

Changman Kim

List of Publications by Year in descending order

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18
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Biofilm matrix and artificial mediator for efficient electron transport in CO ₂ microbial electrosynthesis. <i>Chemical Engineering Journal</i> , 2022, 427, 131885. | 6.6 | 31 |
| 2 | Supply of proton enhances CO electrosynthesis for acetate and volatile fatty acid productions. <i>Bioresource Technology</i> , 2021, 320, 124245. | 4.8 | 12 |
| 3 | 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. | 1.8 | 7 |
| 4 | Bioconversion of Crude Glycerol into 1,3-Propanediol(1,3-PDO) with Bioelectrochemical System and Zero-Valent Iron Using <i>Klebsiella pneumoniae</i> L17. <i>Energies</i> , 2021, 14, 6806. | 1.6 | 6 |
| 5 | Small Current but Highly Productive Synthesis of 1,3-Propanediol from Glycerol by an Electrode-Driven Metabolic Shift in <i>Klebsiella pneumoniae</i> L17. <i>ChemSusChem</i> , 2020, 13, 564-573. | 3.6 | 26 |
| 6 | Metabolic shift of <i>Klebsiella pneumoniae</i> L17 by electrode-based electron transfer using glycerol in a microbial fuel cell. <i>Bioelectrochemistry</i> , 2019, 125, 1-7. | 2.4 | 28 |
| 7 | 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. | 1.4 | 23 |
| 8 | Overexpression of c-type 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. | 1.6 | 44 |
| 9 | Enhancement of bioelectricity generation by microbial fuel cell using Ti nanoparticle-modified carbon electrode. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 1622-1627. | 1.6 | 11 |
| 10 | Recent developments and key barriers to advanced biofuels: A short review. <i>Bioresource Technology</i> , 2018, 257, 320-333. | 4.8 | 247 |
| 11 | Spontaneous and applied potential driven indium recovery on carbon electrode and crystallization using a bioelectrochemical system. <i>Bioresource Technology</i> , 2018, 258, 203-207. | 4.8 | 7 |
| 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. | 4.8 | 23 |
| 13 | Electrochemically enhanced microbial CO conversion to volatile fatty acids using neutral red as an electron mediator. <i>Chemosphere</i> , 2018, 191, 166-173. | 4.2 | 41 |
| 14 | Anodic electro-fermentation of 3-hydroxypropionic acid from glycerol by recombinant <i>Klebsiella pneumoniae</i> L17 in a bioelectrochemical system. <i>Biotechnology for Biofuels</i> , 2017, 10, 199. | 6.2 | 67 |
| 15 | Polymer Film-Based Screening and Isolation of Polylactic Acid (PLA)-Degrading Microorganisms. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 342-349. | 0.9 | 44 |
| 16 | Metabolic flux change in <i>Klebsiella pneumoniae</i> L17 by anaerobic respiration in microbial fuel cell. <i>Biotechnology and Bioprocess Engineering</i> , 2016, 21, 250-260. | 1.4 | 18 |
| 17 | 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. | 1.4 | 41 |
| 18 | Recent applications of bioelectrochemical system for useful resource recovery: retrieval of nutrient and metal from wastewater. <i>Geosystem Engineering</i> , 2015, 18, 173-180. | 0.7 | 22 |