

# Siyuan Ding

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

3,830  
citations

279798

23  
h-index

276875

41  
g-index

54  
all docs

54  
docs citations

54  
times ranked

8189  
citing authors

#	ARTICLE	IF	CITATIONS
1	TMPRSS2 and TMPRSS4 promote SARS-CoV-2 infection of human small intestinal enterocytes. <i>Science Immunology</i> , 2020, 5, .	11.9	811
2	New mitochondrial DNA synthesis enables NLRP3 inflammasome activation. <i>Nature</i> , 2018, 560, 198-203.	27.8	722
3	Neutralizing Antibody and Soluble ACE2 Inhibition of a Replication-Competent VSV-SARS-CoV-2 and a Clinical Isolate of SARS-CoV-2. <i>Cell Host and Microbe</i> , 2020, 28, 475-485.e5.	11.0	380
4	Nlrp9b inflammasome restricts rotavirus infection in intestinal epithelial cells. <i>Nature</i> , 2017, 546, 667-670.	27.8	279
5	Cholesterol 25-hydroxylase suppresses SARS-CoV-2 replication by blocking membrane fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32105-32113.	7.1	192
6	Dynamic expression profiling of type I and type III interferon-stimulated hepatocytes reveals a stable hierarchy of gene expression. <i>Hepatology</i> , 2014, 59, 1262-1272.	7.3	169
7	Is SARS-CoV-2 Also an Enteric Pathogen With Potential Fecal-Oral Transmission? A COVID-19 Virological and Clinical Review. <i>Gastroenterology</i> , 2020, 159, 53-61.	1.3	157
8	SARS-CoV-2 exacerbates proinflammatory responses in myeloid cells through C-type lectin receptors and Tweety family member 2. <i>Immunity</i> , 2021, 54, 1304-1319.e9.	14.3	115
9	VP4- and VP7-specific antibodies mediate heterotypic immunity to rotavirus in humans. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	87
10	STAG2 deficiency induces interferon responses via cGAS-STING pathway and restricts virus infection. <i>Nature Communications</i> , 2018, 9, 1485.	12.8	68
11	Comparative Proteomics Reveals Strain-Specific $\hat{I}^2$ -TrCP Degradation via Rotavirus NSP1 Hijacking a Host Cullin-3-Rbx1 Complex. <i>PLoS Pathogens</i> , 2016, 12, e1005929.	4.7	59
12	Rotavirus VP3 targets MAVS for degradation to inhibit type III interferon expression in intestinal epithelial cells. <i>ELife</i> , 2018, 7, .	6.0	58
13	DDX6 Represses Aberrant Activation of Interferon-Stimulated Genes. <i>Cell Reports</i> , 2017, 20, 819-831.	6.4	54
14	Long-Distance Interferon Signaling within the Brain Blocks Virus Spread. <i>Journal of Virology</i> , 2014, 88, 3695-3704.	3.4	52
15	Enterovirus pathogenesis requires the host methyltransferase SETD3. <i>Nature Microbiology</i> , 2019, 4, 2523-2537.	13.3	51
16	Epigenetic Reprogramming of the Type III Interferon Response Potentiates Antiviral Activity and Suppresses Tumor Growth. <i>PLoS Biology</i> , 2014, 12, e1001758.	5.6	50
17	Drebrin restricts rotavirus entry by inhibiting dynamin-mediated endocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3642-E3651.	7.1	49
18	An Optimized Reverse Genetics System Suitable for Efficient Recovery of Simian, Human, and Murine-Like Rotaviruses. <i>Journal of Virology</i> , 2020, 94, .	3.4	40

