

Yuan-Zhao Ding

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Enhancing Bidirectional Electron Transfer of <i>Shewanella oneidensis</i> by a Synthetic Flavin Pathway. <i>ACS Synthetic Biology</i> , 2015, 4, 815-823.	3.8	219
2	Removal of silver nanoparticles in simulated wastewater treatment processes and its impact on COD and NH ₄ reduction. <i>Chemosphere</i> , 2012, 87, 248-252.	8.2	124
3	Disruption of Putrescine Biosynthesis in <i>Shewanella oneidensis</i> Enhances Biofilm Cohesiveness and Performance in Cr(VI) Immobilization. <i>Applied and Environmental Microbiology</i> , 2014, 80, 1498-1506.	3.1	101
4	Hybrid Conducting Biofilm with Built-in Bacteria for High-Performance Microbial Fuel Cells. <i>ChemElectroChem</i> , 2015, 2, 654-658.	3.4	77
5	In Situ Molecular Imaging of the Biofilm and Its Matrix. <i>Analytical Chemistry</i> , 2016, 88, 11244-11252.	6.5	76
6	Influence of bacterial incorporation on mechanical properties of engineered cementitious composites (ECC). <i>Construction and Building Materials</i> , 2019, 196, 195-203.	7.2	58
7	Foam, a promising vehicle to deliver nanoparticles for vadose zone remediation. <i>Journal of Hazardous Materials</i> , 2011, 186, 1773-1780.	12.4	53
8	Improving the Molecular Ion Signal Intensity for In Situ Liquid SIMS Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 2006-2013.	2.8	46
9	Elevated level of the second messenger c-di-GMP in <i>Comamonas testosteroni</i> enhances biofilm formation and biofilm-based biodegradation of 3-chloroaniline. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 1967-1976.	3.6	38
10	Chemically Functionalized Conjugated Oligoelectrolyte Nanoparticles for Enhancement of Current Generation in Microbial Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14501-14505.	8.0	30
11	Molecular evidence of a toxic effect on a biofilm and its matrix. <i>Analyst, The</i> , 2019, 144, 2498-2503.	3.5	23
12	Foam-Assisted Delivery of Nanoscale Zero Valent Iron in Porous Media. <i>Journal of Environmental Engineering, ASCE</i> , 2013, 139, 1206-1212.	1.4	21
13	Heavy metal pollution and transboundary issues in ASEAN countries. <i>Water Policy</i> , 2019, 21, 1096-1106.	1.5	17
14	Use of Genetically Modified Bacteria to Repair Cracks in Concrete. <i>Materials</i> , 2019, 12, 3912.	2.9	13
15	Mechanical performance of strain-hardening cementitious composites (SHCC) with bacterial addition. <i>Journal of Infrastructure Preservation and Resilience</i> , 2022, 3, .	3.2	11
16	Mechanical and Antibacterial Behavior of Photocatalytic Lightweight Engineered Cementitious Composites. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	2.9	9
17	Hybrid Conducting Biofilm with Built-in Bacteria for High-Performance Microbial Fuel Cells. <i>ChemElectroChem</i> , 2015, 2, 619-619.	3.4	1