

Feng Zhang

List of Publications by Year in descending order

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papers

979
citations

567281

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#	ARTICLE	IF	CITATIONS
1	Metal organic framework-derived CoMn ₂ O ₄ catalyst for heterogeneous activation of peroxymonosulfate and sulfanilamide degradation. <i>Chemical Engineering Journal</i> , 2018, 337, 101-109.	12.7	185
2	Enhancing Extracellular Electron Transfer of <i>Shewanella oneidensis</i> MR-1 through Coupling Improved Flavin Synthesis and Metal-Reducing Conduit for Pollutant Degradation. <i>Environmental Science & Technology</i> , 2017, 51, 5082-5089.	10.0	141
3	Exclusive Extracellular Bioreduction of Methyl Orange by Azo Reductase-Free <i>Geobacter sulfurreducens</i> . <i>Environmental Science & Technology</i> , 2017, 51, 8616-8623.	10.0	79
4	A Photometric High-Throughput Method for Identification of Electrochemically Active Bacteria Using a WO ₃ Nanocluster Probe. <i>Scientific Reports</i> , 2013, 3, 1315.	3.3	76
5	A plate-based electrochromic approach for the high-throughput detection of electrochemically active bacteria. <i>Nature Protocols</i> , 2014, 9, 112-119.	12.0	69
6	Rapid Release of Arsenite from Roxarsone Bioreduction by Exoelectrogenic Bacteria. <i>Environmental Science and Technology Letters</i> , 2017, 4, 350-355.	8.7	58
7	A magnetic CoFe ₂ O ₄ @CNS nanocomposite as an efficient, recyclable catalyst for peroxymonosulfate activation and pollutant degradation. <i>RSC Advances</i> , 2017, 7, 55020-55025.	3.6	47
8	Electrochemically Catalytic Degradation of Phenol with Hydrogen Peroxide in Situ Generated and Activated by a Municipal Sludge-Derived Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5540-5546.	6.7	38
9	Anaerobic reduction of 2,6-dinitrotoluene by <i>Shewanella oneidensis</i> MR-1: Roles of Mtr respiratory pathway and NfnB. <i>Biotechnology and Bioengineering</i> , 2017, 114, 761-768.	3.3	35
10	A high-throughput dye-reducing photometric assay for evaluating microbial exoelectrogenic ability. <i>Bioresource Technology</i> , 2017, 241, 743-749.	9.6	23
11	Rapid Detection and Enumeration of Exoelectrogenic Bacteria in Lake Sediments and a Wastewater Treatment Plant Using a Coupled WO ₃ Nanoclusters and Most Probable Number Method. <i>Environmental Science and Technology Letters</i> , 2016, 3, 133-137.	8.7	22
12	Framework of Cytochrome/B ₂ Linker/Graphene for Robust Microbial Electricity Generation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35090-35098.	8.0	22
13	Rapid aerobic visible-light-driven photo-reduction of nitrobenzene. <i>Science of the Total Environment</i> , 2020, 710, 136322.	8.0	18
14	Algal biomass derived biochar anode for efficient extracellular electron uptake from <i>Shewanella oneidensis</i> MR-1. <i>Frontiers of Environmental Science and Engineering</i> , 2018, 12, 1.	6.0	17
15	Defect-engineered transition metal hydroxide nanosheets realizing tumor-microenvironment-responsive multimodal-imaging-guided NIR-II photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8323-8336.	5.8	17
16	Room-temperature air oxidation of organic pollutants via electrocatalysis by nanoscaled Co-CoO on graphite felt anode. <i>Environment International</i> , 2019, 131, 104977.	10.0	16
17	Temperature Responsive Shape-Memory Scaffolds with Circumferentially Aligned Nanofibers for Guiding Smooth Muscle Cell Behavior. <i>Macromolecular Bioscience</i> , 2020, 20, e1900312.	4.1	16
18	Soluble microbial products from the white-rot fungus <i>Phanerochaete chrysosporium</i> as the bioflocculant for municipal wastewater treatment. <i>Science of the Total Environment</i> , 2021, 780, 146662.	8.0	16

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19	Graphene Oxide Immobilized PLGA-polydopamine Nanofibrous Scaffolds for Growth Inhibition of Colon Cancer Cells. <i>Macromolecular Bioscience</i> , 2018, 18, e1800321.	4.1	14
20	Probing Microbial Extracellular Respiration Ability Using Riboflavin. <i>Analytical Chemistry</i> , 2020, 92, 10606-10612.	6.5	14
21	Mechanisms behind the accelerated extracellular electron transfer in <i>Geobacter sulfurreducens</i> DL-1 by modifying gold electrode with self-assembled monolayers. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 531-538.	6.0	12
22	Procyanidin B2 Reduces Vascular Calcification through Inactivation of ERK1/2-RUNX2 Pathway. <i>Antioxidants</i> , 2021, 10, 916.	5.1	9
23	Electro-activation of O ₂ on MnO ₂ /graphite felt for efficient oxidation of water contaminants under room condition. <i>Chemosphere</i> , 2019, 234, 269-276.	8.2	8
24	Extracellular electron transfer via multiple electron shuttles in waterborne <i>Aeromonas hydrophila</i> for bioreduction of pollutants. <i>Biotechnology and Bioengineering</i> , 2021, 118, 4760-4770.	3.3	7
25	Evaluation of the after-effects of cyanobacterial cell removal and lysis by photocatalysis using Ag/AgBr/TiO ₂ . <i>Water Science and Technology</i> , 2014, 70, 828-834.	2.5	5
26	A gold microarray electrode on a poly(methylmethacrylate) substrate to improve the performance of microbial fuel cells by modifying biofilm formation. <i>RSC Advances</i> , 2016, 6, 114937-114943.	3.6	5
27	Plate-Based Kinetic Fluorescence Tests for High-Throughput Screening of Electrochemically Active Bacteria. <i>ACS ES&T Water</i> , 2021, 1, 2139-2145.	4.6	4
28	Selective Cleavage of C=O Bond in Diaryl Ether Contaminants via Anodic Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18414-18420.	6.7	3
29	Intracellular Hybrid Biosystem in a Protozoan to Trigger Visible-Light-Driven Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19846-19854.	8.0	3