

Dongwon Ki

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

592
citations

840119

11
h-index

1058022

14
g-index

19
all docs

19
docs citations

19
times ranked

863
citing authors

#	ARTICLE	IF	CITATIONS
1	Importance of OH [•] Transport from Cathodes in Microbial Fuel Cells. <i>ChemSusChem</i> , 2012, 5, 1071-1079.	3.6	133
2	Reduced overpotentials in microbial electrolysis cells through improved design, operation, and electrochemical characterization. <i>Chemical Engineering Journal</i> , 2016, 287, 181-188.	6.6	80
3	Intimate coupling of an N-doped TiO ₂ photocatalyst and anode respiring bacteria for enhancing 4-chlorophenol degradation and current generation. <i>Chemical Engineering Journal</i> , 2017, 317, 882-889.	6.6	77
4	Sustainable Lactic Acid Production from Lignocellulosic Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1341-1351.	3.2	72
5	Effects of pre-fermentation and pulsed-electric-field treatment of primary sludge in microbial electrochemical cells. <i>Bioresource Technology</i> , 2015, 195, 83-88.	4.8	46
6	H ₂ O ₂ Production in Microbial Electrochemical Cells Fed with Primary Sludge. <i>Environmental Science & Technology</i> , 2017, 51, 6139-6145.	4.6	44
7	Bacterial biofilm-community selection during autohydrogenotrophic reduction of nitrate and perchlorate in ion-exchange brine. <i>Applied Microbiology and Biotechnology</i> , 2009, 81, 1169-1177.	1.7	41
8	Buffer p <i>K_a</i> and Transport Govern the Concentration Overpotential in Electrochemical Oxygen Reduction at Neutral pH. <i>ChemElectroChem</i> , 2014, 1, 1909-1915.	1.7	32
9	Effect of Pulsed Electric Field Pretreatment on Primary Sludge for Enhanced Bioavailability and Energy Capture. <i>Environmental Engineering Science</i> , 2015, 32, 831-837.	0.8	16
10	Using decision tree to develop a soil ecological quality assessment system for planning sustainable construction. <i>Expert Systems With Applications</i> , 2011, 38, 5463-5470.	4.4	14
11	Maximizing Coulombic recovery and solids reduction from primary sludge by controlling retention time and pH in a flat-plate microbial electrolysis cell. <i>Environmental Science: Water Research and Technology</i> , 2017, 3, 333-339.	1.2	13
12	Decision-Tree-based data mining and rule induction for predicting and mapping soil bacterial diversity. <i>Environmental Monitoring and Assessment</i> , 2011, 178, 595-610.	1.3	12
13	High-rate stabilization of primary sludge in a single-chamber microbial hydrogen peroxide producing cell. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1124-1131.	1.2	7
14	Bathroom wastewater treatment in constructed wetlands with planting, non-planting and aeration, non-aeration conditions. <i>Desalination and Water Treatment</i> , 2016, 57, 709-717.	1.0	5
15	Application to Traditional Ceramic Materials using Incinerated Sewage Sludge Ash. <i>Journal of Korea Society of Waste Management</i> , 2021, 38, 246-256.	0.1	0
16	Microbial electrochemical cells as an alternative to biochemical methane potential tests for analyzing batch anaerobic digestion kinetics. <i>Proceedings of the Water Environment Federation</i> , 2018, 2018, 757-765.	0.0	0
17	Improved characterization of anaerobic digestion kinetics of mixed sludges with and without thermally pretreated WAS.. <i>Proceedings of the Water Environment Federation</i> , 2018, 2018, 775-781.	0.0	0
18	Primary sludge to valuable chemicals, hydrogen peroxide (H ₂ O ₂), in microbial electrochemical cells - H ₂ O ₂ production and in-situ sludge treatment. <i>Proceedings of the Water Environment Federation</i> , 2018, 2018, 482-495.	0.0	0

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19	Developing Analytical Standard Operating Procedure to Expand the Use of Combustible Waste as an Alternative Fuel for Cement Kilns. Journal of Korea Society of Waste Management, 2021, 38, 412-425.	0.1	0