Jianjun Sun

List of Publications by Year
in descending order

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32	901	567281 15	477307 29
papers	citations	h-index	g-index

38	38	38	985
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Small Protein but with Diverse Roles: A Review of EsxA in Mycobacteriumâ€“Host Interaction. Cells, 2021, 10, 1645.	4.1	10
2	Computational Study on the Function of Palmitoylation on the Envelope Protein in SARS-CoV-2. Journal of Chemical Theory and Computation, 2021, 17, 6483-6490.	5.3	15
3	A Fluorescence Dequenching-based Liposome Leakage Assay to Measure Membrane Permeabilization by Pore-forming Proteins. Bio-protocol, 2021, 11, e4025.	0.4	1
4	Measuring Cytosolic Translocation of Mycobacterium Marinum in RAW264.7 Macrophages with a CCF4-AM FRET Assay. Bio-protocol, 2021, 11, e3991.	0.4	0
5	Post-translational knockdown and post-secretional modification of EsxA determine contribution of EsxA membrane permeabilizing activity for mycobacterial intracellular survival. Virulence, 2021, 12, 312-328.	4.4	3
6	Low-Cost Quantitative Photothermal Genetic Detection of Pathogens on a Paper Hybrid Device Using a Thermometer. Analytical Chemistry, 2020, 92, 14830-14837.	6.5	53
7	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. Pathogens, 2020, 9, 1015.	2.8	2
8	NÎ±-Acetylation of the virulence factor EsxA is required for mycobacterial cytosolic translocation and virulence. Journal of Biological Chemistry, 2020, 295, 5785-5794.	3.4	20
9	The ESX-1 Virulence Factors Downregulate miR-147-3p in Mycobacterium marinum-Infected Macrophages. Infection and Immunity, 2020, 88, .	2.2	13
10	A computational model of ESAT-6 complex in membrane. Journal of Theoretical and Computational Chemistry, 2020, 19, 2040002.	1.8	10
11	An autophagy-inducing and TLR-2 activating BCG vaccine induces a robust protection against tuberculosis in mice. Npj Vaccines, 2019, 4, 34.	6.0	36
12	Effects of membrane lipid composition on Mycobacterium tuberculosis EsxA membrane insertion: A dual play of fluidity and charge. Tuberculosis, 2019, 118, 101854.	1.9	15
13	Morphology-based classification of mycobacteria-infected macrophages with convolutional neural network: reveal EsxA-induced morphologic changes indistinguishable by naked eyes. Translational Research, 2019, 212, 1-13.	5.0	6
14	Editorial: Cellular and Molecular Mechanisms of Mycobacterium tuberculosis Virulence. Frontiers in Cellular and Infection Microbiology, 2019, 9, 331.	3.9	11
15	Mycobacterium marinum down-regulates miR-148a in macrophages in an EsxA-dependent manner. International Immunopharmacology, 2019, 73, 41-48.	3.8	12
16	Roles of Anthrax Toxin Receptor 2 in Anthrax Toxin Membrane Insertion and Pore Formation. Toxins, 2016, 8, 34.	3.4	17
17	Chicken gga-miR-19a Targets ZMYND11 and Plays an Important Role in Host Defense against Mycoplasma gallisepticum (HS Strain) Infection. Frontiers in Cellular and Infection Microbiology, 2016, 6, 102.	3.9	19
18	EsxA membrane-permeabilizing activity plays a key role in mycobacterial cytosolic translocation and virulence: effects of single-residue mutations at glutamine 5. Scientific Reports, 2016, 6, 32618.	3.3	44

#	Article	IF	Citations
19	A paper/polymer hybrid microfluidic microplate for rapid quantitative detection of multiple disease biomarkers. Scientific Reports, 2016, 6, 30474.	3.3	110
20	Characterization of differential poreâ€forming activities of ESATâ€6 proteins from MycobacteriumÂtuberculosis and MycobacteriumÂsmegmatis. FEBS Letters, 2016, 590, 509-519.	2.8	34
21	Mycoplasma gallisepticum (HS strain) surface lipoprotein pMGA interacts with host apolipoprotein A-I during infection in chicken. Applied Microbiology and Biotechnology, 2016, 100, 1343-1354.	3.6	34
22	Mechanism of ESAT-6 membrane interaction and its roles in pathogenesis of Mycobacterium tuberculosis. Toxicon, 2016, 116, 29-34.	1.6	51
23	gga-miR-101-3p Plays a Key Role in Mycoplasma gallisepticum (HS Strain) Infection of Chicken. International Journal of Molecular Sciences, 2015, 16, 28669-28682.	4.1	22
24	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. PLoS ONE, 2015, 10, e0130832.	2.5	8
25	Characterization of Mycobacterium tuberculosis EsxA Membrane Insertion. Journal of Biological Chemistry, 2015, 290, 7314-7322.	3.4	57
26	Imaging cytosolic translocation of Mycobacteria with two-photon fluorescence resonance energy transfer microscopy. Biomedical Optics Express, 2014, 5, 3990.	2.9	29
27	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. Protein Expression and Purification, 2014, 95, 149-155.	1.3	12
28	Mycobacterium tuberculosis ESAT-6 Exhibits a Unique Membrane-interacting Activity That Is Not Found in Its Ortholog from Non-pathogenic Mycobacterium smegmatis. Journal of Biological Chemistry, 2012, 287, 44184-44191.	3.4	101
29	Evidence That Histidine Protonation of Receptor-Bound Anthrax Protective Antigen Is a Trigger for Pore Formation. Biochemistry, 2010, 49, 6973-6983.	2.5	26
30	Disulfide Bonds in the Ectodomain of Anthrax Toxin Receptor 2 Are Required for the Receptor-Bound Protective-Antigen Pore to Function. PLoS ONE, 2010, 5, e10553.	2.5	15
31	Phenylalanine-427 of anthrax protective antigen functions in both pore formation and protein translocation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4346-4351.	7.1	62
32	Insertion of Anthrax Protective Antigen into Liposomal Membranes. Journal of Biological Chemistry, 2007, 282, 1059-1065.	3.4	46