis B virus replication and HBeAg biogenesis. PLoS Pathogens, 2021, 17, e1010057.	4.7	10
11	Hepatitis B Virus Virions Produced Under Nucleos(t)ide Analogue Treatment Are Mainly Not Infectious Because of Irreversible DNA Chain Termination. Hepatology, 2020, 71, 463-476.	7.3	24
12	Development of antibody-based assays for high throughput discovery and mechanistic study of antiviral agents against yellow fever virus. Antiviral Research, 2020, 182, 104907.	4.1	4
13	Targeting the multifunctional HBV core protein as a potential cure for chronic hepatitis B. Antiviral Research, 2020, 182, 104917.	4.1	62
14	Broad and Differential Animal Angiotensin-Converting Enzyme 2 Receptor Usage by SARS-CoV-2. Journal of Virology, 2020, 94, .	3.4	139
15	Protein phosphatase 1 catalyzes HBV core protein dephosphorylation and is co-packaged with viral pregenomic RNA into nucleocapsids. PLoS Pathogens, 2020, 16, e1008669.	4.7	26
16	Have the Starting Lineup of Five for Hepatitis B Virus Covalently Closed Circular DNA Synthesis Been Identified?. Hepatology, 2020, 72, 1142-1144.	7.3	11
17	Bat SARS-Like WIV1 coronavirus uses the ACE2 of multiple animal species as receptor and evades IFITM3 restriction via TMPRSS2 activation of membrane fusion. Emerging Microbes and Infections, 2020, 9, 1567-1579.	6.5	48
18	LY6E Restricts Entry of Human Coronaviruses, Including Currently Pandemic SARS-CoV-2. Journal of Virology, 2020, 94, .	3.4	73

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19	Interferon Alpha Induces Multiple Cellular Proteins That Coordinately Suppress Hepadnaviral Covalently Closed Circular DNA Transcription. Journal of Virology, 2020, 94, .	3.4	18
20	Virological Basis for the Cure of Chronic Hepatitis B. ACS Infectious Diseases, 2019, 5, 659-674.	3.8	43
21	GILT restricts the cellular entry mediated by the envelope glycoproteins of SARS-CoV, Ebola virus and Lassa fever virus. Emerging Microbes and Infections, 2019, 8, 1511-1523.	6.5	26
22	Discovery and Mechanistic Study of a Novel Human-Stimulator-of-Interferon-Genes Agonist. ACS Infectious Diseases, 2019, 5, 1139-1149.	3.8	50
23	DNA Polymerase alpha is essential for intracellular amplification of hepatitis B virus covalently closed circular DNA. PLoS Pathogens, 2019, 15, e1007742.	4.7	59
24	Cellular DNA Topoisomerases Are Required for the Synthesis of Hepatitis B Virus Covalently Closed Circular DNA. Journal of Virology, 2019, 93, .	3.4	53
25	Discovery of Novel Hepatitis B Virus Nucleocapsid Assembly Inhibitors. ACS Infectious Diseases, 2019, 5, 759-768.	3.8	34
26	Hepatitis B Virus Core Protein Dephosphorylation Occurs during Pregenomic RNA Encapsidation. Journal of Virology, 2018, 92, .	3.4	52
27	Identification of Residues Controlling Restriction versus Enhancing Activities of IFITM Proteins on Entry of Human Coronaviruses. Journal of Virology, 2018, 92, .	3.4	97
28	Enhancing the antiviral potency of ER Î±-glucosidase inhibitor IHVR-19029 against hemorrhagic fever viruses in vitro and in vivo. Antiviral Research, 2018, 150, 112-122.	4.1	26
29	Preclinical Profile of AB-423, an Inhibitor of Hepatitis B Virus Pregenomic RNA Encapsidation. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	49
30	A research agenda for curing chronic hepatitis B virus infection. Hepatology, 2018, 67, 1127-1131.	7.3	70
31	In Vitro Anti-hepatitis B Virus Activity of 2â€²,3â€²-Dideoxyguanosine. Virologica Sinica, 2018, 33, 538-544.	3.0	2
32	CpAMs induce assembly of HBV capsids with altered electrophoresis mobility: Implications for mechanism of inhibiting pgRNA packaging. Antiviral Research, 2018, 159, 1-12.	4.1	17
33	IFITM Genes, Variants, and Their Roles in the Control and Pathogenesis of Viral Infections. Frontiers in Microbiology, 2018, 9, 3228.	3.5	129
34	Discovery and Mechanistic Study of Benzamide Derivatives That Modulate Hepatitis B Virus Capsid Assembly. Journal of Virology, 2017, 91, .	3.4	39
35	A cell-based high throughput screening assay for the discovery of cGAS-STING pathway agonists. Antiviral Research, 2017, 147, 37-46.	4.1	55
36	Activation of Stimulator of Interferon Genes in Hepatocytes Suppresses the Replication of Hepatitis B Virus. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	60

