

Jun Liu

List of Publications by Year in descending order

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79
papers

5,088
citations

71102

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68
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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.	4.1	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.	3.0	2
3	Structure of mycobacterial ATP synthase bound to the tuberculosis drug bedaquiline. <i>Nature</i> , 2021, 589, 143-147.	27.8	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.	0.8	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.	14.3	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.	8.9	16
7	DNA binding mechanism of WhiB4 from <i>Mycobacterium tuberculosis</i> . <i>Magnetic Resonance Letters</i> , 2021, 2, 100010.	1.3	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.	1.0	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.	4.8	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.	4.5	8
11	<i>Mycobacterial Virulence Factors: Surface-Exposed Lipids and Secreted Proteins</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 3985.	4.1	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.	14.5	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.	2.3	7
14	Recombinant BCG Overexpressing <i>phoP-phoR</i> Confers Enhanced Protection against Tuberculosis. <i>Molecular Therapy</i> , 2018, 26, 2863-2874.	8.2	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.	14.5	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.	4.4	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.	6.5	21
18	Modulation of Central Carbon Metabolism by Acetylation of Isocitrate Lyase in <i>Mycobacterium tuberculosis</i> . <i>Scientific Reports</i> , 2017, 7, 44826.	3.3	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.	3.3	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.	3.9	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.	3.9	56
22	Loss of Lipid Virulence Factors Reduces the Efficacy of the BCG Vaccine. <i>Scientific Reports</i> , 2016, 6, 29076.	3.3	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.	8.2	96
24	A Novel AT-Rich DNA Recognition Mechanism for Bacterial Xenogeneic Silencer MvaT. <i>PLoS Pathogens</i> , 2015, 11, e1004967.	4.7	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.	2.5	56
26	BCG Vaccines. <i>Microbiology Spectrum</i> , 2014, 2, MGM2-0028-2013.	3.0	30
27	Hiding behind the mycobacterial cell wall. <i>Trends in Microbiology</i> , 2014, 22, 110-112.	7.7	0
28	PhoY2 of <i>Mycobacteria</i> Is Required for Metabolic Homeostasis and Stress Response. <i>Journal of Bacteriology</i> , 2013, 195, 243-252.	2.2	23
29	Mechanism of DNA organization by <i>Mycobacterium tuberculosis</i> protein Lsr2. <i>Nucleic Acids Research</i> , 2013, 41, 5263-5272.	14.5	48
30	Genome Sequencing and Analysis of BCG Vaccine Strains. <i>PLoS ONE</i> , 2013, 8, e71243.	2.5	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.	4.4	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.	2.2	81
33	Silencing of foreign DNA in bacteria. <i>Current Opinion in Microbiology</i> , 2012, 15, 175-181.	5.1	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.	2.2	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.	6.0	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.	1.9	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.	2.2	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.	7.1	204
39	Malaria exacerbates experimental mycobacterial infection in vitro and in vivo. <i>Microbes and Infection</i> , 2010, 12, 864-874.	1.9	32
40	CD36 deficiency attenuates experimental mycobacterial infection. <i>BMC Infectious Diseases</i> , 2010, 10, 299.	2.9	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.	7.1	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.	4.7	233
44	MyBASE: a database for genome polymorphism and gene function studies of <i>Mycobacterium</i> . <i>BMC Microbiology</i> , 2009, 9, 40.	3.3	14
45	Novel genome polymorphisms in BCG vaccine strains and impact on efficacy. <i>BMC Genomics</i> , 2008, 9, 413.	2.8	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.	1.9	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.	2.2	109
48	Lsr2 of <i>Mycobacterium tuberculosis</i> is a DNA-bridging protein. <i>Nucleic Acids Research</i> , 2008, 36, 2123-2135.	14.5	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.	2.2	260
50	Differential productions of lipid virulence factors among BCG vaccine strains and implications on BCG safety. <i>Vaccine</i> , 2007, 25, 8114-8122.	3.8	56
51	Identification of the lipooligosaccharide biosynthetic gene cluster from <i>Mycobacterium marinum</i> . <i>Molecular Microbiology</i> , 2007, 63, 1345-1359.	2.5	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.	2.1	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.	3.2	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.	2.2	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.	3.4	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.	3.4	52
59	Impact of Methoxymycolic Acid Production by <i>Mycobacterium bovis</i> BCG Vaccines. <i>Infection and Immunity</i> , 2004, 72, 2803-2809.	2.2	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.	2.3	90
61	Binding of ATP as Well as Tetrahydrofolate Induces Conformational Changes in <i>Lactobacillus casei</i> Polyglutamate Synthetase in Solution. <i>Biochemistry</i> , 2003, 42, 1537-1543.	2.5	3
62	Mechanism of SMRT Corepressor Recruitment by the BCL6 BTB Domain. <i>Molecular Cell</i> , 2003, 12, 1551-1564.	9.7	251
63	<i>Mycobacterium bovis</i> BCG Vaccines Exhibit Defects in Alanine and Serine Catabolism. <i>Infection and Immunity</i> , 2003, 71, 708-716.	2.2	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.	3.4	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.	3.2	23
66	Central Region of the Human Splicing Factor Hprp3p Interacts with Hprp4p. <i>Journal of Biological Chemistry</i> , 2002, 277, 23764-23772.	3.4	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.	3.4	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.	3.4	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.	7.1	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.	3.4	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.	2.2	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.	2.2	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.	3.4	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.	7.1	135
75	Denaturant Unfolding of the Ferric Enterobactin Receptor and Ligand-Induced Stabilization Studied by Site-Directed Spin Labeling. Biochemistry, 1995, 34, 14230-14236.	2.5	44
76	A Site-Directed Spin-Labeling Study of Ligand-Induced Conformational Change in the Ferric Enterobactin Receptor, FepA. Biochemistry, 1994, 33, 13274-13283.	2.5	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.	7.1	70
78	Formation of a gated channel by a ligand-specific transport protein in the bacterial outer membrane. Science, 1992, 258, 471-475.	12.6	185
79	BCG Vaccines. , 0, , 49-59.		0