

Shan-Lu Liu

List of Publications by Year in descending order

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68
papers

4,087
citations

136740

32
h-index

128067

60
g-index

82
all docs

82
docs citations

82
times ranked

4300
citing authors

#	ARTICLE	IF	CITATIONS
1	The IFITM Proteins Inhibit HIV-1 Infection. <i>Journal of Virology</i> , 2011, 85, 2126-2137.	1.5	345
2	IFITM Proteins Restrict Viral Membrane Hemifusion. <i>PLoS Pathogens</i> , 2013, 9, e1003124.	2.1	310
3	Dual HIV-1 infection associated with rapid disease progression. <i>Lancet, The</i> , 2004, 363, 619-622.	6.3	189
4	The N-Terminal Region of IFITM3 Modulates Its Antiviral Activity by Regulating IFITM3 Cellular Localization. <i>Journal of Virology</i> , 2012, 86, 13697-13707.	1.5	162
5	Neutralization of the SARS-CoV-2 Omicron BA.4/5 and BA.2.12.1 Subvariants. <i>New England Journal of Medicine</i> , 2022, 386, 2526-2528.	13.9	153
6	Neutralizing antibody responses elicited by SARS-CoV-2 mRNA vaccination wane over time and are boosted by breakthrough infection. <i>Science Translational Medicine</i> , 2022, 14, eabn8057.	5.8	150
7	SARS-CoV-2 spreads through cell-to-cell transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	145
8	IFITM Proteins Restrict HIV-1 Infection by Antagonizing the Envelope Glycoprotein. <i>Cell Reports</i> , 2015, 13, 145-156.	2.9	133
9	Evolution of Hepatitis C Virus Quasispecies in Hypervariable Region 1 and the Putative Interferon Sensitivity-Determining Region during Interferon Therapy and Natural Infection. <i>Journal of Virology</i> , 1998, 72, 4288-4296.	1.5	131
10	The Transmembrane Domain of BST-2 Determines Its Sensitivity to Down-Modulation by Human Immunodeficiency Virus Type 1 Vpu. <i>Journal of Virology</i> , 2009, 83, 7536-7546.	1.5	114
11	Identification of an endocytic signal essential for the antiviral action of IFITM3. <i>Cellular Microbiology</i> , 2014, 16, 1080-1093.	1.1	114
12	Neutralization of SARS-CoV-2 Omicron sub-lineages BA.1, BA.1.1, and BA.2. <i>Cell Host and Microbe</i> , 2022, 30, 1093-1102.e3.	5.1	114
13	Hyaluronidase 2 negatively regulates RON receptor tyrosine kinase and mediates transformation of epithelial cells by jaagsiekte sheep retrovirus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 4580-4585.	3.3	88
14	Emerging Viruses without Borders: The Wuhan Coronavirus. <i>Viruses</i> , 2020, 12, 130.	1.5	88
15	Neutralizing antibody against SARS-CoV-2 spike in COVID-19 patients, health care workers, and convalescent plasma donors. <i>JCI Insight</i> , 2020, 5, .	2.3	86
16	Genetic Evaluation of Suspected Cases of Transient HIV-1 Infection of Infants. <i>Science</i> , 1998, 280, 1073-1077.	6.0	68
17	Selection for Human Immunodeficiency Virus Type 1 Recombinants in a Patient with Rapid Progression to AIDS. <i>Journal of Virology</i> , 2002, 76, 10674-10684.	1.5	68
18	TIM-family proteins inhibit HIV-1 release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3699-707.	3.3	68

