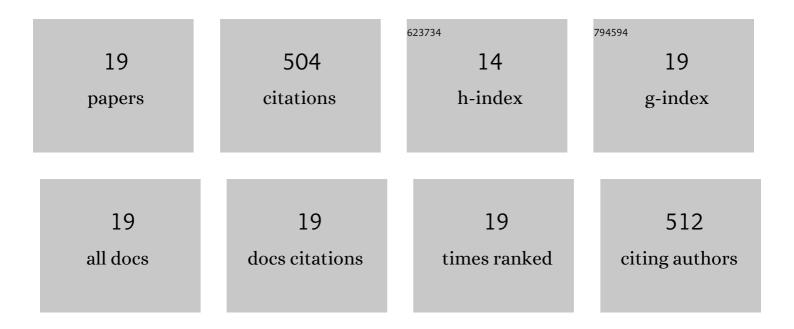
## Bongkyu Kim

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2641821/publications.pdf Version: 2024-02-01



RONCKVII KIM

#	Article	IF	CITATIONS
1	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
2	Controlling Voltage Reversal in Microbial Fuel Cells. Trends in Biotechnology, 2020, 38, 667-678.	9.3	70
3	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
4	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
5	Accurate measurement of internal resistance in microbial fuel cells by improved scanning electrochemical impedance spectroscopy. Electrochimica Acta, 2021, 366, 137388.	5.2	35
6	Elimination of Power Overshoot at Bioanode through Assistance Current in Microbial Fuel Cells. ChemSusChem, 2017, 10, 612-617.	6.8	34
7	Assistance Current Effect for Prevention of Voltage Reversal in Stacked Microbial Fuel Cell Systems. ChemElectroChem, 2015, 2, 755-760.	3.4	33
8	Bioelectronic platforms for optimal bio-anode of bio-electrochemical systems: From nano- to macro scopes. Bioresource Technology, 2015, 195, 2-13.	9.6	33
9	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
10	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
11	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
12	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
13	Self-recoverable voltage reversal in stacked microbial fuel cells due to biofilm capacitance. Bioresource Technology, 2017, 245, 1286-1289.	9.6	17
14	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
15	Microbial fuel cell driven mineral rich wastewater treatment process for circular economy by creating virtuous cycles. Bioresource Technology, 2021, 320, 124254.	9.6	14
16	Serially Connectable Sediment Microbial Fuel Cells using Dipole Graphite Solids and Voltage Reversal Suppression. Energy Technology, 2017, 5, 1946-1952.	3.8	6
17	Challenges in scaleâ€up of electrochemical <scp>CO<sub>2</sub></scp> reduction to formate integrated with product extraction using electrodialysis. Journal of Chemical Technology and Biotechnology, 2021, 96, 2461-2471.	3.2	3
18	Recent Application of Nanomaterials to Overcome Technological Challenges of Microbial Electrolysis Cells. Nanomaterials, 2022, 12, 1316.	4.1	3

#	Article	IF	CITATIONS
19	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