

Ioannis A Fotidis

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

1,969
citations

24
h-index

44
g-index

44
ext. papers

2,400
ext. citations

8.8
avg, IF

5.21
L-index

#	Paper	IF	Citations
43	Towards a standardization of biomethane potential tests. <i>Water Science and Technology</i> , 2016 , 74, 2515-2522	2.522	379
42	Effect of ammonium and acetate on methanogenic pathway and methanogenic community composition. <i>FEMS Microbiology Ecology</i> , 2013 , 83, 38-48	4.3	165
41	Bioaugmentation as a solution to increase methane production from an ammonia-rich substrate. <i>Environmental Science & Technology</i> , 2014 , 48, 7669-76	10.3	153
40	Bioaugmentation with an acetate-oxidising consortium as a tool to tackle ammonia inhibition of anaerobic digestion. <i>Bioresource Technology</i> , 2013 , 146, 57-62	11	98
39	Acclimation to extremely high ammonia levels in continuous biomethanation process and the associated microbial community dynamics. <i>Bioresource Technology</i> , 2018 , 247, 616-623	11	94
38	The dominant acetate degradation pathway/methanogenic composition in full-scale anaerobic digesters operating under different ammonia levels. <i>International Journal of Environmental Science and Technology</i> , 2014 , 11, 2087-2094	3.3	82
37	Ammonia effect on hydrogenotrophic methanogens and syntrophic acetate-oxidizing bacteria. <i>FEMS Microbiology Ecology</i> , 2015 , 91,	4.3	78
36	Comparative analysis of taxonomic, functional, and metabolic patterns of microbiomes from 14 full-scale biogas reactors by metagenomic sequencing and radioisotopic analysis. <i>Biotechnology for Biofuels</i> , 2016 , 9, 51	7.8	77
35	Biohydrogen production from pig slurry in a CSTR reactor system with mixed cultures under hyper-thermophilic temperature (70 °C). <i>Biomass and Bioenergy</i> , 2009 , 33, 1168-1174	5.3	64
34	Acclimatization contributes to stable anaerobic digestion of organic fraction of municipal solid waste under extreme ammonia levels: Focusing on microbial community dynamics. <i>Bioresource Technology</i> , 2019 , 286, 121376	11	60
33	Ammonia tolerant inocula provide a good base for anaerobic digestion of microalgae in third generation biogas process. <i>Bioresource Technology</i> , 2017 , 225, 272-278	11	53
32	Effect of different ammonia sources on aceticlastic and hydrogenotrophic methanogens. <i>Bioresource Technology</i> , 2018 , 250, 390-397	11	47
31	Laminaria digitata as a potential carbon source for succinic acid and bioenergy production in a biorefinery perspective. <i>Algal Research</i> , 2015 , 9, 126-132	5	46
30	Anaerobic Co-digestion of Agricultural Byproducts with Manure for Enhanced Biogas Production. <i>Energy & Fuels</i> , 2015 , 29, 8088-8094	4.1	42
29	Hydrogenotrophic methanogens are the key for a successful bioaugmentation to alleviate ammonia inhibition in thermophilic anaerobic digesters. <i>Bioresource Technology</i> , 2019 , 293, 122070	11	41
28	Enriched ammonia-tolerant methanogenic cultures as bioaugmentation inocula in continuous biomethanation processes. <i>Journal of Cleaner Production</i> , 2017 , 166, 1305-1313	10.3	38
27	Bioaugmentation strategy for overcoming ammonia inhibition during biomethanation of a protein-rich substrate. <i>Chemosphere</i> , 2019 , 231, 415-422	8.4	37

