

Jc Costa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3411316/publications.pdf>

Version: 2024-02-01

25
papers

874
citations

586496

16
h-index

685536

24
g-index

25
all docs

25
docs citations

25
times ranked

1358
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochemical methane potential of brewery by-products. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 435-440.	2.1	35
2	Improvement of Biomethane Production from Sewage Sludge in Co-digestion with Glycerol and Waste Frying Oil, Using a Design of Experiments. <i>Bioenergy Research</i> , 2018, 11, 763-771.	2.2	15
3	Response surface design to study the influence of inoculum, particle size and inoculum to substrate ratio on the methane production from <i>Ulex</i> sp.. <i>Renewable Energy</i> , 2016, 96, 1071-1077.	4.3	16
4	Biohythane production from marine macroalgae <i>Sargassum</i> sp. coupling dark fermentation and anaerobic digestion. <i>Bioresource Technology</i> , 2015, 190, 251-256.	4.8	36
5	Optimization of biogas production from <i>Sargassum</i> sp. using a design of experiments to assess the co-digestion with glycerol and waste frying oil. <i>Bioresource Technology</i> , 2015, 175, 480-485.	4.8	62
6	On the independence of hydrogen production from methanogenic suppressor in olive mill wastewater. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 6402-6406.	3.8	9
7	Design of experiments to assess pre-treatment and co-digestion strategies that optimize biogas production from macroalgae <i>Gracilaria vermiculophylla</i> . <i>Bioresource Technology</i> , 2014, 162, 323-330.	4.8	56
8	Quantitative image analysis for the characterization of microbial aggregates in biological wastewater treatment: a review. <i>Environmental Science and Pollution Research</i> , 2013, 20, 5887-5912.	2.7	31
9	Biomethanation Potential of Biological and Other Wastes. , 2013, , 369-396.		1
10	Posttreatment of Olive Mill Wastewater by Immobilized TiO_2 Photocatalysis. <i>Photochemistry and Photobiology</i> , 2013, 89, 545-551.	1.3	16
11	Evaluation of the biomethane potential of solid fish waste. <i>Waste Management</i> , 2012, 32, 1347-1352.	3.7	70
12	Strategies for lipids and phenolics degradation in the anaerobic treatment of olive mill wastewater. <i>Water Research</i> , 2012, 46, 1684-1692.	5.3	79
13	Effects of pre-treatment and bioaugmentation strategies on the anaerobic digestion of chicken feathers. <i>Bioresource Technology</i> , 2012, 120, 114-119.	4.8	39
14	Anaerobic biodegradability of Category 2 animal by-products: Methane potential and inoculum source. <i>Bioresource Technology</i> , 2012, 124, 276-282.	4.8	17
15	Thermochemical pre- and biological co-treatments to improve hydrolysis and methane production from poultry litter. <i>Bioresource Technology</i> , 2012, 111, 141-147.	4.8	86
16	Biomethanation potential of macroalgae <i>Ulva</i> spp. and <i>Gracilaria</i> spp. and in co-digestion with waste activated sludge. <i>Bioresource Technology</i> , 2012, 114, 320-326.	4.8	128
17	Inoculum acclimation to oleate promotes the conversion of olive mill wastewater to methane. <i>Energy</i> , 2011, 36, 2138-2141.	4.5	27
18	A chemometric tool to monitor high-rate anaerobic granular sludge reactors during load and toxic disturbances. <i>Biochemical Engineering Journal</i> , 2010, 53, 38-43.	1.8	9

#	ARTICLE	IF	CITATIONS
19	Advanced monitoring of high-rate anaerobic reactors through quantitative image analysis of granular sludge and multivariate statistical analysis. <i>Biotechnology and Bioengineering</i> , 2009, 102, 445-456.	1.7	12
20	Inoculum type response to different pHs on biohydrogen production from l-arabinose, a component of hemicellulosic biopolymers. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 1744-1751.	3.8	40
21	Morphology and physiology of anaerobic granular sludge exposed to an organic solvent. <i>Journal of Hazardous Materials</i> , 2009, 167, 393-398.	6.5	10
22	Principal component analysis and quantitative image analysis to predict effects of toxics in anaerobic granular sludge. <i>Bioresource Technology</i> , 2009, 100, 1180-1185.	4.8	31
23	Quantitative image analysis as a diagnostic tool for identifying structural changes during a revival process of anaerobic granular sludge. <i>Water Research</i> , 2007, 41, 1473-1480.	5.3	21
24	Quantitative image analysis as a diagnostic tool for monitoring structural changes of anaerobic granular sludge during detergent shock loads. <i>Biotechnology and Bioengineering</i> , 2007, 98, 60-68.	1.7	20
25	Knowledge-based fuzzy system for diagnosis and control of an integrated biological wastewater treatment process. <i>Water Science and Technology</i> , 2006, 53, 313-320.	1.2	8