

Theerthankar Das

List of Publications by Year in descending order

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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	Antimicrobial and Anti-inflammatory Gallium-Defensin Surface Coatings for Implantable Devices. ACS Applied Materials & Interfaces, 2022, 14, 9685-9696.	8.0	7
2	Halogenated Dihydropyrrol-2-One Molecules Inhibit Pyocyanin Biosynthesis by Blocking the Pseudomonas Quinolone Signaling System. Molecules, 2022, 27, 1169.	3.8	8
3	Thioether-linked dihydropyrrol-2-one analogues as PqsR antagonists against antibiotic resistant Pseudomonas aeruginosa. Bioorganic and Medicinal Chemistry, 2021, 31, 115967.	3.0	15
4	Novel Seleno- and Thio-Urea Containing Dihydropyrrol-2-One Analogues as Antibacterial Agents. Antibiotics, 2021, 10, 321.	3.7	12
5	Surface physico-chemistry governing microbial cell attachment and biofilm formation on coal. International Journal of Coal Geology, 2021, 236, 103671.	5.0	11
6	Natural Product Rottlerin Derivatives Targeting Quorum Sensing. Molecules, 2021, 26, 3745.	3.8	2
7	N-Acetylcysteine Protects Bladder Epithelial Cells from Bacterial Invasion and Displays Antibiofilm Activity against Urinary Tract Bacterial Pathogens. Antibiotics, 2021, 10, 900.	3.7	14
8	Disruption of biofilms and killing of Burkholderia cenocepacia from cystic fibrosis lung using an antioxidant-antibiotic combination therapy. International Journal of Antimicrobial Agents, 2021, 58, 106372.	2.5	10
9	Effect of N-Acetylcysteine in Combination with Antibiotics on the Biofilms of Three Cystic Fibrosis Pathogens of Emerging Importance. Antibiotics, 2021, 10, 1176.	3.7	7
10	Design, Synthesis and Biological Evaluation of Novel Anthraniloyl-AMP Mimics as PQS Biosynthesis Inhibitors Against Pseudomonas aeruginosa Resistance. Molecules, 2020, 25, 3103.	3.8	7
11	Covalent Immobilization of N-Acetylcysteine on a Polyvinyl Chloride Substrate Prevents Bacterial Adhesion and Biofilm Formation. Langmuir, 2020, 36, 13023-13033.	3.5	6
12	The effect of N-acetylcysteine in a combined antibiofilm treatment against antibiotic-resistant Staphylococcus aureus. Journal of Antimicrobial Chemotherapy, 2020, 75, 1787-1798.	3.0	19
13	Pseudomonas aeruginosa biofilms and infections: Roles of extracellular molecules. , 2020, , 29-46.		5
14	Conditions Under Which Glutathione Disrupts the Biofilms and Improves Antibiotic Efficacy of Both ESKAPE and Non-ESKAPE Species. Frontiers in Microbiology, 2019, 10, 2000.	3.5	22
15	Bacteriophage PEV20 and Ciprofloxacin Combination Treatment Enhances Removal of Pseudomonas aeruginosa Biofilm Isolated from Cystic Fibrosis and Wound Patients. AAPS Journal, 2019, 21, 49.	4.4	64
16	Spray-Dried Particles of Nitric Oxide-Modified Glutathione for the Treatment of Chronic Lung Infection. Molecular Pharmaceutics, 2019, 16, 1723-1731.	4.6	2
17	Two-in-One Biointerfaces Antimicrobial and Bioactive Nanoporous Gallium Titanate Layers for Titanium Implants. Nanomaterials, 2017, 7, 229.	4.1	45
18	Glutathione Enhances Antibiotic Efficiency and Effectiveness of DNase I in Disrupting Pseudomonas aeruginosa Biofilms While Also Inhibiting Pyocyanin Activity, Thus Facilitating Restoration of Cell Enzymatic Activity, Confluence and Viability. Frontiers in Microbiology, 2017, 8, 2429.	3.5	28

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19	Serratia Secondary Metabolite Prodigiosin Inhibits Pseudomonas aeruginosa Biofilm Development by Producing Reactive Oxygen Species that Damage Biological Molecules. <i>Frontiers in Microbiology</i> , 2016, 7, 972.	3.5	51
20	Glutathione-Disrupted Biofilms of Clinical Pseudomonas aeruginosa Strains Exhibit an Enhanced Antibiotic Effect and a Novel Biofilm Transcriptome. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4539-4551.	3.2	50
21	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
22	Phenazine virulence factor binding to extracellular DNA is important for Pseudomonas aeruginosa biofilm formation. <i>Scientific Reports</i> , 2015, 5, 8398.	3.3	152
23	Influence of Calcium in Extracellular DNA Mediated Bacterial Aggregation and Biofilm Formation. <i>PLoS ONE</i> , 2014, 9, e91935.	2.5	133
24	Surface analysis reveals biogenic oxidation of sub-bituminous coal by Pseudomonas fluorescens. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 6443-6452.	3.6	19
25	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
26	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
27	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
28	Pyocyanin Facilitates Extracellular DNA Binding to Pseudomonas aeruginosa Influencing Cell Surface Properties and Aggregation. <i>PLoS ONE</i> , 2013, 8, e58299.	2.5	102
29	Pyocyanin Promotes Extracellular DNA Release in Pseudomonas aeruginosa. <i>PLoS ONE</i> , 2012, 7, e46718.	2.5	211
30	DNA-mediated bacterial aggregation is dictated by acid-base interactions. <i>Soft Matter</i> , 2011, 7, 2927.	2.7	77
31	Role of Extracellular DNA in Initial Bacterial Adhesion and Surface Aggregation. <i>Applied and Environmental Microbiology</i> , 2010, 76, 3405-3408.	3.1	265