

Yeo-Myeong Yun

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,461
citations

279798

23
h-index

330143

37
g-index

52
all docs

52
docs citations

52
times ranked

1878
citing authors

#	ARTICLE	IF	CITATIONS
1	Biohydrogen production from food waste: Current status, limitations, and future perspectives. <i>Bioresource Technology</i> , 2018, 248, 79-87.	9.6	134
2	More value from food waste: Lactic acid and biogas recovery. <i>Water Research</i> , 2016, 96, 208-216.	11.3	120
3	Microbial community analysis of anaerobic granules in phenol-degrading UASB by next generation sequencing. <i>Biochemical Engineering Journal</i> , 2016, 112, 241-248.	3.6	73
4	Effect of acid-pretreatment on hydrogen fermentation of food waste: Microbial community analysis by next generation sequencing. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 16302-16309.	7.1	67
5	Effect of operation temperature on anaerobic digestion of food waste: Performance and microbial analysis. <i>Fuel</i> , 2017, 209, 598-605.	6.4	65
6	Hydrogen fermentation of food waste by alkali-shock pretreatment: Microbial community analysis and limitation of continuous operation. <i>Bioresource Technology</i> , 2015, 186, 215-222.	9.6	61
7	Effect of the accuracy of pH control on hydrogen fermentation. <i>Bioresource Technology</i> , 2015, 179, 595-601.	9.6	58
8	Effect of feeding mode and dilution on the performance and microbial community population in anaerobic digestion of food waste. <i>Bioresource Technology</i> , 2018, 248, 134-140.	9.6	51
9	Microalgal biomass as a feedstock for bio-hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 15533-15539.	7.1	50
10	Optimization of dark fermentative H ₂ production from microalgal biomass by combined (acid+ultrasonic) pretreatment. <i>Bioresource Technology</i> , 2013, 141, 220-226.	9.6	46
11	<i>Scenedesmus</i> -based treatment of nitrogen and phosphorus from effluent of anaerobic digester and bio-oil production. <i>Bioresource Technology</i> , 2015, 196, 235-240.	9.6	38
12	Application of a novel enzymatic pretreatment using crude hydrolytic extracellular enzyme solution to microalgal biomass for dark fermentative hydrogen production. <i>Bioresource Technology</i> , 2014, 159, 365-372.	9.6	37
13	Enhanced hydrogen fermentation by zero valent iron addition. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 3387-3394.	7.1	36
14	Effects of pig slurry acidification on methane emissions during storage and subsequent biogas production. <i>Water Research</i> , 2019, 152, 234-240.	11.3	36
15	Enhanced anaerobic digestion of glycerol by promoting DIET reaction. <i>Biochemical Engineering Journal</i> , 2019, 142, 18-26.	3.6	34
16	Comprehensive analysis of the microbial communities and operational parameters of two full-scale anaerobic digestion plants treating food waste in South Korea: Seasonal variation and effect of ammonia. <i>Journal of Hazardous Materials</i> , 2020, 398, 122975.	12.4	34
17	Enrichment of hydrogenotrophic methanogens by means of gas recycle and its application in biogas upgrading. <i>Energy</i> , 2017, 135, 294-302.	8.8	33
18	Inhibitory effect of chloroform on fermentative hydrogen and methane production from lipid-extracted microalgae. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 19256-19261.	7.1	31

