

Vinai Chittezhham Thomas

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,177
citations

279487

23
h-index

288905

40
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44
all docs

44
docs citations

44
times ranked

2738
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of Autolysis-Dependent Extracellular DNA Release by <i>Enterococcus faecalis</i> Extracellular Proteases Influences Biofilm Development. <i>Journal of Bacteriology</i> , 2008, 190, 5690-5698.	1.0	255
2	A fratricidal mechanism is responsible for eDNA release and contributes to biofilm development of <i>Enterococcus faecalis</i> . <i>Molecular Microbiology</i> , 2009, 72, 1022-1036.	1.2	161
3	Gelatinase Contributes to the Pathogenesis of Endocarditis Caused by <i>Enterococcus faecalis</i> . <i>Infection and Immunity</i> , 2010, 78, 4936-4943.	1.0	147
4	Capsular Polysaccharide Production in <i>Enterococcus faecalis</i> and Contribution of CpsF to Capsule Serospecificity. <i>Journal of Bacteriology</i> , 2009, 191, 6203-6210.	1.0	136
5	Multiple Targets of Nitric Oxide in the Tricarboxylic Acid Cycle of <i>Salmonella enterica</i> Serovar Typhimurium. <i>Cell Host and Microbe</i> , 2011, 10, 33-43.	5.1	112
6	Transformation of Human Cathelicidin LL-37 into Selective, Stable, and Potent Antimicrobial Compounds. <i>ACS Chemical Biology</i> , 2014, 9, 1997-2002.	1.6	110
7	Lactate production by <i>Staphylococcus aureus</i> biofilm inhibits HDAC11 to reprogramme the host immune response during persistent infection. <i>Nature Microbiology</i> , 2020, 5, 1271-1284.	5.9	102
8	A Central Role for Carbon-Overflow Pathways in the Modulation of Bacterial Cell Death. <i>PLoS Pathogens</i> , 2014, 10, e1004205.	2.1	99
9	Decoding the Functional Roles of Cationic Side Chains of the Major Antimicrobial Region of Human Cathelicidin LL-37. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 845-856.	1.4	88
10	Arginine Deiminase in <i>Staphylococcus epidermidis</i> Functions To Augment Biofilm Maturation through pH Homeostasis. <i>Journal of Bacteriology</i> , 2014, 196, 2277-2289.	1.0	82
11	Urease is an essential component of the acid response network of <i>Staphylococcus aureus</i> and is required for a persistent murine kidney infection. <i>PLoS Pathogens</i> , 2019, 15, e1007538.	2.1	82
12	The NsrR regulon in nitrosative stress resistance of <i>Salmonella enterica</i> serovar Typhimurium. <i>Molecular Microbiology</i> , 2012, 85, 1179-1193.	1.2	80
13	<i>Enterococcus faecalis</i> Capsular Polysaccharide Serotypes C and D and Their Contributions to Host Innate Immune Evasion. <i>Infection and Immunity</i> , 2009, 77, 5551-5557.	1.0	76
14	Inactivation of the Pta-AckA Pathway Causes Cell Death in <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2013, 195, 3035-3044.	1.0	68
15	The ClpXP protease is dispensable for degradation of unfolded proteins in <i>Staphylococcus aureus</i> . <i>Scientific Reports</i> , 2017, 7, 11739.	1.6	53
16	A Dysfunctional Tricarboxylic Acid Cycle Enhances Fitness of <i>Staphylococcus epidermidis</i> During β -Lactam Stress. <i>MBio</i> , 2013, 4, .	1.8	48
17	Suicide and Fratricide in Bacterial Biofilms. <i>International Journal of Artificial Organs</i> , 2009, 32, 537-544.	0.7	42
18	Full Activation of <i>Enterococcus faecalis</i> Gelatinase by a C-Terminal Proteolytic Cleavage. <i>Journal of Bacteriology</i> , 2007, 189, 8835-8843.	1.0	39

