Bongkyu Kim

List of Publications by Year
in descending order

19	504	623734 14	794594 19
papers	citations	h-index	g-index

19	19	19	512
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent Application of Nanomaterials to Overcome Technological Challenges of Microbial Electrolysis Cells. Nanomaterials, 2022, 12, 1316.	4.1	3
2	Microbial fuel cell driven mineral rich wastewater treatment process for circular economy by creating virtuous cycles. Bioresource Technology, 2021, 320, 124254.	9.6	14
3	Modelling the influence of soil properties on performance and bioremediation ability of a pile of soil microbial fuel cells. Electrochimica Acta, 2021, 368, 137568.	5.2	21
4	Accurate measurement of internal resistance in microbial fuel cells by improved scanning electrochemical impedance spectroscopy. Electrochimica Acta, 2021, 366, 137388.	5.2	35
5	Challenges in scaleâ€up of electrochemical <scp>CO₂</scp> reduction to formate integrated with product extraction using electrodialysis. Journal of Chemical Technology and Biotechnology, 2021, 96, 2461-2471.	3.2	3
6	Controlling Voltage Reversal in Microbial Fuel Cells. Trends in Biotechnology, 2020, 38, 667-678.	9.3	70
7	Tracking of Shewanella oneidensis MR-1 biofilm formation of a microbial electrochemical system via differential pulse voltammetry. Bioresource Technology, 2018, 254, 357-361.	9.6	23
8	Elimination of voltage reversal in multiple membrane electrode assembly installed microbial fuel cells (mMEA-MFCs) stacking system by resistor control. Bioresource Technology, 2018, 262, 338-341.	9.6	26
9	Serially Connectable Sediment Microbial Fuel Cells using Dipole Graphite Solids and Voltage Reversal Suppression. Energy Technology, 2017, 5, 1946-1952.	3.8	6
10	Self-recoverable voltage reversal in stacked microbial fuel cells due to biofilm capacitance. Bioresource Technology, 2017, 245, 1286-1289.	9.6	17
11	Elimination of Power Overshoot at Bioanode through Assistance Current in Microbial Fuel Cells. ChemSusChem, 2017, 10, 612-617.	6.8	34
12	Correlation of Overvoltages and Current Densities to Estimate Optimal Electrode Size for Sediment Microbial Fuel Cells. Energy Technology, 2016, 4, 369-374.	3.8	1
13	Development of anode zone using dual-anode system to reduce organic matter crossover in membraneless microbial fuel cells. Bioresource Technology, 2016, 213, 140-145.	9.6	37
14	Assistance Current Effect for Prevention of Voltage Reversal in Stacked Microbial Fuel Cell Systems. ChemElectroChem, 2015, 2, 755-760.	3.4	33
15	Bioelectronic platforms for optimal bio-anode of bio-electrochemical systems: From nano- to macro scopes. Bioresource Technology, 2015, 195, 2-13.	9.6	33
16	Performance variation according to anode-embedded orientation in a sediment microbial fuel cell employing a chessboard-like hundred-piece anode. Bioresource Technology, 2015, 190, 175-181.	9.6	20
17	Increased Power in Sediment Microbial Fuel Cell: Facilitated Mass Transfer via a Water-Layer Anode Embedded in Sediment. PLoS ONE, 2015, 10, e0145430.	2.5	15
18	New architecture for modulization of membraneless and single-chambered microbial fuel cell using a bipolar plate-electrode assembly (BEA). Biosensors and Bioelectronics, 2014, 59, 28-34.	10.1	37

#	Article	IF	Citations
19	Scalingâ€Up Microbial Fuel Cells: Configuration and Potential Drop Phenomenon at Series Connection of Unit Cells in Shared Anolyte. ChemSusChem, 2012, 5, 1086-1091.	6.8	76