

Yadira Baján Fernández

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

506
citations

933264

10
h-index

677027

22
g-index

24
all docs

24
docs citations

24
times ranked

595
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Insight on the Impact of Enzymatic Addition on Organic Loading Rate in Anaerobic Digestion. Waste and Biomass Valorization, 2022, 13, 2109-2120.	1.8	1
2	An exploratory study of the impact and potential of menstrual hygiene management waste in the UK. Cleaner Engineering and Technology, 2022, 7, 100435.	2.1	6
3	Characterisation and control of the biosolids storage environment: Implications for E. coli dynamics. Science of the Total Environment, 2021, 752, 141705.	3.9	5
4	Full-scale trials to achieve low total phosphorus in effluents from sewage treatment works. Journal of Water Process Engineering, 2021, 40, 101981.	2.6	3
5	Effects of CO2 enrichment on the anaerobic digestion of sewage sludge in continuously operated fermenters. Bioresource Technology, 2021, 332, 125147.	4.8	8
6	Solid state anaerobic digestion of water poor feedstock for methane yield: an overview of process characteristics and challenges. Waste Disposal & Sustainable Energy, 2021, 3, 227-245.	1.1	2
7	On the compressional rheology of fresh faeces: Evidence for improving community scale sanitation through localised dewatering. Water Research, 2021, 204, 117526.	5.3	6
8	Rheological characterisation of synthetic and fresh faeces to inform on solids management strategies for non-sewered sanitation systems. Journal of Environmental Management, 2021, 300, 113730.	3.8	5
9	Influence of Innate Sludge Factors and Ambient Environmental Parameters in Biosolids Storage on Indicator Bacteria Survival: A Review. Waste and Biomass Valorization, 2020, 11, 6105-6114.	1.8	2
10	Dry anaerobic digestion of organic waste: A review of operational parameters and their impact on process performance. Bioresource Technology, 2020, 299, 122681.	4.8	188
11	Nitrogen oxidation consortia dynamics influence the performance of full-scale rotating biological contactors. Environment International, 2020, 135, 105354.	4.8	11
12	Combining Unmanned Aircraft Systems and Image Processing for Wastewater Treatment Plant Asset Inspection. Remote Sensing, 2020, 12, 1461.	1.8	4
13	Influence of sludge layer properties on the hydraulic behaviour of gravel-based vertical flow constructed wetlands for primary treatment of sewage. Science of the Total Environment, 2019, 691, 1137-1143.	3.9	10
14	Enhancing the anaerobic digestion process through carbon dioxide enrichment: initial insights into mechanisms of utilization. Environmental Technology (United Kingdom), 2019, 40, 1744-1755.	1.2	8
15	Disruption of cells in biosolids affects <i>E. coli</i> dynamics in storage. H2Open Journal, 2019, 2, 101-112.	0.8	2
16	Evaluation of anaerobic digestibility of energy crops and agricultural by-products. Bioresource Technology Reports, 2019, 5, 243-250.	1.5	14
17	Performance and stability of sewage sludge digestion under CO2 enrichment: A pilot study. Bioresource Technology, 2017, 245, 581-589.	4.8	35
18	Bioconversion of carbon dioxide in anaerobic digesters for on-site carbon capture and biogas enhancement – A review. Critical Reviews in Environmental Science and Technology, 2017, 47, 1555-1580.	6.6	26

#	ARTICLE	IF	CITATIONS
19	Methane from CO ₂ : Influence of different CO ₂ concentrations in the flush gas on the methane production in BMP tests. Waste Management, 2016, 49, 36-39.	3.7	8
20	Gas to liquid mass transfer in rheologically complex fluids. Chemical Engineering Journal, 2015, 273, 656-667.	6.6	32
21	Biological carbon dioxide utilisation in food waste anaerobic digesters. Water Research, 2015, 87, 467-475.	5.3	25
22	Influence of headspace flushing on methane production in Biochemical Methane Potential (BMP) tests. Bioresource Technology, 2015, 186, 173-178.	4.8	53
23	Carbon capture and biogas enhancement by carbon dioxide enrichment of anaerobic digesters treating sewage sludge or food waste. Bioresource Technology, 2014, 159, 1-7.	4.8	49
24	Use of Inoculum, Water and Percolate as Strategy to Avoid Inhibition on Dry-Batch Anaerobic Digestion of Organic Fraction of Municipal Solid Waste. Waste and Biomass Valorization, 0, , 1.	1.8	3