

Chuan Hao Tan

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,532
citations

516710

16
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

2237
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of quorum sensing signalling in EPS production and the assembly of a sludge community into aerobic granules. <i>ISME Journal</i> , 2014, 8, 1186-1197.	9.8	330
2	The biofilm life cycle and virulence of <i>Pseudomonas aeruginosa</i> are dependent on a filamentous prophage. <i>ISME Journal</i> , 2009, 3, 271-282.	9.8	296
3	Living and Conducting: Coating Individual Bacterial Cells with In Situ Formed Polypyrrole. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10516-10520.	13.8	206
4	Community quorum sensing signalling and quenching: microbial granular biofilm assembly. <i>Npj Biofilms and Microbiomes</i> , 2015, 1, 15006.	6.4	143
5	All together now: experimental multispecies biofilm model systems. <i>Environmental Microbiology</i> , 2017, 19, 42-53.	3.8	88
6	Quorum quenching bacteria can be used to inhibit the biofouling of reverse osmosis membranes. <i>Water Research</i> , 2017, 112, 29-37.	11.3	77
7	Engineering a light-responsive, quorum quenching biofilm to mitigate biofouling on water purification membranes. <i>Science Advances</i> , 2018, 4, eaau1459.	10.3	59
8	Nucleophosmin Interacts with HEXIM1 and Regulates RNA Polymerase II Transcription. <i>Journal of Molecular Biology</i> , 2008, 378, 302-317.	4.2	50
9	Predation by <i>Bdellovibrio bacteriovorus</i> significantly reduces viability and alters the microbial community composition of activated sludge flocs and granules. <i>FEMS Microbiology Ecology</i> , 2017, 93, .	2.7	45
10	Isolation of <i>Bdellovibrio bacteriovorus</i> from a tropical wastewater treatment plant and predation of mixed species biofilms assembled by the native community members. <i>Environmental Microbiology</i> , 2016, 18, 3923-3931.	3.8	38
11	A programmable lipid-polymer hybrid nanoparticle system for localized, sustained antibiotic delivery to Gram-positive and Gram-negative bacterial biofilms. <i>Nanoscale Horizons</i> , 2018, 3, 305-311.	8.0	29
12	Impacts of nanomaterials on bacterial quorum sensing: differential effects on different signals. <i>Environmental Science: Nano</i> , 2016, 3, 351-356.	4.3	27
13	Minimal increase in genetic diversity enhances predation resistance. <i>Molecular Ecology</i> , 2012, 21, 1741-1753.	3.9	21
14	Convection and the Extracellular Matrix Dictate Inter- and Intra-Biofilm Quorum Sensing Communication in Environmental Systems. <i>Environmental Science & Technology</i> , 2020, 54, 6730-6740.	10.0	21
15	Mechanistic formation of drug-encapsulated Janus particles through emulsion solvent evaporation. <i>RSC Advances</i> , 2018, 8, 16032-16042.	3.6	20
16	<i>Sphingobacterium cellulitidis</i> sp. nov., isolated from clinical and environmental sources. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 1415-1421.	1.7	18
17	NPMc+ AML cell line shows differential protein expression and lower sensitivity to DNA-damaging and p53-inducing anticancer compounds. <i>Cell Cycle</i> , 2011, 10, 1978-1987.	2.6	13
18	Potential Probiotic Strains From Milk and Water Kefir Grains in Singapore – Use for Defense Against Enteric Bacterial Pathogens. <i>Frontiers in Microbiology</i> , 2022, 13, 857720.	3.5	10

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19	Identification of cellular genes critical to recombinant protein production using a <i>Gaussia</i> luciferase-based siRNA screening system. <i>Journal of Biotechnology</i> , 2010, 146, 160-168.	3.8	9
20	Microbial predation accelerates granulation and modulates microbial community composition. <i>BMC Microbiology</i> , 2021, 21, 91.	3.3	9
21	Lipid-Polymer Hybrid Nanoparticles Enhance the Potency of Ampicillin against <i>Enterococcus faecalis</i> in a Protozoa Infection Model. <i>ACS Infectious Diseases</i> , 2021, 7, 1607-1618.	3.8	9
22	Functional metagenomic analysis of quorum sensing signaling in a nitrifying community. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 79.	6.4	8
23	Broiler responses to dietary 3,4,5-trihydroxybenzoic acid and oregano extracts under <i>Eimeria</i> challenge conditions. <i>Journal of Animal Science and Technology</i> , 2021, 63, 1362-1375.	2.5	6