Wenhui Li

List of Publications by Year in descending order

82 papers	18,109 citations	50244 46 h-index	58549 82 g-index
87 all docs	87 docs citations	87 times ranked	24400 citing authors

#	Article	IF	Citations
1	Angiotensin-converting enzyme 2 is a functional receptor for the SARS coronavirus. Nature, 2003, 426, 450-454.	13.7	5,168
2	Structure of SARS Coronavirus Spike Receptor-Binding Domain Complexed with Receptor. Science, 2005, 309, 1864-1868.	6.0	1,790
3	Sodium taurocholate cotransporting polypeptide is a functional receptor for human hepatitis B and D virus. ELife, 2012, 1, e00049.	2.8	1,621
4	Receptor and viral determinants of SARS-coronavirus adaptation to human ACE2. EMBO Journal, 2005, 24, 1634-1643.	3.5	892
5	SARS-CoV-2 spike-protein D614G mutation increases virion spike density and infectivity. Nature Communications, 2020, 11, 6013.	5.8	828
6	A 193-Amino Acid Fragment of the SARS Coronavirus S Protein Efficiently Binds Angiotensin-converting Enzyme 2. Journal of Biological Chemistry, 2004, 279, 3197-3201.	1.6	618
7	Potent neutralization of severe acute respiratory syndrome (SARS) coronavirus by a human mAb to S1 protein that blocks receptor association. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2536-2541.	3.3	543
8	Transferrin receptor 1 is a cellular receptor for New World haemorrhagic fever arenaviruses. Nature, 2007, 446, 92-96.	13.7	374
9	Receptor-binding domain of SARS-CoV spike protein induces highly potent neutralizing antibodies: implication for developing subunit vaccine. Biochemical and Biophysical Research Communications, 2004, 324, 773-781.	1.0	366
10	A global scientific strategy to cure hepatitis B. The Lancet Gastroenterology and Hepatology, 2019, 4, 545-558.	3.7	342
11	SARS Coronavirus, but Not Human Coronavirus NL63, Utilizes Cathepsin L to Infect ACE2-expressing Cells. Journal of Biological Chemistry, 2006, 281, 3198-3203.	1.6	328
12	TIM-family Proteins Promote Infection of Multiple Enveloped Viruses through Virion-associated Phosphatidylserine. PLoS Pathogens, 2013, 9, e1003232.	2.1	288
13	Animal Origins of the Severe Acute Respiratory Syndrome Coronavirus: Insight from ACE2-S-Protein Interactions. Journal of Virology, 2006, 80, 4211-4219.	1.5	247
14	Retroviruses Pseudotyped with the Severe Acute Respiratory Syndrome Coronavirus Spike Protein Efficiently Infect Cells Expressing Angiotensin-Converting Enzyme 2. Journal of Virology, 2004, 78, 10628-10635.	1.5	240
15	Human Coronavirus HKU1 Spike Protein Uses O -Acetylated Sialic Acid as an Attachment Receptor Determinant and Employs Hemagglutinin-Esterase Protein as a Receptor-Destroying Enzyme. Journal of Virology, 2015, 89, 7202-7213.	1.5	218
16	Viral Entry of Hepatitis B and D Viruses and Bile Salts Transportation Share Common Molecular Determinants on Sodium Taurocholate Cotransporting Polypeptide. Journal of Virology, 2014, 88, 3273-3284.	1.5	210
17	Tyrosine Sulfation of Human Antibodies Contributes to Recognition of the CCR5 Binding Region of HIV-1 gp120. Cell, 2003, 114, 161-170.	13.5	186
18	Antibody responses against SARS coronavirus are correlated with disease outcome of infected individuals. Journal of Medical Virology, 2006, 78, 1-8.	2.5	180

