

# Leiliang Zhang

## List of Publications by Year in descending order

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78  
papers

2,712  
citations

186265

28  
h-index

197818

49  
g-index

87  
all docs

87  
docs citations

87  
times ranked

4697  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spike protein recognition of mammalian ACE2 predicts the host range and an optimized ACE2 for SARS-CoV-2 infection. <i>Biochemical and Biophysical Research Communications</i> , 2020, 526, 165-169.	2.1	338
2	Hepatitis C Virus Regulates Transforming Growth Factor $\beta$ 1 Production Through the Generation of Reactive Oxygen Species in a Nuclear Factor $\kappa$ B-Dependent Manner. <i>Gastroenterology</i> , 2010, 138, 2509-2518.e1.	1.3	177
3	A role for phosphatidic acid in COPI vesicle fission yields insights into Golgi maintenance. <i>Nature Cell Biology</i> , 2008, 10, 1146-1153.	10.3	147
4	SARS-CoV-2 spike protein favors ACE2 from <i>Bovidae</i> and <i>Cricetidae</i> . <i>Journal of Medical Virology</i> , 2020, 92, 1649-1656.	5.0	129
5	IL28B inhibits hepatitis C virus replication through the JAK-STAT pathway. <i>Journal of Hepatology</i> , 2011, 55, 289-298.	3.7	120
6	HIV and HCV Cooperatively Promote Hepatic Fibrogenesis via Induction of Reactive Oxygen Species and NF $\kappa$ B. <i>Journal of Biological Chemistry</i> , 2011, 286, 2665-2674.	3.4	99
7	A role for BARS at the fission step of COPI vesicle formation from Golgi membrane. <i>EMBO Journal</i> , 2005, 24, 4133-4143.	7.8	93
8	Hepatitis C Virus NS5A Disrupts STAT1 Phosphorylation and Suppresses Type I Interferon Signaling. <i>Journal of Virology</i> , 2012, 86, 8581-8591.	3.4	73
9	Key components of the fission machinery are interchangeable. <i>Nature Cell Biology</i> , 2006, 8, 1376-1382.	10.3	70
10	M062 Is a Host Range Factor Essential for Myxoma Virus Pathogenesis and Functions as an Antagonist of Host SAMD9 in Human Cells. <i>Journal of Virology</i> , 2011, 85, 3270-3282.	3.4	68
11	Analysis of Vaccinia Virus-Host Protein-Protein Interactions: Validations of Yeast Two-Hybrid Screenings. <i>Journal of Proteome Research</i> , 2009, 8, 4311-4318.	3.7	65
12	Poxvirus Proteomics and Virus-Host Protein Interactions. <i>Microbiology and Molecular Biology Reviews</i> , 2009, 73, 730-749.	6.6	63
13	A functional genomic screen reveals novel host genes that mediate interferon-alpha's effects against hepatitis C virus. <i>Journal of Hepatology</i> , 2012, 56, 326-333.	3.7	60
14	ARF1 and GBF1 Generate a PI4P-Enriched Environment Supportive of Hepatitis C Virus Replication. <i>PLoS ONE</i> , 2012, 7, e32135.	2.5	57
15	Enterovirus 71 2C Protein Inhibits NF $\kappa$ B Activation by Binding to RelA(p65). <i>Scientific Reports</i> , 2015, 5, 14302.	3.3	55
16	Fatty Acid Synthase Promotes the Palmitoylation of Chikungunya Virus nsP1. <i>Journal of Virology</i> , 2019, 93, .	3.4	51
17	HIV infection increases HCV-induced hepatocyte apoptosis. <i>Journal of Hepatology</i> , 2011, 54, 612-620.	3.7	50
18	Recent Progress in Vaccine Development Against Chikungunya Virus. <i>Frontiers in Microbiology</i> , 2019, 10, 2881.	3.5	49

