

Shinichi Akizuki

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

439
citations

933264

10
h-index

752573

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29
all docs

29
docs citations

29
times ranked

431
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploration of microplastics from personal care and cosmetic products and its estimated emissions to marine environment: An evidence from Malaysia. <i>Marine Pollution Bulletin</i> , 2018, 136, 135-140.	2.3	132
2	Effects of different light conditions on ammonium removal in a consortium of microalgae and partial nitrifying granules. <i>Water Research</i> , 2020, 171, 115445.	5.3	45
3	Microalgal-nitrifying bacterial consortium for energy-saving ammonia removal from anaerobic digestate of slaughterhouse wastewater. <i>Journal of Water Process Engineering</i> , 2019, 31, 100753.	2.6	29
4	Simultaneous biological nitrification and desulfurization treatment of ammonium and sulfide-rich wastewater: Effectiveness of a sequential batch operation. <i>Chemosphere</i> , 2020, 244, 125381.	4.2	23
5	Formation of simultaneous denitrification and methanogenesis granules in biological wastewater treatment. <i>Process Biochemistry</i> , 2017, 58, 252-257.	1.8	22
6	Microalgae cultivation using undiluted anaerobic digestate by introducing aerobic nitrification-desulfurization treatment. <i>Water Science and Technology</i> , 2020, 82, 1070-1080.	1.2	17
7	Effect of carbon to nitrogen ratio of food waste and short resting period on microbial accumulation during anaerobic digestion. <i>Biomass and Bioenergy</i> , 2022, 162, 106481.	2.9	17
8	Stable nitrification under sulfide supply in a sequencing batch reactor with a long fill period. <i>Journal of Water Process Engineering</i> , 2018, 25, 190-194.	2.6	15
9	Nitrification of anaerobic digestate using a consortium of microalgae and nitrifiers in an open photobioreactor with moving bed carriers. <i>Chemosphere</i> , 2021, 263, 127948.	4.2	15
10	pH treatments in continuous cultivation to maximize microalgal production and nutrient removal from anaerobic digestion effluent of aquatic macrophytes. <i>Journal of Applied Phycology</i> , 2020, 32, 3349-3362.	1.5	12
11	An anaerobic-aerobic sequential batch system using simultaneous organic and nitrogen removal to treat intermittently discharged organic solid wastes. <i>Process Biochemistry</i> , 2016, 51, 1264-1273.	1.8	11
12	An anaerobic-aerobic sequential batch process with simultaneous methanogenesis and short-cut denitrification for the treatment of marine biofouling. <i>Waste Management</i> , 2018, 74, 168-176.	3.7	11
13	Effect of COD/N ratio and seed sludge on simultaneous methanogenesis and denitrification in intermittent organic wastewater treatment. <i>International Biodeterioration and Biodegradation</i> , 2012, 64, 9-12.	1.9	10
14	Effects of substrate COD/NO ₂ -N ratio on simultaneous methanogenesis and short-cut denitrification in the treatment of blue mussel using acclimated sludge. <i>Biochemical Engineering Journal</i> , 2015, 99, 16-23.	1.8	10
15	Conditions for continuous cultivation of <i>Chlorella sorokiniana</i> and nutrient removal from anaerobic digestion effluent of aquatic macrophytes. <i>International Biodeterioration and Biodegradation</i> , 2020, 149, 104923.	1.9	9
16	Development of a gas-permeable bag photobioreactor for energy-efficient oxygen removal from algal culture. <i>Algal Research</i> , 2021, 60, 102543.	2.4	9
17	Application of nitrifying granular sludge for stable ammonium oxidation under intensive light. <i>Biochemical Engineering Journal</i> , 2020, 160, 107631.	1.8	8
18	Cumulative effects of titanium dioxide nanoparticles in UASB process during wastewater treatment. <i>Journal of Environmental Management</i> , 2021, 277, 111428.	3.8	6

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19	Influence of lignocellulosic components on the anaerobic digestibility of aquatic weeds: Comparison with terrestrial crops. <i>Industrial Crops and Products</i> , 2022, 178, 114576.	2.5	6
20	Advanced light-tolerant microalgae-nitrifying bacteria consortia for stable ammonia removal under strong light irradiation using light-shielding hydrogel. <i>Chemosphere</i> , 2022, 297, 134252.	4.2	6
21	A multifunctional single-stage process for the effective methane recovery and denitrification of intermittently discharged wastes. <i>International Biodeterioration and Biodegradation</i> , 2018, 127, 201-208.	1.9	5
22	Seasonal Changes in the Chemical Composition and Anaerobic Digestibility of Harvested Submerged Macrophytes. <i>Bioenergy Research</i> , 2020, 13, 683-692.	2.2	5
23	Development of light-shielding hydrogel for nitrifying bacteria to prevent photoinhibition under strong light irradiation. <i>Process Biochemistry</i> , 2020, 94, 359-364.	1.8	5
24	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
25	Effect of ammonia concentration on a microalgal-nitrifying bacterial photobioreactor treating anaerobic digester effluent. <i>Biochemical Engineering Journal</i> , 2021, 173, 108057.	1.8	3
26	Anaerobic digestion effluent treatment using microalgae and nitrifiers in an outdoor raceway pond with fluidized carriers. <i>Water Science and Technology</i> , 2020, 82, 1081-1091.	1.2	2
27	Mechanism of cell proliferation during starvation in a continuous stirred tank anaerobic reactor treating food waste. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1659-1669.	1.7	1
28	Treatment of piggery wastewater with an integrated microalgae-nitrifiers process: current status and prospects. , 2021, , 595-616.		0