#	ARTICLE	IF	CITATIONS
19	Retinoic Acid and Lymphotoxin Signaling Promote Differentiation of Human Intestinal M Cells. <i>Gastroenterology</i> , 2020, 159, 214-226.e1.	1.3	35
20	Human VP8* mAbs neutralize rotavirus selectively in human intestinal epithelial cells. <i>Journal of Clinical Investigation</i> , 2019, 129, 3839-3851.	8.2	32
21	TRIM15 is a focal adhesion protein that regulates focal adhesion disassembly. <i>Journal of Cell Science</i> , 2014, 127, 3928-42.	2.0	31
22	m6A modifications regulate intestinal immunity and rotavirus infection. <i>ELife</i> , 2022, 11, .	6.0	27
23	Peroxisomal MAVS activates IRF1-mediated IFN- $\beta$ production. <i>Nature Immunology</i> , 2014, 15, 700-701.	14.5	26
24	Profiling of rotavirus 3'UTR-binding proteins reveals the ATP synthase subunit ATP5B as a host factor that supports late-stage virus replication. <i>Journal of Biological Chemistry</i> , 2019, 294, 5993-6006.	3.4	26
25	Reverse Genetics Reveals a Role of Rotavirus VP3 Phosphodiesterase Activity in Inhibiting RNase L Signaling and Contributing to Intestinal Viral Replication <i>In Vivo</i> . <i>Journal of Virology</i> , 2020, 94, .	3.4	24
26	When STING Meets Viruses: Sensing, Trafficking and Response. <i>Frontiers in Immunology</i> , 2020, 11, 2064.	4.8	20
27	Xanthohumol Is a Potent Pan-Inhibitor of Coronaviruses Targeting Main Protease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12134.	4.1	19
28	Neutralizing Antibody and Soluble ACE2 Inhibition of a Replication-Competent VSV-SARS-CoV-2 and a Clinical Isolate of SARS-CoV-2. <i>SSRN Electronic Journal</i> , 2020, , 3606354.	0.4	16
29	Mortalin restricts porcine epidemic diarrhea virus entry by downregulating clathrin-mediated endocytosis. <i>Veterinary Microbiology</i> , 2019, 239, 108455.	1.9	15
30	JIB-04 Has Broad-Spectrum Antiviral Activity and Inhibits SARS-CoV-2 Replication and Coronavirus Pathogenesis. <i>MBio</i> , 2022, 13, e0337721.	4.1	14
31	Targeting the Fusion Process of SARS-CoV-2 Infection by Small Molecule Inhibitors. <i>MBio</i> , 2022, 13, e0323821.	4.1	11
32	Wavefield Reconstruction Inversion of GPR Data for Permittivity and Conductivity Models in the Frequency Domain Based on Modified Total Variation Regularization. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	6.3	10
33	Rotavirus NSP1 Contributes to Intestinal Viral Replication, Pathogenesis, and Transmission. <i>MBio</i> , 2021, 12, e0320821.	4.1	10
34	Chicken HS4 insulator significantly improves baculovirus-mediated foreign gene expression in insect cells by modifying the structure of neighbouring chromatin in virus minichromosome. <i>Journal of Biotechnology</i> , 2009, 142, 193-199.	3.8	9
35	Cytidine deamination and cccDNA degradation: A new approach for curing HBV?. <i>Hepatology</i> , 2014, 60, 2118-2121.	7.3	9
36	Re-Examining Rotavirus Innate Immune Evasion: Potential Applications of the Reverse Genetics System. <i>MBio</i> , 2022, 13, .	4.1	7

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37	Mesalamine Reduces Intestinal ACE2 Expression Without Modifying SARS-CoV-2 Infection or Disease Severity in Mice. <i>Inflammatory Bowel Diseases</i> , 2022, 28, 318-321.	1.9	5
38	Inhibitor of growth protein 3 epigenetically silences endogenous retroviral elements and prevents innate immune activation. <i>Nucleic Acids Research</i> , 2021, 49, 12706-12715.	14.5	4
39	The Dengue Virus Nonstructural Protein 1 (NS1) Interacts with the Putative Epigenetic Regulator DIDO1 to Promote Flavivirus Replication in Mosquito Cells. <i>Journal of Virology</i> , 2022, 96, .	3.4	4
40	The Role of the VP4 Attachment Protein in Rotavirus Host Range Restriction in an <i>In Vivo</i> Suckling Mouse Model. <i>Journal of Virology</i> , 2022, 96, .	3.4	4
41	The Role of Innate Immunity in Regulating Rotavirus Replication, Pathogenesis, and Host Range Restriction and the Implications for Live Rotaviral Vaccine Development. , 2020, , 683-697.		2
42	Perspectives for the optimization and utility of the rotavirus reverse genetics system. <i>Virus Research</i> , 2021, 303, 198500.	2.2	2
43	Zika mRNA vaccine induces long-term protective immunity. <i>AME Medical Journal</i> , 0, 2, 86-86.	0.4	1
44	TRIM15 is a focal adhesion protein that regulates focal adhesion disassembly. <i>Development (Cambridge)</i> , 2014, 141, e1906-e1906.	2.5	0