Yeo-Myeong Yun

List of Publications by Year
in descending order

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	Comparison of Relationship between Solubilization and Methane Productivity on Anaerobic Digestion of Pre-treated Waste Activated Sludge. Daehan Hwan'gyeong Gonghag Hoeji, 2022, 44, 33-40.	1.1	2
2	Starvation pretreatment enhances sulfidogenic operation of two-stage anaerobic digestion system for biogas production with low H2S content. Journal of Cleaner Production, 2021, 290, 125166.	9.3	6
3	Microbiome of Seven Full-Scale Anaerobic Digestion Plants in South Korea: Effect of Feedstock and Operational Parameters. Energies, 2021, 14, 665.	3.1	12
4	Stimulation of Biomethane Productivity in Anaerobic Digestion Using Electro-Conductive Carbon-Nanotube Hollow-Fiber Media. Minerals (Basel, Switzerland), 2021, 11, 179.	2.0	7
5	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. Science of the Total Environment, 2021, 777, 146122.	8.0	8
6	Mill Scale Addition to Reduce Hydrogen Sulfide Production in Anaerobic Digestion. Energies, 2021, 14, 6542.	3.1	7
7	Feasibility of Using Electrodes with Ultralow Pt Loading in Two-Chamber Microbial Electrolysis Cells. Energies, 2021, 14, 7752.	3.1	1
8	Effect of storage time and temperature on hydrogen fermentation of food waste. International Journal of Hydrogen Energy, 2020, 45, 3769-3775.	7.1	31
9	Assessment of the relationship between solubilization and biogas production on anaerobic digestion of pretreated lipid-extracted microalgae waste. Biomass and Bioenergy, 2020, 141, 105702.	5.7	9
10	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. Journal of Hazardous Materials, 2020, 398, 122975.	12.4	34
11	Selective removal of color substances by carbon-based adsorbents in livestock wastewater effluents. Environmental Geochemistry and Health, 2020, 42, 1643-1653.	3.4	5
12	Preparation of alumina-zirconia (Al-Zr) ceramic nanofiltration (NF) membrane for the removal of uranium in aquatic system. Water Science and Technology: Water Supply, 2019, 19, 789-795.	2.1	14
13	Enhanced hydrogen fermentation by zero valent iron addition. International Journal of Hydrogen Energy, 2019, 44, 3387-3394.	7.1	36
14	Preparation of Highly Porous PAN-LATP Membranes as Separators for Lithium Ion Batteries. Nanomaterials, 2019, 9, 1581.	4.1	13
15	Sulfate reducing bacteria-based wastewater treatment system integrated with sulfide fuel cell for simultaneous wastewater treatment and electricity generation. Chemosphere, 2019, 233, 570-578.	8.2	13
16	Changes in microbial community associated with dechlorination of leftover chloroform in two-stage anaerobic Co-fermentation (H2+CH4) of lipid-extracted microalgae waste with food waste leachate. International Journal of Hydrogen Energy, 2019, 44, 2266-2273.	7.1	6
17	Increased biodegradability of low-grade coal wastewater in anaerobic membrane bioreactor by adding yeast wastes. Journal of Environmental Management, 2019, 234, 36-43.	7.8	7
18	Enhanced anaerobic digestion of glycerol by promoting DIET reaction. Biochemical Engineering Journal, 2019, 142, 18-26.	3.6	34