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37	The current status and future directions of hepatitis B antiviral drug discovery. Expert Opinion on Drug Discovery, 2017, 12, 5-15.	5.0	44
38	Interferon-inducible ribonuclease ISG20 inhibits hepatitis B virus replication through directly binding to the epsilon stem-loop structure of viral RNA. PLoS Pathogens, 2017, 13, e1006296.	4.7	107
39	HBV core protein allosteric modulators differentially alter cccDNA biosynthesis from de novo infection and intracellular amplification pathways. PLoS Pathogens, 2017, 13, e1006658.	4.7	105
40	DNA Polymerase Î¹ Is a Key Cellular Factor for the Formation of Covalently Closed Circular DNA of Hepatitis B Virus. PLoS Pathogens, 2016, 12, e1005893.	4.7	152
41	Characterization of novel hepadnaviral RNA species accumulated in hepatoma cells treated with viral DNA polymerase inhibitors. Antiviral Research, 2016, 131, 40-48.	4.1	22
42	Identification of Interferon-Stimulated Gene Proteins That Inhibit Human Parainfluenza Virus Type 3. Journal of Virology, 2016, 90, 11145-11156.	3.4	53
43	A Novel Benzodiazepine Compound Inhibits Yellow Fever Virus Infection by Specifically Targeting NS4B Protein. Journal of Virology, 2016, 90, 10774-10788.	3.4	37
44	The Covalently Closed Circular Form of Hepatitis B Virus Genome: Is There Now an End in â€œSiteâ€?. Gastroenterology, 2016, 150, 34-36.	1.3	3
45	Viral DNA-Dependent Induction of Innate Immune Response to Hepatitis B Virus in Immortalized Mouse Hepatocytes. Journal of Virology, 2016, 90, 486-496.	3.4	38
46	Article Commentary: Viral Resistance of MOGS-CDG Patients Implies a Broad-Spectrum Strategy against Acute Virus Infections. Antiviral Therapy, 2015, 20, 257-259.	1.0	19
47	Present and future therapies of hepatitis B: From discovery to cure. Hepatology, 2015, 62, 1893-1908.	7.3	269
48	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. Antimicrobial Agents and Chemotherapy, 2015, 59, 206-216.	3.2	63
49	Hepatitis B Virus Covalently Closed Circular DNA Formation in Immortalized Mouse Hepatocytes Associated with Nucleocapsid Destabilization. Journal of Virology, 2015, 89, 9021-9028.	3.4	49
50	Treatment of chronic hepatitis B with pattern recognition receptor agonists: Current status and potential for a cure. Antiviral Research, 2015, 121, 152-159.	4.1	45
51	Hepatitis D Virus Infection of Mice Expressing Human Sodium Taurocholate Co-transporting Polypeptide. PLoS Pathogens, 2015, 11, e1004840.	4.7	99
52	The Interferon-Inducible Protein Tetherin Inhibits Hepatitis B Virus Virion Secretion. Journal of Virology, 2015, 89, 9200-9212.	3.4	84
53	Metabolism and function of hepatitis B virus cccDNA: Implications for the development of cccDNA-targeting antiviral therapeutics. Antiviral Research, 2015, 122, 91-100.	4.1	122
54	STING Agonists Induce an Innate Antiviral Immune Response against Hepatitis B Virus. Antimicrobial Agents and Chemotherapy, 2015, 59, 1273-1281.	3.2	93

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55	Interferon induction of IFITM proteins promotes infection by human coronavirus OC43. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6756-6761.	7.1	161
56	Therapeutic strategies for a functional cure of chronic hepatitis B virus infection. Acta Pharmaceutica Sinica B, 2014, 4, 248-257.	12.0	48
57	An interferon-beta promoter reporter assay for high throughput identification of compounds against multiple RNA viruses. Antiviral Research, 2014, 107, 56-65.	4.1	18
58	Chronic hepatitis B: What should be the goal for new therapies?. Antiviral Research, 2013, 98, 27-34.	4.1	112
59	A Southern Blot Assay for Detection of Hepatitis B Virus Covalently Closed Circular DNA from Cell Cultures. Methods in Molecular Biology, 2013, 1030, 151-161.	0.9	107
60	Antiviral therapies targeting host ER alpha-glucosidases: Current status and future directions. Antiviral Research, 2013, 99, 251-260.	4.1	98
61	Small molecule inhibitors of ER Î±-glucosidases are active against multiple hemorrhagic fever viruses. Antiviral Research, 2013, 98, 432-440.	4.1	72
62	Design and synthesis of N-alkyldeoxynojirimycin derivatives with improved metabolic stability as inhibitors of BVDV and Tacaribe virus. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4258-4262.	2.2	10
63	Inhibition of Hepatitis B Virus Replication by the Host Zinc Finger Antiviral Protein. PLoS Pathogens, 2013, 9, e1003494.	4.7	204