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19	Molecular Determinants of Hepatitis B and D Virus Entry Restriction in Mouse Sodium Taurocholate Cotransporting Polypeptide. Journal of Virology, 2013, 87, 7977-7991.	1.5	167
20	Efficient Replication of Severe Acute Respiratory Syndrome Coronavirus in Mouse Cells Is Limited by Murine Angiotensin-Converting Enzyme 2. Journal of Virology, 2004, 78, 11429-11433.	1.5	164
21	DNA Polymerase Î² Is a Key Cellular Factor for the Formation of Covalently Closed Circular DNA of Hepatitis B Virus. PLoS Pathogens, 2016, 12, e1005893.	2.1	152
22	Evaluation of Human Monoclonal Antibody 80R for Immunoprophylaxis of Severe Acute Respiratory Syndrome by an Animal Study, Epitope Mapping, and Analysis of Spike Variants. Journal of Virology, 2005, 79, 5900-5906.	1.5	145
23	The S proteins of human coronavirus NL63 and severe acute respiratory syndrome coronavirus bind overlapping regions of ACE2. Virology, 2007, 367, 367-374.	1.1	145
24	Sulphated tyrosines mediate association of chemokines and Plasmodium vivax Duffy binding protein with the Duffy antigen/receptor for chemokines (DARC). Molecular Microbiology, 2005, 55, 1413-1422.	1.2	136
25	Alpha-Interferon Suppresses Hepadnavirus Transcription by Altering Epigenetic Modification of cccDNA Minichromosomes. PLoS Pathogens, 2013, 9, e1003613.	2.1	135
26	Dual-targeting nanoparticle vaccine elicits a therapeutic antibody response against chronic hepatitis B. Nature Nanotechnology, 2020, 15, 406-416.	15.6	134
27	Influenza A Virus Neuraminidase Limits Viral Superinfection. Journal of Virology, 2008, 82, 4834-4843.	1.5	130
28	NTCP and Beyond: Opening the Door to Unveil Hepatitis B Virus Entry. International Journal of Molecular Sciences, 2014, 15, 2892-2905.	1.8	123
29	Conformational States of the Severe Acute Respiratory Syndrome Coronavirus Spike Protein Ectodomain. Journal of Virology, 2006, 80, 6794-6800.	1.5	120
30	Molecular Determinants of Enterovirus 71 Viral Entry. Journal of Biological Chemistry, 2012, 287, 6406-6420.	1.6	118
31	Conserved Receptor-binding Domains of Lake Victoria Marburgvirus and Zaire Ebolavirus Bind a Common Receptor. Journal of Biological Chemistry, 2006, 281, 15951-15958.	1.6	115
32	Cross-Neutralization of Human and Palm Civet Severe Acute Respiratory Syndrome Coronaviruses by Antibodies Targeting the Receptor-Binding Domain of Spike Protein. Journal of Immunology, 2006, 176, 6085-6092.	0.4	108
33	HBV core protein allosteric modulators differentially alter cccDNA biosynthesis from de novo infection and intracellular amplification pathways. PLoS Pathogens, 2017, 13, e1006658.	2.1	105
34	Hepatitis D Virus Infection of Mice Expressing Human Sodium Taurocholate Co-transporting Polypeptide. PLoS Pathogens, 2015, 11, e1004840.	2.1	99
35	Entry of hepatitis B and hepatitis D virus into hepatocytes: Basic insights and clinical implications. Journal of Hepatology, 2016, 64, S32-S40.	1.8	98
36	Nonmuscle Myosin Heavy Chain IIA Is a Critical Factor Contributing to the Efficiency of Early Infection of Severe Fever with Thrombocytopenia Syndrome Virus. Journal of Virology, 2014, 88, 237-248.	1.5	93