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19	Effects of pig slurry acidification on methane emissions during storage and subsequent biogas production. Water Research, 2019, 152, 234-240.	11.3	36
20	Domestic wastewater treatment in a tubular microbial electrolysis cell with a membrane electrode assembly. International Journal of Hydrogen Energy, 2019, 44, 652-660.	7.1	26
21	Enhanced Bio-hydrogen Production from Pretreated Microalgal Waste. Daehan Hwan'gyeong Gonghag Hoeji, 2019, 41, 494-500.	1.1	3
22	Biohydrogen production from food waste: Current status, limitations, and future perspectives. Bioresource Technology, 2018, 248, 79-87.	9.6	134
23	Effect of feeding mode and dilution on the performance and microbial community population in anaerobic digestion of food waste. Bioresource Technology, 2018, 248, 134-140.	9.6	51
24	High-calorific bio-hydrogen production under self-generated high-pressure condition. Bioresource Technology, 2018, 264, 174-179.	9.6	8
25	Producing desulfurized biogas through removal of sulfate in the firstâ€stage of a twoâ€stage anaerobic digestion. Biotechnology and Bioengineering, 2017, 114, 970-979.	3.3	25
26	Effect of operation temperature on anaerobic digestion of food waste: Performance and microbial analysis. Fuel, 2017, 209, 598-605.	6.4	65
27	Enrichment of hydrogenotrophic methanogens by means of gas recycle and its application in biogas upgrading. Energy, 2017, 135, 294-302.	8.8	33
28	Cultivation of four microalgae species in the effluent of anaerobic digester for biodiesel production. Bioresource Technology, 2017, 224, 738-742.	9.6	25
29	Low-strength ultrasonication positively affects methanogenic granules toward higher AD performance: Hydrolytic enzyme excretions. Ultrasonics Sonochemistry, 2017, 36, 168-172.	8.2	11
30	More value from food waste: Lactic acid and biogas recovery. Water Research, 2016, 96, 208-216.	11.3	120
31	Microbial granulation for lactic acid production. Biotechnology and Bioengineering, 2016, 113, 101-111.	3.3	25
32	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. International Journal of Hydrogen Energy, 2016, 41, 21721-21727.	7.1	15
33	Microbial community analysis of anaerobic granules in phenol-degrading UASB by next generation sequencing. Biochemical Engineering Journal, 2016, 112, 241-248.	3.6	73
34	Mitigation of ammonia inhibition by internal dilution in highâ€rate anaerobic digestion of food waste leachate and evidences of microbial community response. Biotechnology and Bioengineering, 2016, 113, 1892-1901.	3.3	23
35	Feasibility study of SCFAs production from microalgae during hydrogen fermentation. International Journal of Hydrogen Energy, 2016, 41, 4439-4445.	7.1	7
36	Inhibition of residual n-hexane in anaerobic digestion of lipid-extracted microalgal wastes and microbial community shift. Environmental Science and Pollution Research, 2016, 23, 7138-7145.	5.3	15

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37	Elucidating a synergistic effect of food waste addition on the enhanced anaerobic digestion of waste activated sludge. Korean Journal of Chemical Engineering, 2015, 32, 1542-1546.	2.7	16
38	Hydrogen fermentation of food waste by alkali-shock pretreatment: Microbial community analysis and limitation of continuous operation. Bioresource Technology, 2015, 186, 215-222.	9.6	61
39	Pretreatment of cheese whey for hydrogen production using a simple hydrodynamic cavitation system under alkaline condition. Fuel, 2015, 150, 202-207.	6.4	25
40	Scenedesmus-based treatment of nitrogen and phosphorus from effluent of anaerobic digester and bio-oil production. Bioresource Technology, 2015, 196, 235-240.	9.6	38
41	Effect of the accuracy of pH control on hydrogen fermentation. Bioresource Technology, 2015, 179, 595-601.	9.6	58
42	Effect of hydraulic retention time on lactic acid production and granulation in an up-flow anaerobic sludge blanket reactor. Bioresource Technology, 2014, 165, 158-161.	9.6	25
43	Enhanced anaerobic digestion of livestock waste by ultrasonication: A tool for ammonia removal and solubilization. Korean Journal of Chemical Engineering, 2014, 31, 619-623.	2.7	16
44	Inhibitory effect of chloroform on fermentative hydrogen and methane production from lipid-extracted microalgae. International Journal of Hydrogen Energy, 2014, 39, 19256-19261.	7.1	31
45	Effect of acid-pretreatment on hydrogen fermentation of food waste: Microbial community analysis by next generation sequencing. International Journal of Hydrogen Energy, 2014, 39, 16302-16309.	7.1	67
46	Application of a novel enzymatic pretreatment using crude hydrolytic extracellular enzyme solution to microalgal biomass for dark fermentative hydrogen production. Bioresource Technology, 2014, 159, 365-372.	9.6	37
47	Development of a novel electric field-assisted modified hydrodynamic cavitation system for disintegration of waste activated sludge. Ultrasonics Sonochemistry, 2014, 21, 1635-1640.	8.2	22
48	Statistical optimization of mixture ratio and particle size for dry co-digestion of food waste and manure by response surface methodology. Korean Journal of Chemical Engineering, 2013, 30, 1493-1496.	2.7	3
49	Rapid formation of hydrogen-producing granules in an up-flow anaerobic sludge blanket reactor coupled with high-rate recirculation. International Journal of Hydrogen Energy, 2013, 38, 9097-9103.	7.1	25
50	Optimization of dark fermentative H2 production from microalgal biomass by combined (acid+ultrasonic) pretreatment. Bioresource Technology, 2013, 141, 220-226.	9.6	46
51	Influence of Performance and Microbial Community by Internal pH Control on Anaerobic Digestion of Food Waste Leachate. Daehan Hwan'gyeong Gonghag Hoeji, 2013, 35, 571-578.	1.1	1
52	Microalgal biomass as a feedstock for bio-hydrogen production. International Journal of Hydrogen Energy, 2012, 37, 15533-15539.	7.1	50