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19	Interplay between poxviruses and the cellular ubiquitin/ubiquitin-like pathways. <i>FEBS Letters</i> , 2009, 583, 607-614.	2.8	42
20	Hepatitis C virus NS5A drives a PTEN-PI3K/Akt feedback loop to support cell survival. <i>Liver International</i> , 2015, 35, 1682-1691.	3.9	42
21	G-Quadruplexes Are Present in Human Coronaviruses Including SARS-CoV-2. <i>Frontiers in Microbiology</i> , 2020, 11, 567317.	3.5	42
22	Suppressor of Cytokine Signaling 3 Suppresses Hepatitis C Virus Replication in an mTOR-Dependent Manner. <i>Journal of Virology</i> , 2010, 84, 6060-6069.	3.4	41
23	Social media WeChat infers the development trend of COVID-19. <i>Journal of Infection</i> , 2020, 81, e82-e83.	3.3	40
24	Molecular docking of potential SARS-CoV-2 papain-like protease inhibitors. <i>Biochemical and Biophysical Research Communications</i> , 2021, 538, 72-79.	2.1	39
25	A Genetic Screen Identifies Interferon- $\lambda$ Effector Genes Required to Suppress Hepatitis C Virus Replication. <i>Gastroenterology</i> , 2013, 144, 1438-1449.e9.	1.3	37
26	A potential inhibitory role for integrin in the receptor targeting of SARS-CoV-2. <i>Journal of Infection</i> , 2020, 81, 318-356.	3.3	35
27	Hepatitis C Virus NS5A Hijacks ARFGAP1 To Maintain a Phosphatidylinositol 4-Phosphate-Enriched Microenvironment. <i>Journal of Virology</i> , 2014, 88, 5956-5966.	3.4	34
28	Palmitoylation of SARS-CoV-2 S protein is critical for $\alpha$ -mediated syncytia formation and virus entry. <i>Journal of Medical Virology</i> , 2022, 94, 342-348.	5.0	32
29	A role for the host coatamer and KDEL receptor in early vaccinia biogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 163-168.	7.1	31
30	ACE2 partially dictates the host range and tropism of SARS-CoV-2. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 4040-4047.	4.1	31
31	Aspirin inhibits hepatitis C virus entry by downregulating claudin-1. <i>Journal of Viral Hepatitis</i> , 2016, 23, 62-64.	2.0	29
32	A role for retromer in hepatitis C virus replication. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 869-881.	5.4	28
33	The AMPK-related kinase SNARK regulates hepatitis C virus replication and pathogenesis through enhancement of TGF- $\beta$ signaling. <i>Journal of Hepatology</i> , 2013, 59, 942-948.	3.7	26
34	Inhibition of Macrophage Activation by the Myxoma Virus M141 Protein (vCD200). <i>Journal of Virology</i> , 2009, 83, 9602-9607.	3.4	24
35	The <i>Rhinolophus affinis</i> bat ACE2 and multiple animal orthologs are functional receptors for bat coronavirus RaTG13 and SARS-CoV-2. <i>Science Bulletin</i> , 2021, 66, 1215-1227.	9.0	24
36	Targeting F13 from monkeypox virus and variola virus by tecovirimat: Molecular simulation analysis. <i>Journal of Infection</i> , 2022, 85, e99-e101.	3.3	24

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37	SOCS1 abrogates IFN $\alpha$ 's antiviral effect on hepatitis C virus replication. <i>Antiviral Research</i> , 2013, 97, 101-107.	4.1	21
38	p53 controls hepatitis C virus non-structural protein 5A-mediated downregulation of GADD45 $\beta$ expression via the NF- $\kappa$ B and PI3K $\rightarrow$ Akt pathways. <i>Journal of General Virology</i> , 2013, 94, 326-335.	2.9	20
39	Key components of COPI and COPII machineries are required for chikungunya virus replication. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 1190-1196.	2.1	19
40	DNA-Sensing Antiviral Innate Immunity in Poxvirus Infection. <i>Frontiers in Immunology</i> , 2020, 11, 1637.	4.8	17
41	Hepatitis C virus NS5A competes with PI4KB for binding to ACBD3 in a genotype-dependent manner. <i>Antiviral Research</i> , 2014, 107, 50-55.	4.1	16
42	Sec24C-Dependent Transport of Claudin-1 Regulates Hepatitis C Virus Entry. <i>Journal of Virology</i> , 2017, 91, .	3.4	16
43	Host restriction factors for hepatitis C virus. <i>World Journal of Gastroenterology</i> , 2016, 22, 1477.	3.3	16
44	Hepatitis C virus NS5A protein cooperates with phosphatidylinositol 4-kinase III $\beta$ to induce mitochondrial fragmentation. <i>Scientific Reports</i> , 2016, 6, 23464.	3.3	14
45	ACE2 isoform diversity predicts the host susceptibility of SARS $\alpha$ CoV $\beta$ 2. <i>Transboundary and Emerging Diseases</i> , 2021, 68, 1026-1032.	3.0	13
46	Functional properties of a recombinant chimeric plasminogen activator with platelet-targeted fibrinolytic and anticoagulant potential. <i>Molecular Genetics and Metabolism</i> , 2004, 82, 304-311.	1.1	12
47	Cellular interactome analysis of vaccinia virus K7 protein identifies three transport machineries as binding partners for K7. <i>Virus Genes</i> , 2017, 53, 814-822.	1.6	12
48	Key Components of Inflammasome and Pyroptosis Pathways Are Deficient in Canines and Felines, Possibly Affecting Their Response to SARS-CoV-2 Infection. <i>Frontiers in Immunology</i> , 2020, 11, 592622.	4.8	12
49	ARF1 activation dissociates ADRP from lipid droplets to promote HCV assembly. <i>Biochemical and Biophysical Research Communications</i> , 2016, 475, 31-36.	2.1	11
50	A screen for inhibitory peptides of hepatitis C virus identifies a novel entry inhibitor targeting E1 and E2. <i>Scientific Reports</i> , 2017, 7, 3976.	3.3	11
51	Host proviral and antiviral factors for SARS-CoV-2. <i>Virus Genes</i> , 2021, 57, 475-488.	1.6	11
52	Impact of non-pharmaceutical interventions during COVID-19 pandemic on pertussis, scarlet fever and hand-foot-mouth disease in China. <i>Journal of Infection</i> , 2022, 84, e13-e15.	3.3	11
53	Co-Immunization With CHIKV VLP and DNA Vaccines Induces a Promising Humoral Response in Mice. <i>Frontiers in Immunology</i> , 2021, 12, 655743.	4.8	9
54	G $\alpha$ -quadruplex ligands inhibit chikungunya virus replication. <i>Journal of Medical Virology</i> , 2022, 94, 2519-2527.	5.0	9

