

# Taeho Lee

## List of Publications by Year in descending order

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36  
papers

897  
citations

394421

19  
h-index

477307

29  
g-index

36  
all docs

36  
docs citations

36  
times ranked

948  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microalgal transformation of food processing byproducts into functional food ingredients. <i>Bioresource Technology</i> , 2022, 344, 126324.	9.6	6
2	Investigation of dissimilatory nitrate reduction to ammonium (DNRA) in urban river network along the Huangpu River, China: rates, abundances, and microbial communities. <i>Environmental Science and Pollution Research</i> , 2022, 29, 23823-23833.	5.3	7
3	A Simple Analysis Method of Specific Anammox Activity Using a Respirometer. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1121.	2.5	2
4	Improved insights into the adaptation and selection of <i>Nitrosomonas</i> spp. for partial nitrification under saline conditions based on specific oxygen uptake rates and next generation sequencing. <i>Science of the Total Environment</i> , 2022, 822, 153644.	8.0	10
5	Differences in the Effects of Calcium and Magnesium Ions on the Anammox Granular Properties to Alleviate Salinity Stress. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 19.	2.5	11
6	Insight into impact of sewage discharge on microbial dynamics and pathogenicity in river ecosystem. <i>Scientific Reports</i> , 2022, 12, 6894.	3.3	15
7	Nitrogen removal and microbial community diversity in single-chamber electroactive biofilm reactors with different ratios of the cathode surface area to reactor volume. <i>Science of the Total Environment</i> , 2021, 758, 143677.	8.0	10
8	Understanding complete ammonium removal mechanism in single-chamber microbial fuel cells based on microbial ecology. <i>Science of the Total Environment</i> , 2021, 764, 144231.	8.0	33
9	A twilight for the complete nitrogen removal via synergistic partial-denitrification, anammox, and DNRA process. <i>Npj Clean Water</i> , 2021, 4, .	8.0	26
10	Isolation and Characterization of <i>Euglena gracilis</i> -Associated Bacteria, <i>Enterobacter</i> sp. CA3 and <i>Emticicia</i> sp. CN5, Capable of Promoting the Growth and Paramylon Production of <i>E. gracilis</i> under Mixotrophic Cultivation. <i>Microorganisms</i> , 2021, 9, 1496.	3.6	4
11	Nano zero-valent iron improves anammox activity by promoting the activity of quorum sensing system. <i>Water Research</i> , 2021, 202, 117491.	11.3	123
12	Enhancement of Growth and Paramylon Production of <i>Euglena gracilis</i> by Upcycling of Spent Tomato Byproduct as an Alternative Medium. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8182.	2.5	12
13	Paramylon production from heterotrophic cultivation of <i>Euglena gracilis</i> in two different industrial byproducts: Corn steep liquor and brewer's spent grain. <i>Algal Research</i> , 2020, 47, 101826.	4.6	24
14	Microbial antimonate reduction with a solid-state electrode as the sole electron donor: A novel approach for antimony bioremediation. <i>Journal of Hazardous Materials</i> , 2019, 377, 179-185.	12.4	20
15	Effects of anode spacing and flow rate on energy recovery of flat-panel air-cathode microbial fuel cells using domestic wastewater. <i>Bioresource Technology</i> , 2018, 258, 57-63.	9.6	25
16	Characterization of diversified Sb(V)-reducing bacterial communities by various organic or inorganic electron donors. <i>Bioresource Technology</i> , 2018, 250, 239-246.	9.6	25
17	Comparison of Trophic Modes to Maximize Biomass and Lipid Productivity of <i>Micractinium inermum</i> NLP-F014. <i>Biotechnology and Bioprocess Engineering</i> , 2018, 23, 238-245.	2.6	12
18	Microbial arsenite oxidation with oxygen, nitrate, or an electrode as the sole electron acceptor. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 857-868.	3.0	23

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19	Response of microbial community structure to pre-acclimation strategies in microbial fuel cells for domestic wastewater treatment. <i>Bioresource Technology</i> , 2017, 233, 176-183.	9.6	54
20	Comparison of batch cultivation strategies for cost-effective biomass production of <i>Micractinium inermum</i> NLP-F014 using a blended wastewater medium. <i>Bioresource Technology</i> , 2017, 234, 432-438.	9.6	15
21	Effect of gradual transition of substrate on performance of flat-panel air-cathode microbial fuel cells to treat domestic wastewater. <i>Bioresource Technology</i> , 2017, 226, 158-163.	9.6	15
22	Microbial oxidation of antimonite and arsenite by bacteria isolated from antimony-contaminated soils. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 27832-27842.	7.1	45
23	Electricity Production by the Application of a Low Voltage DC-DC Boost Converter to a Continuously Operating Flat-Plate Microbial Fuel Cell. <i>Energies</i> , 2017, 10, 596.	3.1	12
24	Effect of the cathode potential and sulfate ions on nitrate reduction in a microbial electrochemical denitrification system. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 783-793.	3.0	43
25	Bioelectrochemical denitrification on biocathode buried in simulated aquifer saturated with nitrate-contaminated groundwater. <i>Environmental Science and Pollution Research</i> , 2016, 23, 15443-15451.	5.3	32
26	Maximum Power Point Tracking to Increase the Power Production and Treatment Efficiency of a Continuously Operated Flat-Plate Microbial Fuel Cell. <i>Energy Technology</i> , 2016, 4, 1427-1434.	3.8	24
27	Simultaneous arsenite oxidation and nitrate reduction at the electrodes of bioelectrochemical systems. <i>Environmental Science and Pollution Research</i> , 2016, 23, 19978-19988.	5.3	24
28	PCE dechlorination by non- <i>Dehalococcoides</i> in a microbial electrochemical system. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 1095-1103.	3.0	15
29	Microbial selenite reduction with organic carbon and electrode as sole electron donor by a bacterium isolated from domestic wastewater. <i>Bioresource Technology</i> , 2016, 212, 182-189.	9.6	40
30	Autotrophic denitrification performance and bacterial community at biocathodes of bioelectrochemical systems with either abiotic or biotic anodes. <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 180-187.	2.2	83
31	Blending water- and nutrient-source wastewaters for cost-effective cultivation of high lipid content microalgal species <i>Micractinium inermum</i> NLP-F014. <i>Bioresource Technology</i> , 2015, 198, 388-394.	9.6	19
32	Bacterial community structure in maximum volatile fatty acids production from alginate in acidogenesis. <i>Bioresource Technology</i> , 2014, 157, 22-27.	9.6	32
33	Electricity generation and microbial community in microbial fuel cell using low-pH distillery wastewater at different external resistances. <i>Journal of Biotechnology</i> , 2014, 186, 175-180.	3.8	37
34	Identification of dominant microbial community in aerophilic biofilm reactors by fluorescence in situ hybridization and PCR-denaturing gradient gel electrophoresis. <i>Korean Journal of Chemical Engineering</i> , 2009, 26, 685-690.	2.7	3
35	Characterization of microbial community and kinetics for spent sulfidic caustic applied autotrophic denitrification. <i>Biotechnology and Bioprocess Engineering</i> , 2008, 13, 96-101.	2.6	13
36	Autotrophic denitrification and inhibitory effect caused by the injection of spent sulfidic caustic in a modified Ludzack-Ettinger process. <i>Biotechnology and Bioprocess Engineering</i> , 2008, 13, 697-704.	2.6	3