Huiping Shuai

List of Publications by Year
in descending order

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Version: 2024-02-01

28 papers	3,349 citations	331670 21 h-index	501196 28 g-index
28 all docs	28 docs citations	28 times ranked	7067 citing authors

#	Article	IF	Citations
1	Low Environmental Temperature Exacerbates Severe Acute Respiratory Syndrome Coronavirus 2 Infection in Golden Syrian Hamsters. Clinical Infectious Diseases, 2022, 75, e1101-e1111.	5.8	17
2	Attenuated replication and pathogenicity of SARS-CoV-2 B.1.1.529 Omicron. Nature, 2022, 603, 693-699.	27.8	460
3	Age-associated SARS-CoV-2 breakthrough infection and changes in immune response in a mouse model. Emerging Microbes and Infections, 2022, 11, 368-383.	6.5	33
4	hnRNP C modulates MERS-CoV and SARS-CoV-2 replication by governing the expression of a subset of circRNAs and cognitive mRNAs. Emerging Microbes and Infections, 2022, 11, 519-531.	6.5	8
5	Bacillus Calmette-GuÃ©rinâ€“induced trained immunity protects against SARS-CoV-2 challenge in K18-hACE2 mice. JCI Insight, 2022, 7, .	5.0	29
6	An orally available Mpro inhibitor is effective against wild-type SARS-CoV-2 and variants including Omicron. Nature Microbiology, 2022, 7, 716-725.	13.3	62
7	SARS-CoV-2 Induces a More Robust Innate Immune Response and Replicates Less Efficiently Than SARS-CoV in the Human Intestines: An ExÂVivo Study With Implications on Pathogenesis of COVID-19. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 771-781.	4.5	41
8	STAT2-dependent restriction of Zika virus by human macrophages but not dendritic cells. Emerging Microbes and Infections, 2021, 10, 1024-1037.	6.5	12
9	Targeting highly pathogenic coronavirus-induced apoptosis reduces viral pathogenesis and disease severity. Science Advances, 2021, 7, .	10.3	48
10	Host and viral determinants for efficient SARS-CoV-2 infection of the human lung. Nature Communications, 2021, 12, 134.	12.8	112
11	Emerging SARS-CoV-2 variants expand species tropism to murines. EBioMedicine, 2021, 73, 103643.	6.1	127
12	Human coronavirus dependency on host heat shock protein 90 reveals an antiviral target. Emerging Microbes and Infections, 2020, 9, 2663-2672.	6.5	46
13	SARS-CoV-2 infects human neural progenitor cells and brain organoids. Cell Research, 2020, 30, 928-931.	12.0	267
14	Differential immune activation profile of SARS-CoV-2 and SARS-CoV infection in human lung and intestinal cells: Implications for treatment with IFN-Î² and IFN inducer. Journal of Infection, 2020, 81, e1-e10.	3.3	41
15	Attenuated Interferon and Proinflammatory Response in SARS-CoV-2â€“Infected Human Dendritic Cells Is Associated With Viral Antagonism of STAT1 Phosphorylation. Journal of Infectious Diseases, 2020, 222, 734-745.	4.0	165
16	Competing endogenous RNA network profiling reveals novel host dependency factors required for MERS-CoV propagation. Emerging Microbes and Infections, 2020, 9, 733-746.	6.5	58
17	Comparative Replication and Immune Activation Profiles of SARS-CoV-2 and SARS-CoV in Human Lungs: An Ex Vivo Study With Implications for the Pathogenesis of COVID-19. Clinical Infectious Diseases, 2020, 71, 1400-1409.	5.8	561
18	Targeting the Inositol-Requiring Enzyme-1 Pathway Efficiently Reverts Zika Virus-Induced Neurogenesis and Spermatogenesis Marker Perturbations. ACS Infectious Diseases, 2020, 6, 1745-1758.	3.8	9

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19	Comparative tropism, replication kinetics, and cell damage profiling of SARS-CoV-2 and SARS-CoV with implications for clinical manifestations, transmissibility, and laboratory studies of COVID-19: an observational study. Lancet Microbe, The, 2020, 1, e14-e23.	7.3	683
20	Characterization of the Lipidomic Profile of Human Coronavirus-Infected Cells: Implications for Lipid Metabolism Remodeling upon Coronavirus Replication. Viruses, 2019, 11, 73.	3.3	228
21	Establishment of a lethal aged mouse model of human respiratory syncytial virus infection. Antiviral Research, 2019, 161, 125-133.	4.1	4
22	The celecoxib derivative kinase inhibitor AR-12 (OSU-03012) inhibits Zika virus via down-regulation of the PI3K/Akt pathway and protects Zika virus-infected A129 mice: A host-targeting treatment strategy. Antiviral Research, 2018, 160, 38-47.	4.1	35
23	Dual-functional peptide with defective interfering genes effectively protects mice against avian and seasonal influenza. Nature Communications, 2018, 9, 2358.	12.8	63
24	Middle East respiratory syndrome coronavirus and bat coronavirus HKU9 both can utilize GRP78 for attachment onto host cells. Journal of Biological Chemistry, 2018, 293, 11709-11726.	3.4	153
25	Antibody-Dependent Cell-Mediated Cytotoxicity Epitopes on the Hemagglutinin Head Region of Pandemic H1N1 Influenza Virus Play Detrimental Roles in H1N1-Infected Mice. Frontiers in Immunology, 2017, 8, 317.	4.8	32
26	PA N substitutions A37S, A37S/I61T and A37S/V63I attenuate the replication of H7N7 influenza A virus by impairing the polymerase and endonuclease activities. Journal of General Virology, 2017, 98, 364-373.	2.9	5
27	Novel residues in the PA protein of avian influenza H7N7 virus affect virulence in mammalian hosts. Virology, 2016, 498, 1-8.	2.4	12
28	Cross-Protection of Influenza A Virus Infection by a DNA Aptamer Targeting the PA Endonuclease Domain. Antimicrobial Agents and Chemotherapy, 2015, 59, 4082-4093.	3.2	38