

# Zhen Luo

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,601  
citations

393982

19  
h-index

344852

36  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2039  
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2 N protein promotes NLRP3 inflammasome activation to induce hyperinflammation. <i>Nature Communications</i> , 2021, 12, 4664.	5.8	281
2	Zika virus infection induces host inflammatory responses by facilitating NLRP3 inflammasome assembly and interleukin-1 $\beta$ secretion. <i>Nature Communications</i> , 2018, 9, 106.	5.8	159
3	Tracking SARS-CoV-2 Omicron diverse spike gene mutations identifies multiple inter-variant recombination events. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 138.	7.1	140
4	HIF-1 $\alpha$ promotes SARS-CoV-2 infection and aggravates inflammatory responses to COVID-19. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 308.	7.1	124
5	Hypoxia signaling in human health and diseases: implications and prospects for therapeutics. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	81
6	A Neuroprotective Sericin Hydrogel As an Effective Neuronal Cell Carrier for the Repair of Ischemic Stroke. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 24629-24640.	4.0	74
7	EV71 infection induces neurodegeneration via activating TLR7 signaling and IL-6 production. <i>PLoS Pathogens</i> , 2019, 15, e1008142.	2.1	56
8	Breastfeeding Risk from Detectable Severe Acute Respiratory Syndrome Coronavirus 2 in Breastmilk. <i>Journal of Infection</i> , 2020, 81, 452-482.	1.7	54
9	MiR-377-3p suppresses colorectal cancer through negative regulation on Wnt/ $\beta$ -catenin signaling by targeting XIAP and ZEB2. <i>Pharmacological Research</i> , 2020, 156, 104774.	3.1	50
10	Advances in the development of therapeutic strategies against COVID-19 and perspectives in the drug design for emerging SARS-CoV-2 variants. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 824-837.	1.9	49
11	Enterovirus 71 induces neural cell apoptosis and autophagy through promoting ACOX1 downregulation and ROS generation. <i>Virulence</i> , 2020, 11, 537-553.	1.8	47
12	PolyC-Binding Protein 1 Interacts with 5'UTR-Untranslated Region of Enterovirus 71 RNA in Membrane-Associated Complex to Facilitate Viral Replication. <i>PLoS ONE</i> , 2014, 9, e87491.	1.1	44
13	Analysis of adjunctive serological detection to nucleic acid test for severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection diagnosis. <i>International Immunopharmacology</i> , 2020, 86, 106746.	1.7	36
14	HRS plays an important role for TLR7 signaling to orchestrate inflammation and innate immunity upon EV71 infection. <i>PLoS Pathogens</i> , 2017, 13, e1006585.	2.1	31
15	A prognostic 4-lncRNA expression signature for lung squamous cell carcinoma. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1207-1214.	1.9	30
16	DENV NS1 and MMP-9 cooperate to induce vascular leakage by altering endothelial cell adhesion and tight junction. <i>PLoS Pathogens</i> , 2021, 17, e1008603.	2.1	30
17	Hepatitis C Virus Activates Bcl-2 and MMP-2 Expression through Multiple Cellular Signaling Pathways. <i>Journal of Virology</i> , 2012, 86, 12531-12543.	1.5	29
18	Early growth response-1 facilitates enterovirus 71 replication by direct binding to the viral genome RNA. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 62, 36-46.	1.2	27

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19	Hepatitis B virus hijacks CTHRC1 to evade host immunity and maintain replication. <i>Journal of Molecular Cell Biology</i> , 2015, 7, 543-556.	1.5	24
20	AP-1 signaling pathway promotes pro-IL-1 $\beta$ transcription to facilitate NLRP3 inflammasome activation upon influenza A virus infection. <i>Virulence</i> , 2022, 13, 502-513.	1.8	22
21	The TLR3/IRF1/Type III IFN Axis Facilitates Antiviral Responses against Enterovirus Infections in the Intestine. <i>MBio</i> , 2020, 11, .	1.8	21
22	HERP Binds TBK1 To Activate Innate Immunity and Repress Virus Replication in Response to Endoplasmic Reticulum Stress. <i>Journal of Immunology</i> , 2017, 199, 3280-3292.	0.4	20
23	SIRT1 inhibits EV71 genome replication and RNA translation by interfering viral polymerase and 5'UTR RNA. <i>Journal of Cell Science</i> , 2016, 129, 4534-4547.	1.2	18
24	Optimization of loop-mediated isothermal amplification (LAMP) assay for robust visualization in SARS-CoV-2 and emerging variants diagnosis. <i>Chemical Engineering Science</i> , 2022, 251, 117430.	1.9	17
25	AGR2 is controlled by DNMT3a-centered signaling module and mediates tumor resistance to 5-Aza in colorectal cancer. <i>Experimental Cell Research</i> , 2019, 385, 111644.	1.2	14
26	Zika virus dysregulates the expression of astrocytic genes involved in neurodevelopment. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009362.	1.3	13
27	HIV-1 Nef Interacts with LMP7 To Attenuate Immunoproteasome Formation and Major Histocompatibility Complex Class I Antigen Presentation. <i>MBio</i> , 2020, 11, .	1.8	12
28	Intracellular AGR2 transduces PGE2 stimuli to promote epithelial-mesenchymal transition and metastasis of colorectal cancer. <i>Cancer Letters</i> , 2021, 518, 180-195.	3.2	12
29	Enterovirus 71 Represses Interleukin Enhancer-Binding Factor 2 Production and Nucleus Translocation to Antagonize ILF2 Antiviral Effects. <i>Viruses</i> , 2020, 12, 22.	1.5	9
30	Sox4 represses host innate immunity to facilitate pathogen infection by hijacking the TLR signaling networks. <i>Virulence</i> , 2021, 12, 704-722.	1.8	9
31	Association of Vpu with hepatitis C virus NS3/4A stimulates transcription of type 1 human immunodeficiency virus. <i>Virus Research</i> , 2012, 163, 74-81.	1.1	8
32	Beclin1 Binds to Enterovirus 71 3D Protein to Promote the Virus Replication. <i>Viruses</i> , 2020, 12, 756.	1.5	8
33	Sericin and sericin-derived peptide alleviate viral pathogenesis in mice through inhibiting lactate production and facilitating antiviral response. <i>Applied Materials Today</i> , 2021, 25, 101256.	2.3	6
34	Longitudinal Characterization of Cytokine Overproduction: A Case Report in Critically Ill COVID-19 Patients With Hyperinflammation in Bronchoalveolar Lavage. <i>Frontiers in Medicine</i> , 2021, 8, 690523.	1.2	3
35	ASB17 Facilitates the Burst of LPS-Induced Inflammation Through Maintaining TRAF6 Stability. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 759077.	1.8	2