

Jun Liu

List of Publications by Year in descending order

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79
papers

5,088
citations

70961

41
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95083

68
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all docs

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docs citations

82
times ranked

5121
citing authors

#	ARTICLE	IF	CITATIONS
1	Crosstalk between the ancestral type VII secretion system ESX-4 and other T7SS in <i>Mycobacterium marinum</i> . <i>IScience</i> , 2022, 25, 103585.	1.9	5
2	WhiB4 Is Required for the Reactivation of Persistent Infection of <i>Mycobacterium marinum</i> in Zebrafish. <i>Microbiology Spectrum</i> , 2022, 10, e0044321.	1.2	2
3	Structure of mycobacterial ATP synthase bound to the tuberculosis drug bedaquiline. <i>Nature</i> , 2021, 589, 143-147.	13.7	110
4	¹ H, ¹³ C, and ¹⁵ N resonance assignments of reduced apo-WhiB4 from <i>Mycobacterium tuberculosis</i> . <i>Biomolecular NMR Assignments</i> , 2021, 15, 99-101.	0.4	1
5	Early innate and adaptive immune perturbations determine long-term severity of chronic virus and <i>Mycobacterium tuberculosis</i> coinfection. <i>Immunity</i> , 2021, 54, 526-541.e7.	6.6	25
6	Xenogeneic Silencing and Bacterial Genome Evolution: Mechanisms for DNA Recognition Imply Multifaceted Roles of Xenogeneic Silencers. <i>Molecular Biology and Evolution</i> , 2021, 38, 4135-4148.	3.5	16
7	DNA binding mechanism of WhiB4 from <i>Mycobacterium tuberculosis</i> . <i>Magnetic Resonance Letters</i> , 2021, 2, 100010.	0.7	0
8	Interaction analysis of <i>Mycobacterium tuberculosis</i> between the host environment and highly mutated genes from population genetic structure comparison. <i>Medicine (United States)</i> , 2021, 100, e27125.	0.4	3
9	Intranasal HD-Ad vaccine protects the upper and lower respiratory tracts of hACE2 mice against SARS-CoV-2. <i>Cell and Bioscience</i> , 2021, 11, 202.	2.1	13
10	Preclinical Progress of Subunit and Live Attenuated <i>Mycobacterium tuberculosis</i> Vaccines: A Review following the First in Human Efficacy Trial. <i>Pharmaceutics</i> , 2020, 12, 848.	2.0	8
11	Mycobacterial Virulence Factors: Surface-Exposed Lipids and Secreted Proteins. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3985.	1.8	21
12	<i>Mycobacterium tuberculosis</i> 6C sRNA binds multiple mRNA targets via C-rich loops independent of RNA chaperones. <i>Nucleic Acids Research</i> , 2019, 47, 4292-4307.	6.5	50
13	Transcriptome Changes of <i>Mycobacterium marinum</i> in the Process of Resuscitation From Hypoxia-Induced Dormancy. <i>Frontiers in Genetics</i> , 2019, 10, 1359.	1.1	7
14	Recombinant BCG Overexpressing <i>phoP-phoR</i> Confers Enhanced Protection against Tuberculosis. <i>Molecular Therapy</i> , 2018, 26, 2863-2874.	3.7	15
15	How bacterial xenogeneic silencer <i>rok</i> distinguishes foreign from self DNA in its resident genome. <i>Nucleic Acids Research</i> , 2018, 46, 10514-10529.	6.5	23
16	Transcription factors Rv0081 and Rv3334 connect the early and the enduring hypoxic response of <i>Mycobacterium tuberculosis</i> . <i>Virulence</i> , 2018, 9, 1468-1482.	1.8	20
17	Acetylation of lysine 182 inhibits the ability of <i>Mycobacterium tuberculosis</i> DosR to bind DNA and regulate gene expression during hypoxia. <i>Emerging Microbes and Infections</i> , 2018, 7, 1-12.	3.0	21
18	Modulation of Central Carbon Metabolism by Acetylation of Isocitrate Lyase in <i>Mycobacterium tuberculosis</i> . <i>Scientific Reports</i> , 2017, 7, 44826.	1.6	36

