

Boo Shan Tseng

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

3,029
citations

566801

15
h-index

794141

19
g-index

30
all docs

30
docs citations

30
times ranked

4509
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of HP1 chromatin binding by histone H3 methylation and phosphorylation. <i>Nature</i> , 2005, 438, 1116-1122.	13.7	834
2	Pel is a cationic exopolysaccharide that cross-links extracellular DNA in the <i>Pseudomonas aeruginosa</i> biofilm matrix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11353-11358.	3.3	485
3	Precision-engineering the <i>Pseudomonas aeruginosa</i> genome with two-step allelic exchange. <i>Nature Protocols</i> , 2015, 10, 1820-1841.	5.5	381
4	The extracellular matrix protects <i>Pseudomonas aeruginosa</i> biofilms by limiting the penetration of tobramycin. <i>Environmental Microbiology</i> , 2013, 15, 2865-2878.	1.8	357
5	Psl trails guide exploration and microcolony formation in <i>Pseudomonas aeruginosa</i> biofilms. <i>Nature</i> , 2013, 497, 388-391.	13.7	308
6	Extracellular DNA Impedes the Transport of Vancomycin in <i>Staphylococcus epidermidis</i> Biofilms Preexposed to Subinhibitory Concentrations of Vancomycin. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 7273-7282.	1.4	102
7	Heterogeneity in surface sensing suggests a division of labor in <i>Pseudomonas aeruginosa</i> populations. <i>ELife</i> , 2019, 8, .	2.8	96
8	Dual Detection of Chromosomes and Microtubules by the Chromosomal Passenger Complex Drives Spindle Assembly. <i>Developmental Cell</i> , 2010, 18, 903-912.	3.1	91
9	An Update on the Sociomicrobiology of Quorum Sensing in Gram-Negative Biofilm Development. <i>Pathogens</i> , 2017, 6, 51.	1.2	87
10	A Biofilm Matrix-Associated Protease Inhibitor Protects <i>Pseudomonas aeruginosa</i> from Proteolytic Attack. <i>MBio</i> , 2018, 9, .	1.8	63
11	Dynamic Regulation of Effector Protein Binding to Histone Modifications: The Biology of HP1 Switching. <i>Cell Cycle</i> , 2006, 5, 2842-2851.	1.3	59
12	Quorum Sensing Influences <i>Burkholderia thailandensis</i> Biofilm Development and Matrix Production. <i>Journal of Bacteriology</i> , 2016, 198, 2643-2650.	1.0	39
13	Dual recognition of chromatin and microtubules by INCENP is important for mitotic progression. <i>Journal of Cell Biology</i> , 2017, 216, 925-941.	2.3	36
14	Bacterial cyclic diguanylate signaling networks sense temperature. <i>Nature Communications</i> , 2021, 12, 1986.	5.8	35
15	Pushing beyond the Envelope: the Potential Roles of OprF in <i>Pseudomonas aeruginosa</i> Biofilm Formation and Pathogenicity. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	29
16	The anti- σ factor MucA is required for viability in <i>Pseudomonas aeruginosa</i> . <i>Molecular Microbiology</i> , 2021, 116, 550-563.	1.2	11
17	The anti- σ factor MucA of <i>Pseudomonas aeruginosa</i> : Dramatic differences of a mucA22 vs. a Δ mucA mutant in anaerobic acidified nitrite sensitivity of planktonic and biofilm bacteria in vitro and during chronic murine lung infection. <i>PLoS ONE</i> , 2019, 14, e0216401.	1.1	10
18	Bacterial Adaptation in Structured Environments: Lessons from Darwin's Finches. <i>Trends in Microbiology</i> , 2021, 29, 5-7.	3.5	1

#	ARTICLE	IF	CITATIONS
19	Factors That Impact <i>Pseudomonas aeruginosa</i> Biofilm Structure and Function. , 0, , 1-20.		0