

Theerthankar Das

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,757
citations

471509

17
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

2427
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Extracellular DNA in Initial Bacterial Adhesion and Surface Aggregation. <i>Applied and Environmental Microbiology</i> , 2010, 76, 3405-3408.	3.1	265
2	Pyocyanin Promotes Extracellular DNA Release in <i>Pseudomonas aeruginosa</i> . <i>PLoS ONE</i> , 2012, 7, e46718.	2.5	211
3	The roles of extracellular DNA in the structural integrity of extracellular polymeric substance and bacterial biofilm development. <i>Environmental Microbiology Reports</i> , 2013, 5, 778-786.	2.4	210
4	A Functional DNase I Coating to Prevent Adhesion of Bacteria and the Formation of Biofilm. <i>Advanced Functional Materials</i> , 2013, 23, 2843-2849.	14.9	165
5	Phenazine virulence factor binding to extracellular DNA is important for <i>Pseudomonas aeruginosa</i> biofilm formation. <i>Scientific Reports</i> , 2015, 5, 8398.	3.3	152
6	Influence of Calcium in Extracellular DNA Mediated Bacterial Aggregation and Biofilm Formation. <i>PLoS ONE</i> , 2014, 9, e91935.	2.5	133
7	Pyocyanin Facilitates Extracellular DNA Binding to <i>Pseudomonas aeruginosa</i> Influencing Cell Surface Properties and Aggregation. <i>PLoS ONE</i> , 2013, 8, e58299.	2.5	102
8	DNA-mediated bacterial aggregation is dictated by acid-base interactions. <i>Soft Matter</i> , 2011, 7, 2927.	2.7	77
9	Bacteriophage PEV20 and Ciprofloxacin Combination Treatment Enhances Removal of <i>Pseudomonas aeruginosa</i> Biofilm Isolated from Cystic Fibrosis and Wound Patients. <i>AAPS Journal</i> , 2019, 21, 49.	4.4	64
10	<i>Serratia</i> Secondary Metabolite Prodigiosin Inhibits <i>Pseudomonas aeruginosa</i> Biofilm Development by Producing Reactive Oxygen Species that Damage Biological Molecules. <i>Frontiers in Microbiology</i> , 2016, 7, 972.	3.5	51
11	Glutathione-Disrupted Biofilms of Clinical <i>Pseudomonas aeruginosa</i> Strains Exhibit an Enhanced Antibiotic Effect and a Novel Biofilm Transcriptome. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4539-4551.	3.2	50
12	Two-in-One Biointerfaces Antimicrobial and Bioactive Nanoporous Gallium Titanate Layers for Titanium Implants. <i>Nanomaterials</i> , 2017, 7, 229.	4.1	45
13	Glutathione Enhances Antibiotic Efficiency and Effectiveness of DNase I in Disrupting <i>Pseudomonas aeruginosa</i> Biofilms While Also Inhibiting Pyocyanin Activity, Thus Facilitating Restoration of Cell Enzymatic Activity, Confluence and Viability. <i>Frontiers in Microbiology</i> , 2017, 8, 2429.	3.5	28
14	Conditions Under Which Glutathione Disrupts the Biofilms and Improves Antibiotic Efficacy of Both ESKAPE and Non-ESKAPE Species. <i>Frontiers in Microbiology</i> , 2019, 10, 2000.	3.5	22
15	Phenazine production enhances extracellular DNA release via hydrogen peroxide generation in <i>Pseudomonas aeruginosa</i> . <i>Communicative and Integrative Biology</i> , 2013, 6, e23570.	1.4	21
16	Surface analysis reveals biogenic oxidation of sub-bituminous coal by <i>Pseudomonas fluorescens</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 6443-6452.	3.6	19
17	The effect of N-acetylcysteine in a combined antibiofilm treatment against antibiotic-resistant <i>Staphylococcus aureus</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 1787-1798.	3.0	19
18	Evidence of microscopic correlation between biofilm kinetics and divalent cations for enhanced wastewater treatment efficiency. <i>RSC Advances</i> , 2016, 6, 15112-15120.	3.6	17

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19	Thioether-linked dihydropyrrol-2-one analogues as PqsR antagonists against antibiotic resistant <i>Pseudomonas aeruginosa</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2021, 31, 115967.	3.0	15
20	N-Acetylcysteine Protects Bladder Epithelial Cells from Bacterial Invasion and Displays Antibiofilm Activity against Urinary Tract Bacterial Pathogens. <i>Antibiotics</i> , 2021, 10, 900.	3.7	14
21	Novel Seleno- and Thio-Urea Containing Dihydropyrrol-2-One Analogues as Antibacterial Agents. <i>Antibiotics</i> , 2021, 10, 321.	3.7	12
22	Surface physico-chemistry governing microbial cell attachment and biofilm formation on coal. <i>International Journal of Coal Geology</i> , 2021, 236, 103671.	5.0	11
23	Disruption of biofilms and killing of <i>Burkholderia cenocepacia</i> from cystic fibrosis lung using an antioxidant-antibiotic combination therapy. <i>International Journal of Antimicrobial Agents</i> , 2021, 58, 106372.	2.5	10
24	Halogenated Dihydropyrrol-2-One Molecules Inhibit Pyocyanin Biosynthesis by Blocking the <i>Pseudomonas</i> Quinolone Signaling System. <i>Molecules</i> , 2022, 27, 1169.	3.8	8
25	Design, Synthesis and Biological Evaluation of Novel Anthraniloyl-AMP Mimics as PQS Biosynthesis Inhibitors Against <i>Pseudomonas aeruginosa</i> Resistance. <i>Molecules</i> , 2020, 25, 3103.	3.8	7
26	Effect of N-Acetylcysteine in Combination with Antibiotics on the Biofilms of Three Cystic Fibrosis Pathogens of Emerging Importance. <i>Antibiotics</i> , 2021, 10, 1176.	3.7	7
27	Antimicrobial and Anti-inflammatory Gallium-Defensin Surface Coatings for Implantable Devices. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 9685-9696.	8.0	7
28	Covalent Immobilization of N-Acetylcysteine on a Polyvinyl Chloride Substrate Prevents Bacterial Adhesion and Biofilm Formation. <i>Langmuir</i> , 2020, 36, 13023-13033.	3.5	6
29	<i>Pseudomonas aeruginosa</i> biofilms and infections: Roles of extracellular molecules. , 2020, , 29-46.		5
30	Spray-Dried Particles of Nitric Oxide-Modified Glutathione for the Treatment of Chronic Lung Infection. <i>Molecular Pharmaceutics</i> , 2019, 16, 1723-1731.	4.6	2
31	Natural Product Rottlerin Derivatives Targeting Quorum Sensing. <i>Molecules</i> , 2021, 26, 3745.	3.8	2