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37	A potent human neutralizing antibody Fc-dependently reduces established HBV infections. ELife, 2017, 6, .	2.8	81
38	Receptor Usage of a Novel Bat Lineage C Betacoronavirus Reveals Evolution of Middle East Respiratory Syndrome-Related Coronavirus Spike Proteins for Human Dipeptidyl Peptidase 4 Binding. Journal of Infectious Diseases, 2018, 218, 197-207.	1.9	80
39	Structural Basis for Activation and Inhibition of the Secreted Chlamydia Protease CPAF. Cell Host and Microbe, 2008, 4, 529-542.	5.1	79
40	Enforced PGC-1Î± expression promotes CD8 T cell fitness, memory formation and antitumor immunity. Cellular and Molecular Immunology, 2021, 18, 1761-1771.	4.8	73
41	NTCP opens the door for hepatitis B virus infection. Antiviral Research, 2015, 121, 24-30.	1.9	70
42	The Hepatitis B Virus Receptor. Annual Review of Cell and Developmental Biology, 2015, 31, 125-147.	4.0	61
43	Development and effectiveness of pseudotyped SARS-CoV-2 system as determined by neutralizing efficiency and entry inhibition test in vitro. Biosafety and Health, 2020, 2, 226-231.	1.2	60
44	Sodium Taurocholate Cotransporting Polypeptide Mediates Woolly Monkey Hepatitis B Virus Infection of Tupaia Hepatocytes. Journal of Virology, 2013, 87, 7176-7184.	1.5	57
45	Tyrosine-sulfated Peptides Functionally Reconstitute a CCR5 Variant Lacking a Critical Amino-terminal Region. Journal of Biological Chemistry, 2002, 277, 40397-40402.	1.6	54
46	Siteâ€Specific Engineering of Chemical Functionalities on the Surface of Live Hepatitisâ€…D Virus. Angewandte Chemie - International Edition, 2013, 52, 13970-13974.	7.2	52
47	NTCP-Reconstituted In Vitro HBV Infection System. Methods in Molecular Biology, 2017, 1540, 1-14.	0.4	47
48	Severe fever with thrombocytopenia syndrome phlebovirus non-structural protein activates TPL2 signalling pathway for viral immunopathogenesis. Nature Microbiology, 2019, 4, 429-437.	5.9	46
49	Modification of Three Amino Acids in Sodium Taurocholate Cotransporting Polypeptide Renders Mice Susceptible to Infection with Hepatitis D Virus In Vivo. Journal of Virology, 2016, 90, 8866-8874.	1.5	41
50	Silencing Retinoid X Receptor Alpha Expression Enhances Early-Stage Hepatitis B Virus Infection In Cell Cultures. Journal of Virology, 2018, 92, .	1.5	36
51	Sleep Duration and Cardiometabolic Risk Among Chinese School-aged Children: Do Adipokines Play a Mediating Role?. Sleep, 2017, 40, .	0.6	26
52	Lack of antibody-mediated cross-protection between SARS-CoV-2 and SARS-CoV infections. EBioMedicine, 2020, 58, 102890.	2.7	25
53	Development and Evaluation of a Pseudovirus-Luciferase Assay for Rapid and Quantitative Detection of Neutralizing Antibodies against Enterovirus 71. PLoS ONE, 2013, 8, e64116.	1.1	25
54	The History and Challenges of Blood Donor Screening in China. Transfusion Medicine Reviews, 2017, 31, 89-93.	0.9	24

