L A FernÃ¡ndez-GÃ¼elfo

List of Publications by Year
in descending order

25 papers	1,050 citations	567281 15 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	1259 citing authors

#	Article	IF	Citations
1	Anaerobic co-digestion of organic fraction of municipal solid waste (OFMSW): Progress and challenges. Renewable and Sustainable Energy Reviews, 2018, 93, 380-399.	16.4	270
2	Effect of thermal pretreatment on the biogas production and microbial communities balance during anaerobic digestion of urban and industrial waste activated sludge. Bioresource Technology, 2016, 214, 184-191.	9.6	132
3	Selecting sewage sludge treatment alternatives in modern wastewater treatment plants using environmental decision support systems. Journal of Cleaner Production, 2015, 107, 410-419.	9.3	96
4	Effect of HRT on hydrogen production and organic matter solubilization in acidogenic anaerobic digestion of OFMSW. Chemical Engineering Journal, 2013, 219, 443-449.	12.7	70
5	The use of thermochemical and biological pretreatments to enhance organic matter hydrolysis and solubilization from organic fraction of municipal solid waste (OFMSW). Chemical Engineering Journal, 2011, 168, 249-254.	12.7	67
6	Start-up of thermophilicâ€“dry anaerobic digestion of OFMSW using adapted modified SEBAC inoculum. Bioresource Technology, 2010, 101, 9031-9039.	9.6	57
7	Improvement of Anaerobic Digestion of Lignocellulosic Biomass by Hydrothermal Pretreatment. Applied Sciences (Switzerland), 2019, 9, 3853.	2.5	46
8	Biological pretreatment applied to industrial organic fraction of municipal solid wastes (OFMSW): Effect on anaerobic digestion. Chemical Engineering Journal, 2011, 172, 321-325.	12.7	42
9	The effect of different pretreatments on biomethanation kinetics of industrial Organic Fraction of Municipal Solid Wastes (OFMSW). Chemical Engineering Journal, 2011, 171, 411-417.	12.7	39
10	Dry-thermophilic anaerobic digestion of organic fraction of municipal solid waste: Methane production modeling. Waste Management, 2012, 32, 382-388.	7.4	36
11	Dry-thermophilic anaerobic digestion of simulated organic fraction of Municipal Solid Waste: Process modeling. Bioresource Technology, 2011, 102, 606-611.	9.6	32
12	New indirect parameters for interpreting a destabilization episode in an anaerobic reactor. Chemical Engineering Journal, 2012, 180, 32-38.	12.7	31
13	Thermally enhanced solubilization and anaerobic digestion of organic fraction of municipal solid waste. Chemosphere, 2021, 282, 131136.	8.2	25
14	New criteria to determine the destabilization of the acidogenic anaerobic co-digestion of organic fraction of municipal solid waste (OFMSW) with mixed sludge (MS). Bioresource Technology, 2018, 248, 174-179.	9.6	22
15	Inhibition of the Hydrolytic Phase in the Production of Biohydrogen by Dark Fermentation of Organic Solid Waste. Energy & Fuels, 2017, 31, 7176-7184.	5.1	19
16	Determination of critical and optimum conditions for biomethanization of OFMSW in a semi-continuous stirred tank reactor. Chemical Engineering Journal, 2011, 171, 418-424.	12.7	16
17	Destabilization of an anaerobic reactor by wash-out episode: Effect on the biomethanization performance. Chemical Engineering Journal, 2013, 214, 247-252.	12.7	14
18	Thermochemical Pretreatments of Organic Fraction of Municipal Solid Waste from a Mechanical-Biological Treatment Plant. International Journal of Molecular Sciences, 2015, 16, 3769-3782.	4.1	12

#	Article	IF	Citations
19	New parameters to determine the optimum pretreatment for improving the biomethanization performance. Chemical Engineering Journal, 2012, 198-199, 81-86.	12.7	10
20	New approach for integral treatment of OFMSW: Comparative analysis of its methane performance versus a conventional continuously stirred tank reactor. Chemical Engineering Journal, 2013, 233, 282-291.	12.7	5
21	Thermophilic Anaerobic Co-Digestion of Exhausted Sugar Beet Pulp with Cow Manure to Boost the Performance of the Process: The Effect of Manure Proportion. Water (Switzerland), 2021, 13, 67.	2.7	5
22	Influence of the total concentration and the profile of volatile fatty acids on polyhydroxyalkanoates (PHA) production by mixed microbial cultures. Biomass Conversion and Biorefinery, 2024, 14, 239-253.	4.6	3
23	New Strategy for a Suitable Fast Stabilization of the Biomethanization Performance. Archaea, 2012, 2012, 1-7.	2.3	1
24	Editorial of the Special Issue â€œAnaerobic Co-Digestion of Lignocellulosic Wastesâ€• Applied Sciences (Switzerland), 2020, 10, 7399.	2.5	0
25	Integral valorization of residual biomass: Hydrogen, polyhydroxyalkanoates, and compost production. , 2021, , 355-390.		0