

## List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Biochemical methane potential of brewery by-products. Clean Technologies and Environmental Policy, 2018, 20, 435-440.	4.1	35
2	Improvement of Biomethane Production from Sewage Sludge in Co-digestion with Glycerol and Waste Frying Oil, Using a Design of Experiments. Bioenergy Research, 2018, 11, 763-771.	3.9	15
3	Response surface design to study the influence of inoculum, particle size and inoculum to substrate ratio on the methane production from Ulex sp Renewable Energy, 2016, 96, 1071-1077.	8.9	16
4	Biohythane production from marine macroalgae Sargassum sp. coupling dark fermentation and anaerobic digestion. Bioresource Technology, 2015, 190, 251-256.	9.6	36
5	Optimization of biogas production from Sargassum sp. using a design of experiments to assess the co-digestion with glycerol and waste frying oil. Bioresource Technology, 2015, 175, 480-485.	9.6	62
6	On the independence of hydrogen production from methanogenic suppressor in olive mill wastewater. International Journal of Hydrogen Energy, 2014, 39, 6402-6406.	7.1	9
7	Design of experiments to assess pre-treatment and co-digestion strategies that optimize biogas production from macroalgae Gracilaria vermiculophylla. Bioresource Technology, 2014, 162, 323-330.	9.6	56
8	Quantitative image analysis for the characterization of microbial aggregates in biological wastewater treatment: a review. Environmental Science and Pollution Research, 2013, 20, 5887-5912.	5.3	31
9	Biomethanation Potential of Biological and Other Wastes. , 2013, , 369-396.		1
10	Posttreatment of Olive Mill Wastewater by Immobilized <scp><scp>TiO</scp></scp> <sub>2</sub> Photocatalysis. Photochemistry and Photobiology, 2013, 89, 545-551.	2.5	16
11	Evaluation of the biomethane potential of solid fish waste. Waste Management, 2012, 32, 1347-1352.	7.4	70
12	Strategies for lipids and phenolics degradation in the anaerobic treatment of olive mill wastewater. Water Research, 2012, 46, 1684-1692.	11.3	79
13	Effects of pre-treatment and bioaugmentation strategies on the anaerobic digestion of chicken feathers. Bioresource Technology, 2012, 120, 114-119.	9.6	39
14	Anaerobic biodegradability of Category 2 animal by-products: Methane potential and inoculum source. Bioresource Technology, 2012, 124, 276-282.	9.6	17
15	Thermochemical pre- and biological co-treatments to improve hydrolysis and methane production from poultry litter. Bioresource Technology, 2012, 111, 141-147.	9.6	86
16	Biomethanation potential of macroalgae Ulva spp. and Gracilaria spp. and in co-digestion with waste activated sludge. Bioresource Technology, 2012, 114, 320-326.	9.6	128
17	Inoculum acclimation to oleate promotes the conversion of olive mill wastewater to methane. Energy, 2011, 36, 2138-2141.	8.8	27
18	A chemometric tool to monitor high-rate anaerobic granular sludge reactors during load and toxic disturbances. Biochemical Engineering Journal, 2010, 53, 38-43.	3.6	9

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#	Article	IF	CITATIONS
19	Advanced monitoring of highâ€rate anaerobic reactors through quantitative image analysis of granular sludge and multivariate statistical analysis. Biotechnology and Bioengineering, 2009, 102, 445-456.	3.3	12
20	Inoculum type response to different pHs on biohydrogen production from l-arabinose, a component of hemicellulosic biopolymers. International Journal of Hydrogen Energy, 2009, 34, 1744-1751.	7.1	40
21	Morphology and physiology of anaerobic granular sludge exposed to an organic solvent. Journal of Hazardous Materials, 2009, 167, 393-398.	12.4	10
22	Principal component analysis and quantitative image analysis to predict effects of toxics in anaerobic granular sludge. Bioresource Technology, 2009, 100, 1180-1185.	9.6	31
23	Quantitative image analysis as a diagnostic tool for identifying structural changes during a revival process of anaerobic granular sludge. Water Research, 2007, 41, 1473-1480.	11.3	21
24	Quantitative image analysis as a diagnostic tool for monitoring structural changes of anaerobic granular sludge during detergent shock loads. Biotechnology and Bioengineering, 2007, 98, 60-68.	3.3	20
25	Knowledge-based fuzzy system for diagnosis and control of an integrated biological wastewater treatment process. Water Science and Technology, 2006, 53, 313-320.	2.5	8