64	Alpha-Interferon Suppresses Hepadnavirus Transcription by Altering Epigenetic Modification of cccDNA Minichromosomes. PLoS Pathogens, 2013, 9, e1003613.	4.7	135
65	Sulfamoylbenzamide Derivatives Inhibit the Assembly of Hepatitis B Virus Nucleocapsids. Journal of Virology, 2013, 87, 6931-6942.	3.4	154
66	Imino sugar glucosidase inhibitors as broadly active anti-filovirus agents. Emerging Microbes and Infections, 2013, 2, 1-7.	6.5	21
67	Identification of Disubstituted Sulfonamide Compounds as Specific Inhibitors of Hepatitis B Virus Covalently Closed Circular DNA Formation. Antimicrobial Agents and Chemotherapy, 2012, 56, 4277-4288.	3.2	194
68	The innate immune response to hepatitis B virus infection: Implications for pathogenesis and therapy. Antiviral Research, 2012, 96, 405-413.	4.1	58
69	Characterization of the Host Factors Required for Hepadnavirus Covalently Closed Circular (ccc) DNA Formation. PLoS ONE, 2012, 7, e43270.	2.5	49
70	Indoleamine 2,3-Dioxygenase Mediates the Antiviral Effect of Gamma Interferon against Hepatitis B Virus in Human Hepatocyte-Derived Cells. Journal of Virology, 2011, 85, 1048-1057.	3.4	106
71	HBV Drug Resistance Development, Testing, and Prevention. Current Hepatitis Reports, 2010, 9, 223-230.	0.3	1
72	Interferons Accelerate Decay of Replication-Competent Nucleocapsids of Hepatitis B Virus. Journal of Virology, 2010, 84, 9332-9340.	3.4	114

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73	Production and Function of the Cytoplasmic Deproteinized Relaxed Circular DNA of Hepadnaviruses. Journal of Virology, 2010, 84, 387-396.	3.4	113
74	Interferon-Induced Cell Membrane Proteins, IFITM3 and Tetherin, Inhibit Vesicular Stomatitis Virus Infection via Distinct Mechanisms. Journal of Virology, 2010, 84, 12646-12657.	3.4	263
75	Identification of Five Interferon-Induced Cellular Proteins That Inhibit West Nile Virus and Dengue Virus Infections. Journal of Virology, 2010, 84, 8332-8341.	3.4	292
76	Activation of Pattern Recognition Receptor-Mediated Innate Immunity Inhibits the Replication of Hepatitis B Virus in Human Hepatocyte-Derived Cells. Journal of Virology, 2009, 83, 847-858.	3.4	108
77	Novel Imino Sugar Derivatives Demonstrate Potent Antiviral Activity against Flaviviruses. Antimicrobial Agents and Chemotherapy, 2009, 53, 1501-1508.	3.2	74
78	Identification of Three Interferon-Inducible Cellular Enzymes That Inhibit the Replication of Hepatitis C Virus. Journal of Virology, 2008, 82, 1665-1678.	3.4	255
79	A Substituted Tetrahydro-Tetrazolo-Pyrimidine Is a Specific and Novel Inhibitor of Hepatitis B Virus Surface Antigen Secretion. Antimicrobial Agents and Chemotherapy, 2007, 51, 4427-4437.	3.2	88
80	Regulation of Hepatitis B Virus Replication by the Phosphatidylinositol 3-Kinase-Akt Signal Transduction Pathway. Journal of Virology, 2007, 81, 10072-10080.	3.4	124
81	Molecular Virology of Hepatitis B Virus for Clinicians. Clinics in Liver Disease, 2007, 11, 685-706.	2.1	151
82	Characterization of the Intracellular Deproteinized Relaxed Circular DNA of Hepatitis B Virus: an Intermediate of Covalently Closed Circular DNA Formation. Journal of Virology, 2007, 81, 12472-12484.	3.4	267
83	Alpha interferon-induced antiviral response noncytolytically reduces replication defective adenovirus DNA in MDBK cells. Antiviral Research, 2007, 76, 232-240.	4.1	2
84	Hepatitis B virus e antigen production is dependent upon covalently closed circular (ccc) DNA in HepAD38 cell cultures and may serve as a cccDNA surrogate in antiviral screening assays. Antiviral Research, 2006, 72, 116-124.	4.1	86
85	Conditional Replication of Duck Hepatitis B Virus in Hepatoma Cells. Journal of Virology, 2003, 77, 1885-1893.	3.4	68
86	Replication of Hepatitis C Virus Subgenomes in Nonhepatic Epithelial and Mouse Hepatoma Cells. Journal of Virology, 2003, 77, 9204-9210.	3.4	199
87	Does a cdc2 Kinase-Like Recognition Motif on the Core Protein of Hepadnaviruses Regulate Assembly and Disintegration of Capsids?. Journal of Virology, 2001, 75, 2024-2028.	3.4	39
88	Effect of Alpha Interferon on the Hepatitis C Virus Replicon. Journal of Virology, 2001, 75, 8516-8523.	3.4	437
89	Apoptosis and Regeneration of Hepatocytes during Recovery from Transient Hepadnavirus Infections. Journal of Virology, 2000, 74, 1495-1505.	3.4	168