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55	Enhanced antiviral and antifibrotic effects of short hairpin RNAs targeting HBV and TGF- $\beta$ 2 in HBV-persistent mice. <i>Scientific Reports</i> , 2017, 7, 3860.	3.3	8
56	SR-BI Interactome Analysis Reveals a Proviral Role for UGGT1 in Hepatitis C Virus Entry. <i>Frontiers in Microbiology</i> , 2019, 10, 2043.	3.5	7
57	<scp>COPII</scp> cargo claudin-12 promotes hepatitis C virus entry. <i>Journal of Viral Hepatitis</i> , 2019, 26, 308-312.	2.0	7
58	The Impact of COVID-19 Interventions on Influenza and Mycobacterium Tuberculosis Infection. <i>Frontiers in Public Health</i> , 2021, 9, 672568.	2.7	7
59	The emerging roles of retromer and sorting nexins in the life cycle of viruses. <i>Virologica Sinica</i> , 2022, 37, 321-330.	3.0	7
60	Low incidence rate of diarrhoea in COVID-19 patients is due to integrin. <i>Journal of Infection</i> , 2021, 83, 496-522.	3.3	6
61	Characterization of G-Quadruplexes in Enterovirus A71 Genome and Their Interaction with G-Quadruplex Ligands. <i>Microbiology Spectrum</i> , 2022, 10, e0046022.	3.0	6
62	Retromer localizes to autophagosomes during HCV replication. <i>Virologica Sinica</i> , 2017, 32, 245-248.	3.0	5
63	Inhibition of endocytic recycling of ACE2 by SARS-CoV-2 S protein partially explains multiple COVID-19 related diseases caused by ACE2 reduction. <i>Journal of Infection</i> , 2022, 85, e21-e23.	3.3	5
64	Interplay between hepatitis C virus and ARF4. <i>Virologica Sinica</i> , 2017, 32, 533-536.	3.0	4
65	NAP1L1 Regulates Hepatitis C Virus Entry and Interacts with NS3. <i>Virologica Sinica</i> , 2018, 33, 205-208.	3.0	4
66	Elucidating the Host Interactome of EV-A71 2C Reveals Viral Dependency Factors. <i>Frontiers in Microbiology</i> , 2019, 10, 636.	3.5	4
67	Intraviral interactome of Chikungunya virus reveals the homo-oligomerization and palmitoylation of structural protein TF. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 919-924.	2.1	4
68	Emerging Role for Acyl-CoA Binding Domain Containing 3 at Membrane Contact Sites During Viral Infection. <i>Frontiers in Microbiology</i> , 2020, 11, 608.	3.5	4
69	SNX27-mediated endocytic recycling of GLUT1 is suppressed by SARS-CoV-2 spike, possibly explaining neuromuscular disorders in patients with COVID-19. <i>Journal of Infection</i> , 2022, 85, e116-e118.	3.3	4
70	High level of defensin alpha 5 in intestine may explain the low incidence of diarrhoea in COVID-19 patients. <i>European Journal of Gastroenterology and Hepatology</i> , 2020, Publish Ahead of Print, e3-e4.	1.6	3
71	Progress on Poxvirus E3 Ubiquitin Ligases and Adaptor Proteins. <i>Frontiers in Immunology</i> , 2021, 12, 740223.	4.8	3
72	Single-cell RNA sequencing analysis of liver reveals the enhanced entry and release abilities of human adenovirus F41, partially explaining acute hepatitis in children. <i>Journal of Infection</i> , 2022, 85, 334-363.	3.3	3

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73	A highly efficient in vivo plasmid editing tool based on CRISPR-Cas12a and phage $\lambda$ Red recombineering. <i>Journal of Genetics and Genomics</i> , 2019, 46, 455-458.	3.9	2
74	The high expression of key components of inflammasome and pyroptosis might lead to severe COVID-19 infection in cancer patients. <i>Journal of Infection</i> , 2022, 84, e19-e21.	3.3	2
75	Expression and characterization of ARSP1 from <i>Eisenia fetida</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2004, 137, 115-122.	2.6	1
76	Ataxin-10 is involved in Golgi membrane dynamics. <i>Journal of Genetics and Genomics</i> , 2017, 44, 549-552.	3.9	1
77	Domain I of hepatitis C virus NS5A associates with ACBD3 in a genotype-dependent manner. <i>Microbiology and Immunology</i> , 2020, 64, 574-577.	1.4	0
78	Reduced incidence of acute pharyngitis and increased incidence of chronic pharyngitis under COVID-19 control strategy in Beijing. <i>Journal of Infection</i> , 2022, , .	3.3	0