

Dongwon Ki

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8606720/publications.pdf>

Version: 2024-02-01

19
papers

592
citations

840776
11
h-index

1058476
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. ChemSusChem, 2012, 5, 1071-1079.	6.8	133
2	Reduced overpotentials in microbial electrolysis cells through improved design, operation, and electrochemical characterization. Chemical Engineering Journal, 2016, 287, 181-188.	12.7	80
3	Intimate coupling of an N-doped TiO ₂ photocatalyst and anode respiring bacteria for enhancing 4-chlorophenol degradation and current generation. Chemical Engineering Journal, 2017, 317, 882-889.	12.7	77
4	Sustainable Lactic Acid Production from Lignocellulosic Biomass. ACS Sustainable Chemistry and Engineering, 2021, 9, 1341-1351.	6.7	72
5	Effects of pre-fermentation and pulsed-electric-field treatment of primary sludge in microbial electrochemical cells. Bioresource Technology, 2015, 195, 83-88.	9.6	46
6	H ₂ O ₂ Production in Microbial Electrochemical Cells Fed with Primary Sludge. Environmental Science & Technology, 2017, 51, 6139-6145.	10.0	44
7	Bacterial biofilm-community selection during autohydrogenotrophic reduction of nitrate and perchlorate in ion-exchange brine. Applied Microbiology and Biotechnology, 2009, 81, 1169-1177.	3.6	41
8	Buffer p <i>K_a</i> and Transport Govern the Concentration Overpotential in Electrochemical Oxygen Reduction at Neutral pH. ChemElectroChem, 2014, 1, 1909-1915.	3.4	32
9	Effect of Pulsed Electric Field Pretreatment on Primary Sludge for Enhanced Bioavailability and Energy Capture. Environmental Engineering Science, 2015, 32, 831-837.	1.6	16
10	Using decision tree to develop a soil ecological quality assessment system for planning sustainable construction. Expert Systems With Applications, 2011, 38, 5463-5470.	7.6	14
11	Maximizing Coulombic recovery and solids reduction from primary sludge by controlling retention time and pH in a flat-plate microbial electrolysis cell. Environmental Science: Water Research and Technology, 2017, 3, 333-339.	2.4	13
12	Decision-Tree-based data mining and rule induction for predicting and mapping soil bacterial diversity. Environmental Monitoring and Assessment, 2011, 178, 595-610.	2.7	12
13	High-rate stabilization of primary sludge in a single-chamber microbial hydrogen peroxide producing cell. Environmental Science: Water Research and Technology, 2019, 5, 1124-1131.	2.4	7
14	Bathroom wastewater treatment in constructed wetlands with planting, non-planting and aeration, non-aeration conditions. Desalination and Water Treatment, 2016, 57, 709-717.	1.0	5
15	Application to Traditional Ceramic Materials using Incinerated Sewage Sludge Ash. Journal of Korea Society of Waste Management, 2021, 38, 246-256.	0.2	0
16	Microbial electrochemical cells as an alternative to biochemical methane potential tests for analyzing batch anaerobic digestion kinetics. Proceedings of the Water Environment Federation, 2018, 2018, 757-765.	0.0	0
17	Improved characterization of anaerobic digestion kinetics of mixed sludges with and without thermally pretreated WAS.. Proceedings of the Water Environment Federation, 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. Proceedings of the Water Environment Federation, 2018, 2018, 482-495.	0.0	0

#	ARTICLE	IF	CITATIONS
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.	0.2	0