

Chenggang Wu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The <i>Actinomyces oris</i> type 2 fimbrial shaft FimA mediates coaggregation with oral streptococci, adherence to red blood cells and biofilm development. <i>Molecular Microbiology</i> , 2010, 77, 841-854.	2.5	70
2	Lethality of sortase depletion in <i>Actinomyces oris</i> caused by excessive membrane accumulation of a surface glycoprotein. <i>Molecular Microbiology</i> , 2014, 94, 1227-1241.	2.5	45
3	Forward Genetic Dissection of Biofilm Development by <i>Fusobacterium nucleatum</i> : Novel Functions of Cell Division Proteins FtsX and EnvC. <i>MBio</i> , 2018, 9, .	4.1	41
4	The <i>cia</i> operon of <i>Streptococcus mutans</i> encodes a unique component required for calcium-mediated autoregulation. <i>Molecular Microbiology</i> , 2008, 70, 112-126.	2.5	37
5	Dual Function of a Tip Fimbrillin of <i>Actinomyces</i> in Fimbrial Assembly and Receptor Binding. <i>Journal of Bacteriology</i> , 2011, 193, 3197-3206.	2.2	36
6	Genetic and molecular determinants of polymicrobial interactions in <i>Fusobacterium nucleatum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	36
7	A Disulfide Bond-forming Machine Is Linked to the Sortase-mediated Pilus Assembly Pathway in the Gram-positive Bacterium <i>Actinomyces oris</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 21393-21405.	3.4	28
8	Structural Determinants of <i>Actinomyces</i> sortase SrtC2 Required for Membrane Localization and Assembly of Type 2 Fimbriae for Interbacterial Coaggregation and Oral Biofilm Formation. <i>Journal of Bacteriology</i> , 2012, 194, 2531-2539.	2.2	25
9	Evolution of substrate specificity in a retained enzyme driven by gene loss. <i>ELife</i> , 2017, 6, .	6.0	23
10	Cell-to-cell interaction requires optimal positioning of a pilus tip adhesin modulated by gram-positive transpeptidase enzymes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18041-18049.	7.1	21
11	Genetic Manipulation and Virulence Assessment of <i>Fusobacterium nucleatum</i> . <i>Current Protocols in Microbiology</i> , 2020, 57, e104.	6.5	20
12	Structure and Mechanism of LcpA, a Phosphotransferase That Mediates Glycosylation of a Gram-Positive Bacterial Cell Wall-Anchored Protein. <i>MBio</i> , 2019, 10, .	4.1	19
13	Allelic Exchange in <i>Actinomyces oris</i> with mCherry Fluorescence Counterselection. <i>Applied and Environmental Microbiology</i> , 2010, 76, 5987-5989.	3.1	18
14	Electron Transport Chain Is Biochemically Linked to Pilus Assembly Required for Polymicrobial Interactions and Biofilm Formation in the Gram-Positive Actinobacterium <i>Actinomyces oris</i> . <i>MBio</i> , 2017, 8, .	4.1	17
15	A unique bacterial secretion machinery with multiple secretion centers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2119907119.	7.1	17
16	A Type I Signal Peptidase Is Required for Pilus Assembly in the Gram-Positive, Biofilm-Forming Bacterium <i>Actinomyces oris</i> . <i>Journal of Bacteriology</i> , 2016, 198, 2064-2073.	2.2	15
17	A Cell-based Screen in <i>Actinomyces oris</i> to Identify Sortase Inhibitors. <i>Scientific Reports</i> , 2020, 10, 8520.	3.3	15
18	The Fused Methionine Sulfoxide Reductase MsrAB Promotes Oxidative Stress Defense and Bacterial Virulence in <i>Fusobacterium nucleatum</i> . <i>MBio</i> , 2022, 13, e0302221.	4.1	9

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19	Genetics and Cell Morphology Analyses of the <i>Actinomyces oris</i> srtA Mutant. <i>Methods in Molecular Biology</i> , 2016, 1440, 109-122.	0.9	5
20	A cell wall-anchored glycoprotein confers resistance to cation stress in <i>Actinomyces oris</i> biofilms. <i>Molecular Oral Microbiology</i> , 2022, , .	2.7	3
21	A conserved signal-peptidase antagonist modulates membrane homeostasis of actinobacterial sortase critical for surface morphogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	2