26	Simultaneous biogas upgrading and biochemicals production using anaerobic bacterial mixed cultures. <i>Water Research</i> , 2018 , 142, 86-95	12.5	35
25	Different cultivation methods to acclimatise ammonia-tolerant methanogenic consortia. <i>Bioresource Technology</i> , 2017 , 232, 1-9	11	34
24	Effects of triclosan, diclofenac, and nonylphenol on mesophilic and thermophilic methanogenic activity and on the methanogenic communities. <i>Journal of Hazardous Materials</i> , 2015 , 291, 45-51	12.8	29
23	Effect of ammonia on anaerobic digestion of municipal solid waste: Inhibitory performance, bioaugmentation and microbiome functional reconstruction. <i>Chemical Engineering Journal</i> , 2020 , 401, 126159	14.7	29
22	Inoculum and zeolite synergistic effect on anaerobic digestion of poultry manure. <i>Environmental Technology (United Kingdom)</i> , 2014 , 35, 1219-25	2.6	26
21	Ammonia-LCFA synergetic co-inhibition effect in manure-based continuous biomethanation process. <i>Bioresource Technology</i> , 2016 , 209, 282-9	11	25
20	A proposed mechanism for the ammonia-LCFA synergetic co-inhibition effect on anaerobic digestion process. <i>Chemical Engineering Journal</i> , 2018 , 349, 574-580	14.7	25
19	Zeolite and swine inoculum effect on poultry manure biomethanation. <i>International Agrophysics</i> , 2013 , 27, 169-173	2	23
18	Detailing the start-up and microalgal growth performance of a full-scale photobioreactor operated with bioindustrial wastewater. <i>Algal Research</i> , 2017 , 25, 101-108	5	19
17	A systematic methodology to extend the applicability of a bioconversion model for the simulation of various co-digestion scenarios. <i>Bioresource Technology</i> , 2017 , 235, 157-166	11	19
16	Biogas upgrading and biochemical production from gas fermentation: Impact of microbial community and gas composition. <i>Bioresource Technology</i> , 2019 , 286, 121413	11	18
15	Insights into Ammonia Adaptation and Methanogenic Precursor Oxidation by Genome-Centric Analysis. <i>Environmental Science & Technology</i> , 2020 , 54, 12568-12582	10.3	18
14	16s rRNA gene sequencing and radioisotopic analysis reveal the composition of ammonia acclimatized methanogenic consortia. <i>Bioresource Technology</i> , 2019 , 272, 54-62	11	17
13	Wirelessly powered submerged-light illuminated photobioreactors for efficient microalgae cultivation. <i>Algal Research</i> , 2017 , 25, 244-251	5	14
12	Effects of Benzalkonium Chloride, Proxel LV, P3 Hypochloran, Triton X-100 and DOWFAX 63N10 on anaerobic digestion processes. <i>Bioresource Technology</i> , 2015 , 193, 393-400	11	13
11	Alternative co-digestion scenarios for efficient fixed-dome reactor biomethanation processes. <i>Journal of Cleaner Production</i> , 2016 , 127, 610-617	10.3	13
10	Up-concentration of succinic acid, lactic acid, and ethanol fermentations broths by forward osmosis. <i>Biochemical Engineering Journal</i> , 2020 , 155, 107482	4.2	12
9	Microalgal process-monitoring based on high-selectivity spectroscopy tools: status and future perspectives. <i>Critical Reviews in Biotechnology</i> , 2018 , 38, 704-718	9.4	11

8	Forward-osmosis anaerobic-membrane bioreactors for brewery wastewater remediation. <i>Separation and Purification Technology</i> , 2021 , 257, 117786	8.3	7
7	Long-term preserved and rapidly revived methanogenic cultures: Microbial dynamics and preservation mechanisms. <i>Journal of Cleaner Production</i> , 2020 , 263, 121577	10.3	5
6	Recovery of intermittent cycle extended aeration system sludge through conversion into biodiesel by in-situ transesterification. <i>Renewable Energy</i> , 2021 , 163, 56-65	8.1	5
5	Comprehensive evaluation of different strategies to recover methanogenic performance in ammonia-stressed reactors. <i>Bioresource Technology</i> , 2021 , 336, 125329	11	5
4	Saline fish wastewater in biogas plants - Biomethanation toxicity and safe use. <i>Journal of Environmental Management</i> , 2020 , 275, 111233	7.9	4
3	Feeding strategies of continuous biomethanation processes during increasing organic loading with lipids or glucose for avoiding potential inhibition. <i>Bioresource Technology</i> , 2021 , 327, 124812	11	3
2	The implications of using organic-rich industrial wastewater as biomethanation feedstocks. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 144, 110987	16.2	3
1	Novel bioaugmentation strategy boosted with biochar to alleviate ammonia toxicity in continuous biomethanation. <i>Bioresource Technology</i> , 2022 , 343, 126146	11	1