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19	WhiB4 Regulates the PE/PPE Gene Family and is Essential for Virulence of <i>Mycobacterium marinum</i> . <i>Scientific Reports</i> , 2017, 7, 3007.	1.6	26
20	Immunogenicity and Protective Efficacy of a Fusion Protein Tuberculosis Vaccine Combining Five Esx Family Proteins. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 226.	1.8	12
21	The Impact of Genome Region of Difference 4 (RD4) on Mycobacterial Virulence and BCG Efficacy. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 239.	1.8	56
22	Loss of Lipid Virulence Factors Reduces the Efficacy of the BCG Vaccine. <i>Scientific Reports</i> , 2016, 6, 29076.	1.6	32
23	Variable Virulence and Efficacy of BCG Vaccine Strains in Mice and Correlation With Genome Polymorphisms. <i>Molecular Therapy</i> , 2016, 24, 398-405.	3.7	96
24	A Novel AT-Rich DNA Recognition Mechanism for Bacterial Xenogeneic Silencer MvaT. <i>PLoS Pathogens</i> , 2015, 11, e1004967.	2.1	53
25	Structural basis for targeting the ribosomal protein <i>S</i> 1 of <i>Mycobacterium tuberculosis</i> by pyrazinamide. <i>Molecular Microbiology</i> , 2015, 95, 791-803.	1.2	56
26	BCG Vaccines. <i>Microbiology Spectrum</i> , 2014, 2, MGM2-0028-2013.	1.2	30
27	Hiding behind the mycobacterial cell wall. <i>Trends in Microbiology</i> , 2014, 22, 110-112.	3.5	0
28	PhoY2 of Mycobacteria Is Required for Metabolic Homeostasis and Stress Response. <i>Journal of Bacteriology</i> , 2013, 195, 243-252.	1.0	23
29	Mechanism of DNA organization by <i>Mycobacterium tuberculosis</i> protein Lsr2. <i>Nucleic Acids Research</i> , 2013, 41, 5263-5272.	6.5	48
30	Genome Sequencing and Analysis of BCG Vaccine Strains. <i>PLoS ONE</i> , 2013, 8, e71243.	1.1	84
31	Targeting the global regulator Lsr2 as a novel approach for anti-tuberculosis drug development. <i>Expert Review of Anti-Infective Therapy</i> , 2012, 10, 1049-1053.	2.0	17
32	PPE38 Modulates the Innate Immune Response and Is Required for <i>Mycobacterium marinum</i> Virulence. <i>Infection and Immunity</i> , 2012, 80, 43-54.	1.0	81
33	Silencing of foreign DNA in bacteria. <i>Current Opinion in Microbiology</i> , 2012, 15, 175-181.	2.3	96
34	Both Phthiocerol Dimycocerosates and Phenolic Glycolipids Are Required for Virulence of <i>Mycobacterium marinum</i> . <i>Infection and Immunity</i> , 2012, 80, 1381-1389.	1.0	101
35	Activators of Cylindrical Proteases as Antimicrobials: Identification and Development of Small Molecule Activators of ClpP Protease. <i>Chemistry and Biology</i> , 2011, 18, 1167-1178.	6.2	86
36	MMAR_2770, a new enzyme involved in biotin biosynthesis, is essential for the growth of <i>Mycobacterium marinum</i> in macrophages and zebrafish. <i>Microbes and Infection</i> , 2011, 13, 33-41.	1.0	29

