

Yuan-Zhao Ding

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Mechanical performance of strain-hardening cementitious composites (SHCC) with bacterial addition. <i>Journal of Infrastructure Preservation and Resilience</i> , 2022, 3, . | 3.2 | 11 |
| 2 | Mechanical and Antibacterial Behavior of Photocatalytic Lightweight Engineered Cementitious Composites. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, . | 2.9 | 9 |
| 3 | Heavy metal pollution and transboundary issues in ASEAN countries. <i>Water Policy</i> , 2019, 21, 1096-1106. | 1.5 | 17 |
| 4 | Molecular evidence of a toxic effect on a biofilm and its matrix. <i>Analyst</i> , 2019, 144, 2498-2503. | 3.5 | 23 |
| 5 | Use of Genetically Modified Bacteria to Repair Cracks in Concrete. <i>Materials</i> , 2019, 12, 3912. | 2.9 | 13 |
| 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 | 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 |
| 8 | <i>In Situ</i> Molecular Imaging of the Biofilm and Its Matrix. <i>Analytical Chemistry</i> , 2016, 88, 11244-11252. | 6.5 | 76 |
| 9 | Hybrid Conducting Biofilm with Built-in Bacteria for High-Performance Microbial Fuel Cells. <i>ChemElectroChem</i> , 2015, 2, 619-619. | 3.4 | 1 |
| 10 | Hybrid Conducting Biofilm with Built-in Bacteria for High-Performance Microbial Fuel Cells. <i>ChemElectroChem</i> , 2015, 2, 654-658. | 3.4 | 77 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | Foam, a promising vehicle to deliver nanoparticles for vadose zone remediation. <i>Journal of Hazardous Materials</i> , 2011, 186, 1773-1780. | 12.4 | 53 |