

Young Eun Song

List of Publications by Year in descending order

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papers

670
citations

567281

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28
times ranked

701
citing authors

#	ARTICLE	IF	CITATIONS
1	Hexavalent chromium as a cathodic electron acceptor in a bipolar membrane microbial fuel cell with the simultaneous treatment of electroplating wastewater. <i>Chemical Engineering Journal</i> , 2017, 328, 703-707.	12.7	111
2	Overview of electroactive microorganisms and electron transfer mechanisms in microbial electrochemistry. <i>Bioresource Technology</i> , 2022, 347, 126579.	9.6	58
3	Overexpression of cytochrome, CymA in <i>Shewanella oneidensis</i> MR-1 for enhanced bioelectricity generation and cell growth in a microbial fuel cell. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 2115-2122.	3.2	44
4	Glycerol-fed microbial fuel cell with a co-culture of <i>Shewanella oneidensis</i> MR-1 and <i>Klebsiella pneumoniae</i> J2B. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 1397-1403.	3.0	41
5	Electrochemically enhanced microbial CO conversion to volatile fatty acids using neutral red as an electron mediator. <i>Chemosphere</i> , 2018, 191, 166-173.	8.2	41
6	Metal-free cathodic catalyst with nitrogen- and phosphorus-doped ordered mesoporous carbon (NPOMC) for microbial fuel cells. <i>Journal of Power Sources</i> , 2020, 451, 227816.	7.8	39
7	Partially crosslinked comb-shaped PPO-based anion exchange membrane grafted with long alkyl chains: Synthesis, characterization and microbial fuel cell performance. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 27346-27358.	7.1	32
8	Biofilm matrix and artificial mediator for efficient electron transport in CO ₂ microbial electrosynthesis. <i>Chemical Engineering Journal</i> , 2022, 427, 131885.	12.7	31
9	Photoautotrophic hydrogen production of <i>Rhodobacter sphaeroides</i> in a microbial electrosynthesis cell. <i>Bioresource Technology</i> , 2021, 320, 124333.	9.6	29
10	Bioelectrosynthetic Conversion of CO ₂ Using Different Redox Mediators: Electron and Carbon Balances in a Bioelectrochemical System. <i>Energies</i> , 2020, 13, 2572.	3.1	27
11	Maximum Power Point Tracking to Increase the Power Production and Treatment Efficiency of a Continuously Operated Flat-Plate Microbial Fuel Cell. <i>Energy Technology</i> , 2016, 4, 1427-1434.	3.8	24
12	Co-culture-based biological carbon monoxide conversion by <i>Citrobacter amalonaticus</i> Y19 and <i>Sporomusa ovata</i> via a reducing-equivalent transfer mediator. <i>Bioresource Technology</i> , 2018, 259, 128-135.	9.6	23
13	Isolation of Novel CO Converting Microorganism Using Zero Valent Iron for a Bioelectrochemical System (BES). <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 232-239.	2.6	23
14	Recent applications of bioelectrochemical system for useful resource recovery: retrieval of nutrient and metal from wastewater. <i>Geosystem Engineering</i> , 2015, 18, 173-180.	1.4	22
15	Harvest of electrical energy from fermented microalgal residue using a microbial fuel cell. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 2372-2379.	7.1	19
16	Electrode-attached cell-driven biogas upgrading of anaerobic digestion effluent CO ₂ to CH ₄ using a microbial electrosynthesis cell. <i>Chemical Engineering Journal</i> , 2022, 446, 137079.	12.7	16
17	Enabling anoxic acetate assimilation by electrode-driven respiration in the obligate aerobe, <i>Pseudomonas putida</i> . <i>Bioelectrochemistry</i> , 2021, 138, 107690.	4.6	14
18	Biologically activated graphite fiber electrode for autotrophic acetate production from CO ₂ in a bioelectrochemical system. <i>Carbon Letters</i> , 2016, 20, 76-80.	5.9	14

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19	Electricity Production by the Application of a Low Voltage DC-DC Boost Converter to a Continuously Operating Flat-Plate Microbial Fuel Cell. <i>Energies</i> , 2017, 10, 596.	3.1	12
20	Supply of proton enhances CO electrosynthesis for acetate and volatile fatty acid productions. <i>Bioresource Technology</i> , 2021, 320, 124245.	9.6	12
21	Microwave-treated Expandable Graphite Granule for Enhancing the Bioelectricity Generation of Microbial Fuel Cells. <i>Journal of Electrochemical Science and Technology</i> , 2021, 12, 297-301.	2.2	12
22	Increased CODH activity in a bioelectrochemical system improves microbial electrosynthesis with CO. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5952-5957.	4.9	8
23	Zero-valent iron driven bioconversion of glycerol to 1,3-propanediol using <i>Klebsiella pneumoniae</i> L17. <i>Process Biochemistry</i> , 2021, 106, 158-162.	3.7	7
24	Phenolphthalein Anilide Based Poly(Ether Sulfone) Block Copolymers Containing Quaternary Ammonium and Imidazolium Cations: Anion Exchange Membrane Materials for Microbial Fuel Cell. <i>Membranes</i> , 2021, 11, 454.	3.0	4
25	Customized Power Management System Using a Capacitor Array and DC/DC Booster for Flat-Plate Microbial Fuel Cells. <i>Journal of Low Power Electronics</i> , 2017, 13, 60-66.	0.6	3
26	Colorimetric isolation of a novel electrochemically active <i>Pseudomonas</i> strain using tungsten nanorods for bioelectrochemical applications. <i>Bioelectrochemistry</i> , 2022, 146, 108136.	4.6	3
27	Microbial Enrichment and Community Analysis for Bioelectrochemical Acetate Production from Carbon Dioxide. <i>New & Renewable Energy</i> , 2020, 16, 59-67.	0.4	1