

# Bongkyu Kim

## List of Publications by Year in descending order

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19  
papers

504  
citations

623734

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794594

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19  
all docs

19  
docs citations

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times ranked

512  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalingâ€šUp Microbial Fuel Cells: Configuration and Potential Drop Phenomenon at Series Connection of Unit Cells in Shared Anolyte. <i>ChemSusChem</i> , 2012, 5, 1086-1091.	6.8	76
2	Controlling Voltage Reversal in Microbial Fuel Cells. <i>Trends in Biotechnology</i> , 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). <i>Biosensors and Bioelectronics</i> , 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. <i>Bioresource Technology</i> , 2016, 213, 140-145.	9.6	37
5	Accurate measurement of internal resistance in microbial fuel cells by improved scanning electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , 2021, 366, 137388.	5.2	35
6	Elimination of Power Overshoot at Bioanode through Assistance Current in Microbial Fuel Cells. <i>ChemSusChem</i> , 2017, 10, 612-617.	6.8	34
7	Assistance Current Effect for Prevention of Voltage Reversal in Stacked Microbial Fuel Cell Systems. <i>ChemElectroChem</i> , 2015, 2, 755-760.	3.4	33
8	Bioelectronic platforms for optimal bio-anode of bio-electrochemical systems: From nano- to macro scopes. <i>Bioresource Technology</i> , 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. <i>Bioresource Technology</i> , 2018, 262, 338-341.	9.6	26
10	Tracking of <i>Shewanella oneidensis</i> MR-1 biofilm formation of a microbial electrochemical system via differential pulse voltammetry. <i>Bioresource Technology</i> , 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. <i>Electrochimica Acta</i> , 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. <i>Bioresource Technology</i> , 2015, 190, 175-181.	9.6	20
13	Self-recoverable voltage reversal in stacked microbial fuel cells due to biofilm capacitance. <i>Bioresource Technology</i> , 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. <i>PLoS ONE</i> , 2015, 10, e0145430.	2.5	15
15	Microbial fuel cell driven mineral rich wastewater treatment process for circular economy by creating virtuous cycles. <i>Bioresource Technology</i> , 2021, 320, 124254.	9.6	14
16	Serially Connectable Sediment Microbial Fuel Cells using Dipole Graphite Solids and Voltage Reversal Suppression. <i>Energy Technology</i> , 2017, 5, 1946-1952.	3.8	6
17	Challenges in scaleâ€šup of electrochemical $\text{CO}_2$ reduction to formate integrated with product extraction using electrodialysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 2461-2471.	3.2	3
18	Recent Application of Nanomaterials to Overcome Technological Challenges of Microbial Electrolysis Cells. <i>Nanomaterials</i> , 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