

Chao Wu

List of Publications by Year in descending order

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papers

642
citations

623734

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docs citations

24
times ranked

808
citing authors

#	ARTICLE	IF	CITATIONS
1	Anaerobic biodecolorization mechanism of methyl orange by <i>Shewanella oneidensis</i> MR-1. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 1769-1776.	3.6	107
2	Oxygen promotes biofilm formation of <i>Shewanella putrefaciens</i> CN32 through a diguanylate cyclase and an adhesin. <i>Scientific Reports</i> , 2013, 3, 1945.	3.3	76
3	Electron acceptor dependence of electron shuttle secretion and extracellular electron transfer by <i>Shewanella oneidensis</i> MR-1. <i>Bioresource Technology</i> , 2013, 136, 711-714.	9.6	66
4	Carbon Nanotubes Alter the Electron Flow Route and Enhance Nitrobenzene Reduction by <i>Shewanella oneidensis</i> MR-1. <i>Environmental Science and Technology Letters</i> , 2014, 1, 128-132.	8.7	51
5	Ionogel infiltrated paper as flexible electrode for wearable all-paper based sensors in active and passive modes. <i>Nano Energy</i> , 2019, 66, 104161.	16.0	38
6	Direct synthesis of bismuth nanosheets on a gas diffusion layer as a high-performance cathode for a coupled electrochemical system capable of electroreduction of CO ₂ to formate with simultaneous degradation of organic pollutants. <i>Electrochimica Acta</i> , 2019, 319, 138-147.	5.2	35
7	Electrodeposition of tin on Nafion-bonded carbon black as an active catalyst layer for efficient electroreduction of CO ₂ to formic acid. <i>Scientific Reports</i> , 2017, 7, 13711.	3.3	29
8	Rapid and scalable synthesis of bismuth dendrites on copper mesh as a high-performance cathode for electroreduction of CO ₂ to formate. <i>Journal of CO₂ Utilization</i> , 2020, 36, 96-104.	6.8	29
9	The biosynthesis of cadmium selenide quantum dots by <i>Rhodotorula mucilaginosa</i> PA-1 for photocatalysis. <i>Biochemical Engineering Journal</i> , 2020, 156, 107497.	3.6	28
10	Reduction pathway and mechanism of chloronitrobenzenes synergistically catalyzed by bioPd and <i>Shewanella oneidensis</i> MR-1 assisted by calculation. <i>Chemosphere</i> , 2017, 187, 62-69.	8.2	22
11	Enhanced electroreduction of CO ₂ and simultaneous degradation of organic pollutants using a Sn-based carbon nanotubes/carbon black hybrid gas diffusion cathode. <i>Journal of CO₂ Utilization</i> , 2018, 26, 425-433.	6.8	22
12	Microbial synthesis of graphene-supported highly dispersed Pd-Ag bimetallic nanoparticles and its catalytic activity. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 3375-3383.	3.2	19
13	Hydrogen production driven by formate oxidation in <i>Shewanella oneidensis</i> MR-1. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 5579-5591.	3.6	16
14	A novel strategy to achieve simultaneous efficient formate production and p-nitrophenol removal in a co-electrolysis system of CO ₂ and p-nitrophenol. <i>Journal of CO₂ Utilization</i> , 2021, 47, 101497.	6.8	16
15	Sn nanoparticles deposited onto a gas diffusion layer via impregnation-electroreduction for enhanced CO ₂ electroreduction to formate. <i>Electrochimica Acta</i> , 2021, 369, 137662.	5.2	15
16	Electron shuttles alter selenite reduction pathway and redistribute formed Se(0) nanoparticles. <i>Process Biochemistry</i> , 2016, 51, 408-413.	3.7	13
17	Estimates of abundance and diversity of <i>Shewanella</i> genus in natural and engineered aqueous environments with newly designed primers. <i>Science of the Total Environment</i> , 2018, 637-638, 926-933.	8.0	13
18	Promotion of Iron Oxide Reduction and Extracellular Electron Transfer in <i>Shewanella oneidensis</i> by DMSO. <i>PLoS ONE</i> , 2013, 8, e78466.	2.5	12

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19	A highly active copper-nanoparticle-based nitrate reduction electrocatalyst prepared by in situ electrodeposition and annealing. <i>Science of the Total Environment</i> , 2022, 827, 154349.	8.0	9
20	Boosting formate production from CO ₂ electroreduction over gas diffusion electrode with accessible carbon mesopores. <i>Electrochimica Acta</i> , 2022, 402, 139526.	5.2	7
21	Interaction between ferrihydrite and nitrate respirations by <i>Shewanella oneidensis</i> MR-1. <i>Process Biochemistry</i> , 2015, 50, 1942-1946.	3.7	6
22	Rapid Isolation of a Facultative Anaerobic Electrochemically Active Bacterium Capable of Oxidizing Acetate for Electrogenesis and Azo Dyes Reduction. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 461-471.	2.9	5
23	Pyruvate Accelerates Palladium Reduction by Regulating Catabolism and the Electron Transfer Pathway in <i>Shewanella oneidensis</i> . <i>Applied and Environmental Microbiology</i> , 2021, 87, .	3.1	5
24	YgfY Contributes to Stress Tolerance in <i>Shewanella oneidensis</i> Neither as an Antitoxin Nor as a Flavinylation Factor of Succinate Dehydrogenase. <i>Microorganisms</i> , 2021, 9, 2316.	3.6	3