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37	Whole-Genome Sequences of Four <i>Mycobacterium bovis</i> BCG Vaccine Strains. <i>Journal of Bacteriology</i> , 2011, 193, 3152-3153.	1.0	28
38	Structural basis for recognition of AT-rich DNA by unrelated xenogeneic silencing proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10690-10695.	3.3	204
39	Malaria exacerbates experimental mycobacterial infection in vitro and in vivo. <i>Microbes and Infection</i> , 2010, 12, 864-874.	1.0	32
40	CD36 deficiency attenuates experimental mycobacterial infection. <i>BMC Infectious Diseases</i> , 2010, 10, 299.	1.3	48
41	Lsr2 is a nucleoid-associated protein that targets AT-rich sequences and virulence genes in <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5154-5159.	3.3	192
42	BCG Vaccines: Their mechanisms of attenuation and impact on safety and protective efficacy. <i>Hum Vaccin</i> , 2009, 5, 70-78.	2.4	131
43	Systematic Genetic Nomenclature for Type VII Secretion Systems. <i>PLoS Pathogens</i> , 2009, 5, e1000507.	2.1	233
44	MyBASE: a database for genome polymorphism and gene function studies of <i>Mycobacterium</i> . <i>BMC Microbiology</i> , 2009, 9, 40.	1.3	14
45	Novel genome polymorphisms in BCG vaccine strains and impact on efficacy. <i>BMC Genomics</i> , 2008, 9, 413.	1.2	86
46	Spontaneous transposition of IS1096 or ISMsm3 leads to glycopeptidolipid overproduction and affects surface properties in <i>Mycobacterium smegmatis</i> . <i>Tuberculosis</i> , 2008, 88, 390-398.	0.8	41
47	Lsr2 of <i>Mycobacterium</i> Represents a Novel Class of H-NS-Like Proteins. <i>Journal of Bacteriology</i> , 2008, 190, 7052-7059.	1.0	109
48	Lsr2 of <i>Mycobacterium tuberculosis</i> is a DNA-bridging protein. <i>Nucleic Acids Research</i> , 2008, 36, 2123-2135.	6.5	84
49	Evidence for Pore Formation in Host Cell Membranes by ESX-1-Secreted ESAT-6 and Its Role in <i>Mycobacterium marinum</i> Escape from the Vacuole. <i>Infection and Immunity</i> , 2008, 76, 5478-5487.	1.0	260
50	Differential productions of lipid virulence factors among BCG vaccine strains and implications on BCG safety. <i>Vaccine</i> , 2007, 25, 8114-8122.	1.7	56
51	Identification of the lipooligosaccharide biosynthetic gene cluster from <i>Mycobacterium marinum</i> . <i>Molecular Microbiology</i> , 2007, 63, 1345-1359.	1.2	79
52	Tuberculosis: Current Treatment and New Drug Development. <i>Anti-Infective Agents in Medicinal Chemistry</i> , 2006, 5, 331-344.	0.6	9
53	The ESAT-6/CFP-10 secretion system of <i>Mycobacterium marinum</i> modulates phagosome maturation. <i>Cellular Microbiology</i> , 2006, 8, 1417-1429.	1.1	149
54	AsnB Is Involved in Natural Resistance of <i>Mycobacterium smegmatis</i> to Multiple Drugs. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 250-255.	1.4	33