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19	Effect of storage time and temperature on hydrogen fermentation of food waste. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 3769-3775.	7.1	31
20	Domestic wastewater treatment in a tubular microbial electrolysis cell with a membrane electrode assembly. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 652-660.	7.1	26
21	Rapid formation of hydrogen-producing granules in an up-flow anaerobic sludge blanket reactor coupled with high-rate recirculation. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 9097-9103.	7.1	25
22	Effect of hydraulic retention time on lactic acid production and granulation in an up-flow anaerobic sludge blanket reactor. <i>Bioresource Technology</i> , 2014, 165, 158-161.	9.6	25
23	Pretreatment of cheese whey for hydrogen production using a simple hydrodynamic cavitation system under alkaline condition. <i>Fuel</i> , 2015, 150, 202-207.	6.4	25
24	Microbial granulation for lactic acid production. <i>Biotechnology and Bioengineering</i> , 2016, 113, 101-111.	3.3	25
25	Producing desulfurized biogas through removal of sulfate in the first stage of a two-stage anaerobic digestion. <i>Biotechnology and Bioengineering</i> , 2017, 114, 970-979.	3.3	25
26	Cultivation of four microalgae species in the effluent of anaerobic digester for biodiesel production. <i>Bioresource Technology</i> , 2017, 224, 738-742.	9.6	25
27	Mitigation of ammonia inhibition by internal dilution in high-rate anaerobic digestion of food waste leachate and evidences of microbial community response. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1892-1901.	3.3	23
28	Development of a novel electric field-assisted modified hydrodynamic cavitation system for disintegration of waste activated sludge. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1635-1640.	8.2	22
29	Enhanced anaerobic digestion of livestock waste by ultrasonication: A tool for ammonia removal and solubilization. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 619-623.	2.7	16
30	Elucidating a synergistic effect of food waste addition on the enhanced anaerobic digestion of waste activated sludge. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 1542-1546.	2.7	16
31	Two-stage co-fermentation of lipid-extracted microalgae waste with food waste leachate: A viable way to reduce the inhibitory effect of leftover organic solvent and recover additional energy. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 21721-21727.	7.1	15
32	Inhibition of residual n-hexane in anaerobic digestion of lipid-extracted microalgal wastes and microbial community shift. <i>Environmental Science and Pollution Research</i> , 2016, 23, 7138-7145.	5.3	15
33	Preparation of alumina-zirconia (Al-Zr) ceramic nanofiltration (NF) membrane for the removal of uranium in aquatic system. <i>Water Science and Technology: Water Supply</i> , 2019, 19, 789-795.	2.1	14
34	Preparation of Highly Porous PAN-LATP Membranes as Separators for Lithium Ion Batteries. <i>Nanomaterials</i> , 2019, 9, 1581.	4.1	13
35	Sulfate reducing bacteria-based wastewater treatment system integrated with sulfide fuel cell for simultaneous wastewater treatment and electricity generation. <i>Chemosphere</i> , 2019, 233, 570-578.	8.2	13
36	Microbiome of Seven Full-Scale Anaerobic Digestion Plants in South Korea: Effect of Feedstock and Operational Parameters. <i>Energies</i> , 2021, 14, 665.	3.1	12

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37	Low-strength ultrasonication positively affects methanogenic granules toward higher AD performance: Hydrolytic enzyme excretions. <i>Ultrasonics Sonochemistry</i> , 2017, 36, 168-172.	8.2	11
38	Assessment of the relationship between solubilization and biogas production on anaerobic digestion of pretreated lipid-extracted microalgae waste. <i>Biomass and Bioenergy</i> , 2020, 141, 105702.	5.7	9
39	High-calorific bio-hydrogen production under self-generated high-pressure condition. <i>Bioresource Technology</i> , 2018, 264, 174-179.	9.6	8
40	Comprehensive analysis of microbial dynamics linked with the reduction of odorous compounds in a full-scale swine manure pit recharge system with recirculation of aerobically treated liquid fertilizer. <i>Science of the Total Environment</i> , 2021, 777, 146122.	8.0	8
41	Feasibility study of SCFAs production from microalgae during hydrogen fermentation. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 4439-4445.	7.1	7
42	Increased biodegradability of low-grade coal wastewater in anaerobic membrane bioreactor by adding yeast wastes. <i>Journal of Environmental Management</i> , 2019, 234, 36-43.	7.8	7
43	Stimulation of Biomethane Productivity in Anaerobic Digestion Using Electro-Conductive Carbon-Nanotube Hollow-Fiber Media. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 179.	2.0	7
44	Mill Scale Addition to Reduce Hydrogen Sulfide Production in Anaerobic Digestion. <i>Energies</i> , 2021, 14, 6542.	3.1	7
45	Changes in microbial community associated with dechlorination of leftover chloroform in two-stage anaerobic Co-fermentation (H ₂ +CH ₄) of lipid-extracted microalgae waste with food waste leachate. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 2266-2273.	7.1	6
46	Starvation pretreatment enhances sulfidogenic operation of two-stage anaerobic digestion system for biogas production with low H ₂ S content. <i>Journal of Cleaner Production</i> , 2021, 290, 125166.	9.3	6
47	Selective removal of color substances by carbon-based adsorbents in livestock wastewater effluents. <i>Environmental Geochemistry and Health</i> , 2020, 42, 1643-1653.	3.4	5
48	Statistical optimization of mixture ratio and particle size for dry co-digestion of food waste and manure by response surface methodology. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1493-1496.	2.7	3
49	Enhanced Bio-hydrogen Production from Pretreated Microalgal Waste. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2019, 41, 494-500.	1.1	3
50	Comparison of Relationship between Solubilization and Methane Productivity on Anaerobic Digestion of Pre-treated Waste Activated Sludge. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2022, 44, 33-40.	1.1	2
51	Influence of Performance and Microbial Community by Internal pH Control on Anaerobic Digestion of Food Waste Leachate. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2013, 35, 571-578.	1.1	1
52	Feasibility of Using Electrodes with Ultralow Pt Loading in Two-Chamber Microbial Electrolysis Cells. <i>Energies</i> , 2021, 14, 7752.	3.1	1