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19	Role of host factors in SARS-CoV-2 entry. <i>Journal of Biological Chemistry</i> , 2021, 297, 100847.	1.6	67
20	Envelope-Induced Cell Transformation by Ovine Betaretroviruses. <i>Journal of Virology</i> , 2002, 76, 5387-5394.	1.5	64
21	Putative Phosphatidylinositol 3-Kinase (PI3K) Binding Motifs in Ovine Betaretrovirus Env Proteins Are Not Essential for Rodent Fibroblast Transformation and PI3K/Akt Activation. <i>Journal of Virology</i> , 2003, 77, 7924-7935.	1.5	63
22	Role of Virus Receptor Hyal2 in Oncogenic Transformation of Rodent Fibroblasts by Sheep Betaretrovirus Env Proteins. <i>Journal of Virology</i> , 2003, 77, 2850-2858.	1.5	62
23	COVID-19 mRNA booster vaccines elicit strong protection against SARS-CoV-2 Omicron variant in patients with cancer. <i>Cancer Cell</i> , 2022, 40, 117-119.	7.7	61
24	Oncogenic transformation by the jaagsiekte sheep retrovirus envelope protein. <i>Oncogene</i> , 2007, 26, 789-801.	2.6	60
25	Short-peptide fusion inhibitors with high potency against wild-type and enfuvirtide-resistant HIV-1. <i>FASEB Journal</i> , 2013, 27, 1203-1213.	0.2	54
26	Transformation of Madin-Darby Canine Kidney Epithelial Cells by Sheep Retrovirus Envelope Proteins. <i>Journal of Virology</i> , 2005, 79, 927-933.	1.5	53
27	Interferon-induced transmembrane proteins inhibit cell fusion mediated by trophoblast syncytins. <i>Journal of Biological Chemistry</i> , 2019, 294, 19844-19851.	1.6	53
28	Interferon-inducible LY6E Protein Promotes HIV-1 Infection. <i>Journal of Biological Chemistry</i> , 2017, 292, 4674-4685.	1.6	52
29	A Sorting Signal Suppresses IFITM1 Restriction of Viral Entry. <i>Journal of Biological Chemistry</i> , 2015, 290, 4248-4259.	1.6	38
30	The V3 Loop of HIV-1 Env Determines Viral Susceptibility to IFITM3 Impairment of Viral Infectivity. <i>Journal of Virology</i> , 2017, 91, .	1.5	37
31	Emerging Role of LY6E in Virus-Host Interactions. <i>Viruses</i> , 2019, 11, 1020.	1.5	37
32	Primate lentiviruses are differentially inhibited by interferon-induced transmembrane proteins. <i>Virology</i> , 2015, 474, 10-18.	1.1	36
33	HIV-1 mutates to evade IFITM1 restriction. <i>Virology</i> , 2014, 454-455, 11-24.	1.1	35
34	Induction of Cell-Cell Fusion by Ebola Virus Glycoprotein: Low pH Is Not a Trigger. <i>PLoS Pathogens</i> , 2016, 12, e1005373.	2.1	34
35	Neutralization of SARS-CoV-2 Variants of Concern Harboring Q677H. <i>MBio</i> , 2021, 12, e0251021.	1.8	33
36	Jaagsiekte Sheep Retrovirus Utilizes a pH-Dependent Endocytosis Pathway for Entry. <i>Journal of Virology</i> , 2008, 82, 2555-2559.	1.5	32

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37	Multifaceted Roles of TIM-Family Proteins in Virus-Host Interactions. <i>Trends in Microbiology</i> , 2020, 28, 224-235.	3.5	32
38	Impaired neutralizing antibody response to COVID-19 mRNA vaccines in cancer patients. <i>Cell and Bioscience</i> , 2021, 11, 197.	2.1	32
39	The C-Terminal Sequence of IFITM1 Regulates Its Anti-HIV-1 Activity. <i>PLoS ONE</i> , 2015, 10, e0118794.	1.1	29
40	TIM-mediated inhibition of HIV-1 release is antagonized by Nef but potentiated by SERINC proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5705-5714.	3.3	28
41	Receptor Binding and Low pH Coactivate Oncogenic Retrovirus Envelope-Mediated Fusion. <i>Journal of Virology</i> , 2009, 83, 11447-11455.	1.5	27
42	Exogenous expression of SAMHD1 inhibits proliferation and induces apoptosis in cutaneous T-cell lymphoma-derived HuT78 cells. <i>Cell Cycle</i> , 2017, 16, 179-188.	1.3	26
43	Fusogenicity of Jaagsiekte Sheep Retrovirus Envelope Protein Is Dependent on Low pH and Is Enhanced by Cytoplasmic Tail Truncations. <i>Journal of Virology</i> , 2008, 82, 2543-2554.	1.5	25
44	Neutralization of the SARS-CoV-2 Deltacron and BA.3 Variants. <i>New England Journal of Medicine</i> , 2022, 386, 2340-2342.	13.9	25
45	Enzootic Nasal Tumor Virus Envelope Requires a Very Acidic pH for Fusion Activation and Infection. <i>Journal of Virology</i> , 2008, 82, 9023-9034.	1.5	24
46	Correlation of Apical Fluid-Regulating Channel Proteins with Lung Function in Human COPD Lungs. <i>PLoS ONE</i> , 2014, 9, e109725.	1.1	23
47	Nonhuman Primate IFITM Proteins Are Potent Inhibitors of HIV and SIV. <i>PLoS ONE</i> , 2016, 11, e0156739.	1.1	23
48	Jaagsiekte Sheep Retrovirus Envelope Efficiently Pseudotypes Human Immunodeficiency Virus Type 1-Based Lentiviral Vectors. <i>Journal of Virology</i> , 2004, 78, 2642-2647.	1.5	22
49	Human RON receptor tyrosine kinase induces complete epithelial-to-mesenchymal transition but causes cellular senescence. <i>Biochemical and Biophysical Research Communications</i> , 2007, 360, 219-225.	1.0	22
50	CD4-Dependent Modulation of HIV-1 Entry by LY6E. <i>Journal of Virology</i> , 2019, 93, .	1.5	22
51	Site-Directed Mutagenesis Using Uracil-Containing Double-Stranded DNA Templates and DpnI Digestion. <i>BioTechniques</i> , 1999, 27, 734-738.	0.8	18
52	HIV-1 Envelope Glycoprotein at the Interface of Host Restriction and Virus Evasion. <i>Viruses</i> , 2019, 11, 311.	1.5	18
53	Transformation and scattering activities of the receptor tyrosine kinase RON/Stk in rodent fibroblasts and lack of regulation by the jaagsiekte sheep retrovirus receptor, Hyal2. <i>BMC Cancer</i> , 2004, 4, 64.	1.1	15
54	Biochemical, inhibition and inhibitor resistance studies of xenotropic murine leukemia virus-related virus reverse transcriptase. <i>Nucleic Acids Research</i> , 2012, 40, 345-359.	6.5	14