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55	Roles of Lsr2 in Colony Morphology and Biofilm Formation of <i>Mycobacterium smegmatis</i> . <i>Journal of Bacteriology</i> , 2006, 188, 633-641.	1.0	139
56	<i>Mycobacterial Genomes.</i> , 2006, , 151-174.		0
57	LosA, a Key Glycosyltransferase Involved in the Biosynthesis of a Novel Family of Glycosylated Acyltrehalose Lipooligosaccharides from <i>Mycobacterium marinum</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 42124-42133.	1.6	62
58	PimF, a Mannosyltransferase of <i>Mycobacteria</i> , Is Involved in the Biosynthesis of Phosphatidylinositol Mannosides and Lipoarabinomannan. <i>Journal of Biological Chemistry</i> , 2004, 279, 18824-18833.	1.6	52
59	Impact of Methoxymycolic Acid Production by <i>Mycobacterium bovis</i> BCG Vaccines. <i>Infection and Immunity</i> , 2004, 72, 2803-2809.	1.0	31
60	Acquisition of Hrs, an Essential Component of Phagosomal Maturation, Is Impaired by <i>Mycobacteria</i> . <i>Molecular and Cellular Biology</i> , 2004, 24, 4593-4604.	1.1	90
61	Binding of ATP as Well as Tetrahydrofolate Induces Conformational Changes in <i>Lactobacillus casei</i> Folylpolyglutamate Synthetase in Solution. <i>Biochemistry</i> , 2003, 42, 1537-1543.	1.2	3
62	Mechanism of SMRT Corepressor Recruitment by the BCL6 BTB Domain. <i>Molecular Cell</i> , 2003, 12, 1551-1564.	4.5	251
63	<i>Mycobacterium bovis</i> BCG Vaccines Exhibit Defects in Alanine and Serine Catabolism. <i>Infection and Immunity</i> , 2003, 71, 708-716.	1.0	44
64	pH-induced Conformational Changes of AcrA, the Membrane Fusion Protein of <i>Escherichia coli</i> Multidrug Efflux System. <i>Journal of Biological Chemistry</i> , 2003, 278, 50474-50482.	1.6	39
65	A Rifampin-Hypersensitive Mutant Reveals Differences between Strains of <i>Mycobacterium smegmatis</i> and Presence of a Novel Transposon, IS1623. <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 3208-3213.	1.4	23
66	Central Region of the Human Splicing Factor Hprp3p Interacts with Hprp4p. <i>Journal of Biological Chemistry</i> , 2002, 277, 23764-23772.	1.6	30
67	Nramp1 Modifies the Fusion of <i>Salmonella typhimurium</i> -containing Vacuoles with Cellular Endomembranes in Macrophages. <i>Journal of Biological Chemistry</i> , 2002, 277, 2258-2265.	1.6	73
68	Cell Wall Structure of a Mutant of <i>Mycobacterium smegmatis</i> Defective in the Biosynthesis of Mycolic Acids. <i>Journal of Biological Chemistry</i> , 2000, 275, 7224-7229.	1.6	57
69	A mutant of <i>Mycobacterium smegmatis</i> defective in the biosynthesis of mycolic acids accumulates meromycolates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 4011-4016.	3.3	93
70	Two Modes of Ligand Binding in Maltose-binding Protein of <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1997, 272, 17610-17614.	1.6	58
71	A <i>Mycobacterium smegmatis</i> mutant with a defective inositol monophosphate phosphatase gene homolog has altered cell envelope permeability. <i>Journal of Bacteriology</i> , 1997, 179, 7827-7833.	1.0	61
72	Active efflux of fluoroquinolones in <i>Mycobacterium smegmatis</i> mediated by LfrA, a multidrug efflux pump. <i>Journal of Bacteriology</i> , 1996, 178, 3791-3795.	1.0	148

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73	Mycolic Acid Structure Determines the Fluidity of the Mycobacterial Cell Wall. Journal of Biological Chemistry, 1996, 271, 29545-29551.	1.6	236
74	Fluidity of the lipid domain of cell wall from Mycobacterium chelonae.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 11254-11258.	3.3	135
75	Denaturant Unfolding of the Ferric Enterobactin Receptor and Ligand-Induced Stabilization Studied by Site-Directed Spin Labeling. Biochemistry, 1995, 34, 14230-14236.	1.2	44
76	A Site-Directed Spin-Labeling Study of Ligand-Induced Conformational Change in the Ferric Enterobactin Receptor, FepA. Biochemistry, 1994, 33, 13274-13283.	1.2	56
77	Permeability properties of a large gated channel within the ferric enterobactin receptor, FepA.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 10653-10657.	3.3	70
78	Formation of a gated channel by a ligand-specific transport protein in the bacterial outer membrane. Science, 1992, 258, 471-475.	6.0	185
79	BCG Vaccines. , 0, , 49-59.		0