

Mitsuhiko Koyama

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

588
citations

759055

12
h-index

839398

18
g-index

18
all docs

18
docs citations

18
times ranked

663
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced fermentative hydrogen production from industrial wastewater using mixed culture bacteria incorporated with iron, nickel, and zinc-based nanoparticles. <i>Water Research</i> , 2019, 151, 349-361.	5.3	95
2	Effect of temperature on thermophilic composting of aquaculture sludge: NH ₃ recovery, nitrogen mass balance, and microbial community dynamics. <i>Bioresource Technology</i> , 2018, 265, 207-213.	4.8	76
3	Inhibition of anaerobic digestion by dissolved lignin derived from alkaline pre-treatment of an aquatic macrophyte. <i>Chemical Engineering Journal</i> , 2017, 311, 55-62.	6.6	66
4	Characterizing the microbial community involved in anaerobic digestion of lipid-rich wastewater to produce methane gas. <i>Anaerobe</i> , 2020, 61, 102082.	1.0	58
5	Anaerobic digestion of submerged macrophytes: Chemical composition and anaerobic digestibility. <i>Ecological Engineering</i> , 2014, 69, 304-309.	1.6	56
6	Lactic acid bacteria modulate organic acid production during early stages of food waste composting. <i>Science of the Total Environment</i> , 2019, 687, 341-347.	3.9	46
7	Changes in the microbial community during the acclimation process of anaerobic digestion for treatment of synthetic lipid-rich wastewater. <i>Journal of Biotechnology</i> , 2019, 306, 32-37.	1.9	35
8	Enhancing anaerobic digestibility of lignin-rich submerged macrophyte using thermochemical pre-treatment. <i>Biochemical Engineering Journal</i> , 2015, 99, 124-130.	1.8	31
9	Effect of alkaline pretreatment on mesophilic and thermophilic anaerobic digestion of a submerged macrophyte: Inhibition and recovery against dissolved lignin during semi-continuous operation. <i>Bioresource Technology</i> , 2017, 238, 666-674.	4.8	30
10	Nutrient removal from anaerobic digestion effluents of aquatic macrophytes with the green alga, <i>Chlorella sorokiniana</i> . <i>Biochemical Engineering Journal</i> , 2019, 142, 170-177.	1.8	23
11	Production of high-concentration bioethanol from cassava stem by repeated hydrolysis and intermittent yeast inoculation. <i>International Biodeterioration and Biodegradation</i> , 2019, 138, 1-7.	1.9	15
12	Anaerobic co-digestion of alkali-pretreated submerged macrophytes and acidified food waste for reduction of neutralizing agents. <i>International Biodeterioration and Biodegradation</i> , 2017, 125, 208-213.	1.9	13
13	Effect of Ca(OH) ₂ dosing on thermophilic composting of anaerobic sludge to improve the NH ₃ recovery. <i>Science of the Total Environment</i> , 2019, 670, 1133-1139.	3.9	13
14	Effect of enzymatic pre-treatment on thermophilic composting of shrimp pond sludge to improve ammonia recovery. <i>Environmental Research</i> , 2022, 204, 112299.	3.7	11
15	Inoculation of <i>Neurospora</i> sp. for improving ammonia production during thermophilic composting of organic sludge. <i>Science of the Total Environment</i> , 2022, 802, 149961.	3.9	7
16	Novel wet-solid states serial anaerobic digestion process for enhancing methane recovery of aquatic plant biomass. <i>Science of the Total Environment</i> , 2020, 730, 138993.	3.9	5
17	Effect of hydrothermal treatment on organic matter degradation, phytotoxicity, and microbial communities in model food waste composting. <i>Journal of Bioscience and Bioengineering</i> , 2022, 133, 382-389.	1.1	5
18	Effect of seeding materials on organic matter degradation and microbial community succession during model organic waste composting. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 37, 102182.	1.5	3