Taeho Lee

List of Publications by Year
in descending order

36	897	394421 19	477307 29
papers	citations	h-index	g-index

36	36	36	948
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nano zero-valent iron improves anammox activity by promoting the activity of quorum sensing system. Water Research, 2021, 202, 117491.	11.3	123
2	Autotrophic denitrification performance and bacterial community at biocathodes of bioelectrochemical systems with either abiotic or biotic anodes. Journal of Bioscience and Bioengineering, 2015, 119, 180-187.	2.2	83
3	Response of microbial community structure to pre-acclimation strategies in microbial fuel cells for domestic wastewater treatment. Bioresource Technology, 2017, 233, 176-183.	9.6	54
4	Microbial oxidation of antimonite and arsenite by bacteria isolated from antimony-contaminated soils. International Journal of Hydrogen Energy, 2017, 42, 27832-27842.	7.1	45
5	Effect of the cathode potential and sulfate ions on nitrate reduction in a microbial electrochemical denitrification system. Journal of Industrial Microbiology and Biotechnology, 2016, 43, 783-793.	3.0	43
6	Microbial selenite reduction with organic carbon and electrode as sole electron donor by a bacterium isolated from domestic wastewater. Bioresource Technology, 2016, 212, 182-189.	9.6	40
7	Electricity generation and microbial community in microbial fuel cell using low-pH distillery wastewater at different external resistances. Journal of Biotechnology, 2014, 186, 175-180.	3.8	37
8	Understanding complete ammonium removal mechanism in single-chamber microbial fuel cells based on microbial ecology. Science of the Total Environment, 2021, 764, 144231.	8.0	33
9	Bacterial community structure in maximum volatile fatty acids production from alginate in acidogenesis. Bioresource Technology, 2014, 157, 22-27.	9.6	32
10	Bioelectrochemical denitrification on biocathode buried in simulated aquifer saturated with nitrate-contaminated groundwater. Environmental Science and Pollution Research, 2016, 23, 15443-15451.	5.3	32
11	A twilight for the complete nitrogen removal via synergistic partial-denitrification, anammox, and DNRA process. Npj Clean Water, 2021, 4, .	8.0	26
12	Effects of anode spacing and flow rate on energy recovery of flat-panel air-cathode microbial fuel cells using domestic wastewater. Bioresource Technology, 2018, 258, 57-63.	9.6	25
13	Characterization of diversified Sb(V)-reducing bacterial communities by various organic or inorganic electron donors. Bioresource Technology, 2018, 250, 239-246.	9.6	25
14	Maximum Power Point Tracking to Increase the Power Production and Treatment Efficiency of a Continuously Operated Flatâ€Plate Microbial Fuel Cell. Energy Technology, 2016, 4, 1427-1434.	3.8	24
15	Simultaneous arsenite oxidation and nitrate reduction at the electrodes of bioelectrochemical systems. Environmental Science and Pollution Research, 2016, 23, 19978-19988.	5.3	24
16	Paramylon production from heterotrophic cultivation of Euglena gracilis in two different industrial byproducts: Corn steep liquor and brewer's spent grain. Algal Research, 2020, 47, 101826.	4.6	24
17	Microbial arsenite oxidation with oxygen, nitrate, or an electrode as the sole electron acceptor. Journal of Industrial Microbiology and Biotechnology, 2017, 44, 857-868.	3.0	23
18	Microbial antimonate reduction with a solid-state electrode as the sole electron donor: A novel approach for antimony bioremediation. Journal of Hazardous Materials, 2019, 377, 179-185.	12.4	20

#	Article	IF	Citations
19	Blending water- and nutrient-source wastewaters for cost-effective cultivation of high lipid content microalgal species Micractinium inermum NLP-F014. Bioresource Technology, 2015, 198, 388-394.	9.6	19
20	PCE dechlorination by non-Dehalococcoides in a microbial electrochemical system. Journal of Industrial Microbiology and Biotechnology, 2016, 43, 1095-1103.	3.0	15
21	Comparison of batch cultivation strategies for cost-effective biomass production of Micractinium inermum NLP-F014 using a blended wastewater medium. Bioresource Technology, 2017, 234, 432-438.	9.6	15
22	Effect of gradual transition of substrate on performance of flat-panel air-cathode microbial fuel cells to treat domestic wastewater. Bioresource Technology, 2017, 226, 158-163.	9.6	15
23	Insight into impact of sewage discharge on microbial dynamics and pathogenicity in river ecosystem. Scientific Reports, 2022, 12, 6894.	3.3	15
24	Characterization of microbial community and kinetics for spent sulfidic caustic applied autotrophic denitrification. Biotechnology and Bioprocess Engineering, 2008, 13, 96-101.	2.6	13
25	Electricity Production by the Application of a Low Voltage DC-DC Boost Converter to a Continuously Operating Flat-Plate Microbial Fuel Cell. Energies, 2017, 10, 596.	3.1	12
26	Comparison of Trophic Modes to Maximize Biomass and Lipid Productivity of Micractinium inermum NLP-F014. Biotechnology and Bioprocess Engineering, 2018, 23, 238-245.	2.6	12
27	Enhancement of Growth and Paramylon Production of Euglena gracilis by Upcycling of Spent Tomato Byproduct as an Alternative Medium. Applied Sciences (Switzerland), 2021, 11, 8182.	2.5	12
28	Differences in the Effects of Calcium and Magnesium Ions on the Anammox Granular Properties to Alleviate Salinity Stress. Applied Sciences (Switzerland), 2022, 12, 19.	2.5	11
29	Nitrogen removal and microbial community diversity in single-chamber electroactive biofilm reactors with different ratios of the cathode surface area to reactor volume. Science of the Total Environment, 2021, 758, 143677.	8.0	10
30	Improved insights into the adaptation and selection of Nitrosomonas spp. for partial nitritation under saline conditions based on specific oxygen uptake rates and next generation sequencing. Science of the Total Environment, 2022, 822, 153644.	8.0	10
31	Investigation of dissimilatory nitrate reduction to ammonium (DNRA) in urban river network along the Huangpu River, China: rates, abundances, and microbial communities. Environmental Science and Pollution Research, 2022, 29, 23823-23833.	5.3	7
32	Microalgal transformation of food processing byproducts into functional food ingredients. Bioresource Technology, 2022, 344, 126324.	9.6	6
33	Isolation and Characterization of Euglena gracilis-Associated Bacteria, Enterobacter sp. CA3 and Emticicia sp. CN5, Capable of Promoting the Growth and Paramylon Production of E. gracilis under Mixotrophic Cultivation. Microorganisms, 2021, 9, 1496.	3.6	4
34	Autotrophic denitrification and inhibitory effect caused by the injection of spent sulfidic caustic in a modified Ludzack-Ettinger process. Biotechnology and Bioprocess Engineering, 2008, 13, 697-704.	2.6	3
35	Identification of dominant microbial community in aerophilic biofilm reactors by fluorescence in situ hybridization and PCR-denaturing gradient gel electrophoresis. Korean Journal of Chemical Engineering, 2009, 26, 685-690.	2.7	3
36	A Simple Analysis Method of Specific Anammox Activity Using a Respirometer. Applied Sciences (Switzerland), 2022, 12, 1121.	2.5	2