Changman Kim

List of Publications by Year
in descending order

18	698	686830 13	839053 18
papers	citations	h-index	g-index

18	18	18	956
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent developments and key barriers to advanced biofuels: A short review. Bioresource Technology, 2018, 257, 320-333.	4.8	247
2	Anodic electro-fermentation of 3-hydroxypropionic acid from glycerol by recombinant Klebsiella pneumoniae L17 in a bioelectrochemical system. Biotechnology for Biofuels, 2017, 10, 199.	6.2	67
3	Overexpression of câ€type cytochrome, CymA in Shewanella oneidensis MRâ€1 for enhanced bioelectricity generation and cell growth in a microbial fuel cell. Journal of Chemical Technology and Biotechnology, 2019, 94, 2115-2122.	1.6	44
4	Polymer Film-Based Screening and Isolation of Polylactic Acid (PLA)-Degrading Microorganisms. Journal of Microbiology and Biotechnology, 2017, 27, 342-349.	0.9	44
5	Glycerol-fed microbial fuel cell with a co-culture of Shewanella oneidensis MR-1 and Klebsiella pneumonae J2B. Journal of Industrial Microbiology and Biotechnology, 2016, 43, 1397-1403.	1.4	41
6	Electrochemically enhanced microbial CO conversion to volatile fatty acids using neutral red as an electron mediator. Chemosphere, 2018, 191, 166-173.	4.2	41
7	Biofilm matrix and artificial mediator for efficient electron transport in CO2 microbial electrosynthesis. Chemical Engineering Journal, 2022, 427, 131885.	6.6	31
8	Metabolic shift of Klebsiella pneumoniae L17 by electrode-based electron transfer using glycerol in a microbial fuel cell. Bioelectrochemistry, 2019, 125, 1-7.	2.4	28
9	Small Current but Highly Productive Synthesis of 1,3â€Propanediol from Glycerol by an Electrodeâ€Driven Metabolic Shift in Klebsiella pneumoniae L17. ChemSusChem, 2020, 13, 564-573.	3.6	26
10	Co-culture-based biological carbon monoxide conversion by Citrobacter amalonaticus Y19 and Sporomusa ovata via a reducing-equivalent transfer mediator. Bioresource Technology, 2018, 259, 128-135.	4.8	23
11	Isolation of Novel CO Converting Microorganism Using Zero Valent Iron for a Bioelectrochemical System (BES). Biotechnology and Bioprocess Engineering, 2019, 24, 232-239.	1.4	23
12	Recent applications of bioelectrochemical system for useful resource recovery: retrieval of nutrient and metal from wastewater. Geosystem Engineering, 2015, 18, 173-180.	0.7	22
13	Metabolic flux change in Klebsiella pneumoniae L17 by anaerobic respiration in microbial fuel cell. Biotechnology and Bioprocess Engineering, 2016, 21, 250-260.	1.4	18
14	Supply of proton enhances CO electrosynthesis for acetate and volatile fatty acid productions. Bioresource Technology, 2021, 320, 124245.	4.8	12
15	Enhancement of bioelectricity generation byÂaÂ microbial fuel cell using Ti nanoparticleâ€modified carbon electrode. Journal of Chemical Technology and Biotechnology, 2019, 94, 1622-1627.	1.6	11
16	Spontaneous and applied potential driven indium recovery on carbon electrode and crystallization using a bioelectrochemical system. Bioresource Technology, 2018, 258, 203-207.	4.8	7
17	Zero-valent iron driven bioconversion of glycerol to 1,3-propanediol using Klebsiella pneumoniae L17. Process Biochemistry, 2021, 106, 158-162.	1.8	7
18	Bioconversion of Crude Glycerol into 1,3-Propanediol(1,3-PDO) with Bioelectrochemical System and Zero-Valent Iron Using Klebsiella pneumoniae L17. Energies, 2021, 14, 6806.	1.6	6