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19	<i>Enterococcus faecalis</i> with the gelatinase phenotype regulated by the <i>fsr</i> operon and with biofilm-forming capacity are common in the agricultural environment. <i>Environmental Microbiology</i> , 2009, 11, 1540-1547.	1.8	37
20	Nitrite Derived from Endogenous Bacterial Nitric Oxide Synthase Activity Promotes Aerobic Respiration. <i>MBio</i> , 2017, 8, .	1.8	31
21	Mucin 5AC Serves as the Nexus for β -Catenin/c-Myc Interplay to Promote Glutamine Dependency During Pancreatic Cancer Chemoresistance. <i>Gastroenterology</i> , 2022, 162, 253-268.e13.	0.6	30
22	The LysR-type transcriptional regulator, CidR, regulates stationary phase cell death in <i>Staphylococcus aureus</i> . <i>Molecular Microbiology</i> , 2016, 101, 942-953.	1.2	29
23	SrrAB Modulates <i>Staphylococcus aureus</i> Cell Death through Regulation of <i>cidABC</i> Transcription. <i>Journal of Bacteriology</i> , 2016, 198, 1114-1122.	1.0	29
24	Identification of the main glutamine and glutamate transporters in <i>Staphylococcus aureus</i> and their impact on c-diAMP production. <i>Molecular Microbiology</i> , 2020, 113, 1085-1100.	1.2	27
25	Redox Imbalance Underlies the Fitness Defect Associated with Inactivation of the Pta-AckA Pathway in <i>Staphylococcus aureus</i> . <i>Journal of Proteome Research</i> , 2016, 15, 1205-1212.	1.8	26
26	<i>Staphylococcus aureus</i> ATP Synthase Promotes Biofilm Persistence by Influencing Innate Immunity. <i>MBio</i> , 2020, 11, .	1.8	25
27	Potassium Uptake Modulates <i>Staphylococcus aureus</i> Metabolism. <i>MSphere</i> , 2016, 1, .	1.3	22
28	Dual Gene Expression Analysis Identifies Factors Associated with <i>Staphylococcus aureus</i> Virulence in Diabetic Mice. <i>Infection and Immunity</i> , 2019, 87, .	1.0	22
29	Resistance to Acute Macrophage Killing Promotes Airway Fitness of Prevalent Community-Acquired <i>Staphylococcus aureus</i> Strains. <i>Journal of Immunology</i> , 2016, 196, 4196-4203.	0.4	18
30	Accumulation of Succinyl Coenzyme A Perturbs the Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) Succinylome and Is Associated with Increased Susceptibility to Beta-Lactam Antibiotics. <i>MBio</i> , 2021, 12, e0053021.	1.8	16
31	CidR and CcpA Synergistically Regulate <i>Staphylococcus aureus</i> <i>cidABC</i> Expression. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	14
32	An integrated computational and experimental study to investigate <i>Staphylococcus aureus</i> metabolism. <i>Npj Systems Biology and Applications</i> , 2020, 6, 3.	1.4	12
33	Emerging Roles of Nitric Oxide Synthase in Bacterial Physiology. <i>Advances in Microbial Physiology</i> , 2018, 72, 147-191.	1.0	11
34	The <i>Staphylococcus aureus</i> CidA and LrgA Proteins Are Functional Holins Involved in the Transport of By-Products of Carbohydrate Metabolism. <i>MBio</i> , 2022, 13, e0282721.	1.8	9
35	Catabolic Ornithine Carbamoyltransferase Activity Facilitates Growth of <i>Staphylococcus aureus</i> in Defined Medium Lacking Glucose and Arginine. <i>MBio</i> , 2022, 13, e0039522.	1.8	9
36	Interplay of CodY and CcpA in Regulating Central Metabolism and Biofilm Formation in <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2022, 204, .	1.0	9

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37	Electron Paramagnetic Resonance (EPR) Spectroscopy to Detect Reactive Oxygen Species in <i>Staphylococcus aureus</i> . <i>Bio-protocol</i> , 2015, 5, .	0.2	8
38	Staphylococcal ClpXP protease targets the cellular antioxidant system to eliminate fitness-compromised cells in stationary phase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	7
39	Take my breath away. <i>ELife</i> , 2017, 6, .	2.8	4
40	Bacterial Nitric Oxide Synthase Effectively Mitigates Flavohemoglobin-Mediated Superoxide Production to Enhance Fitness. <i>Free Radical Biology and Medicine</i> , 2022, 180, s100.	1.3	0