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55	Transcriptionally inactive hepatitis B virus episome DNA preferentially resides in the vicinity of chromosome 19 in 3D host genome upon infection. Cell Reports, 2021, 35, 109288.	2.9	24
56	Increased sulfation of bile acids in mice and human subjects with sodium taurocholate cotransporting polypeptide deficiency. Journal of Biological Chemistry, 2019, 294, 11853-11862.	1.6	22
57	SARS-CoV, But not HCoV-NL63, Utilizes Cathepsins to Infect Cells: Viral Entry. Advances in Experimental Medicine and Biology, 2006, 581, 335-338.	0.8	21
58	Sodium Taurocholate Cotransporting Polypeptide Acts as a Receptor for Hepatitis B and D Virus. Digestive Diseases, 2015, 33, 388-396.	0.8	20
59	Woodchuck sodium taurocholate cotransporting polypeptide supports low-level hepatitis B and D virus entry. Virology, 2017, 505, 1-11.	1.1	20
60	An Engineered Receptor-Binding Domain Improves the Immunogenicity of Multivalent SARS-CoV-2 Vaccines. MBio, 2021, 12, .	1.8	20
61	Insights from the Association of SARS-CoV S-Protein with its Receptor, ACE2. Advances in Experimental Medicine and Biology, 2006, 581, 209-218.	0.8	20
62	miR-375 and miR-30d in the Effect of Chromium-Containing Chinese Medicine Moderating Glucose Metabolism. Journal of Diabetes Research, 2014, 2014, 1-6.	1.0	17
63	Severe Acute Respiratory Syndrome Coronavirus Entry as a Target of Antiviral Therapies. Antiviral Therapy, 2007, 12, 639-650.	0.6	17
64	The p.Ser267Phe variant of sodium taurocholate cotransporting polypeptide (NTCP) supports HBV infection with a low efficiency. Virology, 2018, 522, 168-176.	1.1	16
65	microRNA expression in hepatitis B virus infected primary treeshrew hepatocytes and the independence of intracellular miR-122 level for de novo HBV infection in culture. Virology, 2014, 448, 247-254.	1.1	15
66	Mitochondrial Damage and the Road to Exhaustion. Cell Metabolism, 2020, 32, 905-907.	7.2	13
67	Animal models for the study of human hepatitis B and D virus infection: New insights and progress. Antiviral Research, 2020, 182, 104898.	1.9	13
68	Potent and Specific Inhibition of NTCP-Mediated HBV/HDV Infection and Substrate Transporting by a Novel, Oral-Available Cyclosporine A Analogue. Journal of Medicinal Chemistry, 2021, 64, 543-565.	2.9	12
69	Interactions Between Sars Coronavirus and its Receptor. Advances in Experimental Medicine and Biology, 2006, 581, 229-234.	0.8	11
70	DExD/H-box helicase 9 intrinsically controls CD8 ⁺ T cellâ€“mediated antiviral response through noncanonical mechanisms. Science Advances, 2022, 8, eabk2691.	4.7	11
71	The immune response of rhesus macaques to novel vaccines comprising hepatitis B virus S, PreS1, and Core antigens. Vaccine, 2018, 36, 3740-3746.	1.7	8
72	Role of highâ€risk variants in the development of impaired glucose metabolism was modified by birth weight in Han Chinese. Diabetes/Metabolism Research and Reviews, 2015, 31, 790-795.	1.7	7

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73	Recombinant vaccinia vector-based vaccine (Tiantan) boosting a novel HBV subunit vaccine induced more robust and lasting immunity in rhesus macaques. Vaccine, 2017, 35, 3347-3353.	1.7	7
74	NTCP Deficiency Causes Gallbladder Abnormalities in Mice and Human Beings. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 831-839.	2.3	7
75	Design of Dimeric Bile Acid Derivatives as Potent and Selective Human NTCP Inhibitors. Journal of Medicinal Chemistry, 2021, 64, 5973-6007.	2.9	7
76	A rapid and quantitative assay for measuring neutralizing antibodies of Coxsackievirus B3. Journal of Virological Methods, 2016, 232, 1-7.	1.0	6
77	Entry of hepatitis B virus: going beyond NTCP to the nucleus. Current Opinion in Virology, 2021, 50, 97-102.	2.6	5
78	Novel Abs targeting the Nâ€terminus of fibroblast growth factorÂ19 inhibit hepatocellular carcinoma growth without bileâ€acidâ€related sideâ€effects. Cancer Science, 2020, 111, 1750-1760.	1.7	5
79	Animal Models for Hepatitis B: Does the Supply Meet the Demand?. Gastroenterology, 2021, 160, 1437-1442.	0.6	4
80	Phenotypic and functional characterizations of CD8+ T cell populations in malignant pleural effusion. Experimental Cell Research, 2022, 417, 113212.	1.2	4
81	Elevated CD38 expression characterizes impaired CD8+ T cell immune response in metastatic pleural effusions. Immunology Letters, 2022, 245, 61-68.	1.1	2
82	Angiotensin-Converting Enzyme 2, the Cellular Receptor for Severe Acute Respiratory Syndrome Coronavirus and Human Coronavirus NL63. , 0, , 147-156.		1