

Jianjun Sun

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

901
citations

567281

15
h-index

477307

29
g-index

38
all docs

38
docs citations

38
times ranked

985
citing authors

#	ARTICLE	IF	CITATIONS
1	A paper/polymer hybrid microfluidic microplate for rapid quantitative detection of multiple disease biomarkers. <i>Scientific Reports</i> , 2016, 6, 30474.	3.3	110
2	<i>Mycobacterium tuberculosis</i> ESAT-6 Exhibits a Unique Membrane-interacting Activity That Is Not Found in Its Ortholog from Non-pathogenic <i>Mycobacterium smegmatis</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 44184-44191.	3.4	101
3	Phenylalanine-427 of anthrax protective antigen functions in both pore formation and protein translocation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4346-4351.	7.1	62
4	Characterization of <i>Mycobacterium tuberculosis</i> EsxA Membrane Insertion. <i>Journal of Biological Chemistry</i> , 2015, 290, 7314-7322.	3.4	57
5	Low-Cost Quantitative Photothermal Genetic Detection of Pathogens on a Paper Hybrid Device Using a Thermometer. <i>Analytical Chemistry</i> , 2020, 92, 14830-14837.	6.5	53
6	Mechanism of ESAT-6 membrane interaction and its roles in pathogenesis of <i>Mycobacterium tuberculosis</i> . <i>Toxicon</i> , 2016, 116, 29-34.	1.6	51
7	Insertion of Anthrax Protective Antigen into Liposomal Membranes. <i>Journal of Biological Chemistry</i> , 2007, 282, 1059-1065.	3.4	46
8	EsxA membrane-permeabilizing activity plays a key role in mycobacterial cytosolic translocation and virulence: effects of single-residue mutations at glutamine 5. <i>Scientific Reports</i> , 2016, 6, 32618.	3.3	44
9	An autophagy-inducing and TLR-2 activating BCG vaccine induces a robust protection against tuberculosis in mice. <i>Npj Vaccines</i> , 2019, 4, 34.	6.0	36
10	Characterization of differential pore-forming activities of ESAT-6 proteins from <i>Mycobacterium tuberculosis</i> and <i>Mycobacterium smegmatis</i> . <i>FEBS Letters</i> , 2016, 590, 509-519.	2.8	34
11	<i>Mycoplasma gallisepticum</i> (HS strain) surface lipoprotein pMGA interacts with host apolipoprotein A-I during infection in chicken. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 1343-1354.	3.6	34
12	Imaging cytosolic translocation of Mycobacteria with two-photon fluorescence resonance energy transfer microscopy. <i>Biomedical Optics Express</i> , 2014, 5, 3990.	2.9	29
13	Evidence That Histidine Protonation of Receptor-Bound Anthrax Protective Antigen Is a Trigger for Pore Formation. <i>Biochemistry</i> , 2010, 49, 6973-6983.	2.5	26
14	gga-miR-101-3p Plays a Key Role in <i>Mycoplasma gallisepticum</i> (HS Strain) Infection of Chicken. <i>International Journal of Molecular Sciences</i> , 2015, 16, 28669-28682.	4.1	22
15	N ^ε -Acetylation of the virulence factor EsxA is required for mycobacterial cytosolic translocation and virulence. <i>Journal of Biological Chemistry</i> , 2020, 295, 5785-5794.	3.4	20
16	Chicken gga-miR-19a Targets ZMYND11 and Plays an Important Role in Host Defense against <i>Mycoplasma gallisepticum</i> (HS Strain) Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 102.	3.9	19
17	Roles of Anthrax Toxin Receptor 2 in Anthrax Toxin Membrane Insertion and Pore Formation. <i>Toxins</i> , 2016, 8, 34.	3.4	17
18	Effects of membrane lipid composition on <i>Mycobacterium tuberculosis</i> EsxA membrane insertion: A dual play of fluidity and charge. <i>Tuberculosis</i> , 2019, 118, 101854.	1.9	15

#	ARTICLE	IF	CITATIONS
19	Computational Study on the Function of Palmitoylation on the Envelope Protein in SARS-CoV-2. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 6483-6490.	5.3	15
20	Disulfide Bonds in the Ectodomain of Anthrax Toxin Receptor 2 Are Required for the Receptor-Bound Protective-Antigen Pore to Function. <i>PLoS ONE</i> , 2010, 5, e10553.	2.5	15
21	The ESX-1 Virulence Factors Downregulate miR-147-3p in Mycobacterium marinum-Infected Macrophages. <i>Infection and Immunity</i> , 2020, 88, .	2.2	13
22	Expression and purification of the functional ectodomain of human anthrax toxin receptor 2 in Escherichia coli Origami B cells with assistance of bacterial Trigger Factor. <i>Protein Expression and Purification</i> , 2014, 95, 149-155.	1.3	12
23	Mycobacterium marinum down-regulates miR-148a in macrophages in an EsxA-dependent manner. <i>International Immunopharmacology</i> , 2019, 73, 41-48.	3.8	12
24	Editorial: Cellular and Molecular Mechanisms of Mycobacterium tuberculosis Virulence. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 331.	3.9	11
25	A computational model of ESAT-6 complex in membrane. <i>Journal of Theoretical and Computational Chemistry</i> , 2020, 19, 2040002.	1.8	10
26	A Small Protein but with Diverse Roles: A Review of EsxA in Mycobacterium-Host Interaction. <i>Cells</i> , 2021, 10, 1645.	4.1	10
27	The Disulfide Bond Cys255-Cys279 in the Immunoglobulin-Like Domain of Anthrax Toxin Receptor 2 Is Required for Membrane Insertion of Anthrax Protective Antigen Pore. <i>PLoS ONE</i> , 2015, 10, e0130832.	2.5	8
28	Morphology-based classification of mycobacteria-infected macrophages with convolutional neural network: reveal EsxA-induced morphologic changes indistinguishable by naked eyes. <i>Translational Research</i> , 2019, 212, 1-13.	5.0	6
29	Post-translational knockdown and post-secretional modification of EsxA determine contribution of EsxA membrane permeabilizing activity for mycobacterial intracellular survival. <i>Virulence</i> , 2021, 12, 312-328.	4.4	3
30	Development of an In Vitro Membrane Model to Study the Function of EsxAB Heterodimer and Establish the Role of EsxB in Membrane Permeabilizing Activity of Mycobacterium tuberculosis. <i>Pathogens</i> , 2020, 9, 1015.	2.8	2
31	A Fluorescence Dequenching-based Liposome Leakage Assay to Measure Membrane Permeabilization by Pore-forming Proteins. <i>Bio-protocol</i> , 2021, 11, e4025.	0.4	1
32	Measuring Cytosolic Translocation of Mycobacterium Marinum in RAW264.7 Macrophages with a CCF4-AM FRET Assay. <i>Bio-protocol</i> , 2021, 11, e3991.	0.4	0