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55	Inhibition of Hepatitis C Virus Replication In Vitro by Xanthohumol, A Natural Product Present in Hops. <i>Planta Medica</i> , 2014, 80, 171-176.	0.7	14
56	Relating GPI-Anchored Ly6 Proteins uPAR and CD59 to Viral Infection. <i>Viruses</i> , 2019, 11, 1060.	1.5	13
57	SERINC proteins potentiate antiviral type I IFN production and proinflammatory signaling pathways. <i>Science Signaling</i> , 2021, 14, eabc7611.	1.6	13
58	Removal of regulatory T cells prevents secondary chronic infection but increases the mortality of subsequent sub-acute infection in sepsis mice. <i>Oncotarget</i> , 2016, 7, 10962-10975.	0.8	13
59	Membrane Fusion and Cell Entry of XMRV Are pH-Independent and Modulated by the Envelope Glycoprotein's Cytoplasmic Tail. <i>PLoS ONE</i> , 2012, 7, e33734.	1.1	12
60	Critical Role of Leucine-Valine Change in Distinct Low pH Requirements for Membrane Fusion between Two Related Retrovirus Envelopes. <i>Journal of Biological Chemistry</i> , 2012, 287, 7640-7651.	1.6	11
61	Cell-cell contact promotes Ebola virus GP-mediated infection. <i>Virology</i> , 2016, 488, 202-215.	1.1	10
62	The Inhibition of HIV-1 Entry Imposed by Interferon Inducible Transmembrane Proteins Is Independent of Co-Receptor Usage. <i>Viruses</i> , 2018, 10, 413.	1.5	10
63	Evidence against a role for jaagsiekte sheep retrovirus in human lung cancer. <i>Retrovirology</i> , 2017, 14, 3.	0.9	9
64	The Polar Region of the HIV-1 Envelope Protein Determines Viral Fusion and Infectivity by Stabilizing the gp120-gp41 Association. <i>Journal of Virology</i> , 2019, 93, .	1.5	9
65	Single residues in the surface subunits of oncogenic sheep retrovirus envelopes distinguish receptor-mediated triggering for fusion at low pH and infection. <i>Virology</i> , 2011, 421, 173-183.	1.1	8
66	CPT-cGMP Is A New Ligand of Epithelial Sodium Channels. <i>International Journal of Biological Sciences</i> , 2016, 12, 359-366.	2.6	6
67	SAMHD1 inhibits epithelial cell transformation in vitro and affects leukemia development in xenograft mice. <i>Cell Cycle</i> , 2018, 17, 2564-2576.	1.3	4
68	Neutralizing antibody responses against SARS-CoV-2 in vaccinated people with multiple sclerosis. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2022, 8, 205521732210873.	0.5	4