Rosario Solera del RÃ- o

List of Publications by Year
in descending order

31 papers	867 citations	471509 17 h-index	477307 29 g-index
31 all docs	31 docs citations	31 times ranked	846 citing authors

#	Article	IF	Citations
1	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
2	Agreement between Theory and Measurement in Quantification of Ammonia-Oxidizing Bacteria. Applied and Environmental Microbiology, 2005, 71, 6325-6334.	3.1	73
3	Anaerobic mesophilic co-digestion of sewage sludge and sugar beet pulp lixiviation in batch reactors: Effect of pH control. Chemical Engineering Journal, 2014, 255, 492-499.	12.7	65
4	Biomethane production improvement by enzymatic pre-treatments and enhancers of sewage sludge anaerobic digestion. Fuel, 2019, 255, 115713.	6.4	50
5	Enhanced hydrogen production from sewage sludge by cofermentation with wine vinasse. International Journal of Hydrogen Energy, 2020, 45, 15977-15984.	7.1	49
6	Thermophilic and mesophilic temperature phase anaerobic co-digestion (TPAcD) compared with single-stage co-digestion of sewage sludge and sugar beet pulp lixiviation. Biomass and Bioenergy, 2016, 93, 107-115.	5.7	48
7	Anaerobic co-digestion of sewage sludge and sugar beet pulp lixiviation in batch reactors: Effect of temperature. Bioresource Technology, 2015, 180, 177-184.	9.6	40
8	A bibliometric analysis of the hydrogen production from dark fermentation. International Journal of Hydrogen Energy, 2022, 47, 27397-27420.	7.1	40
9	Mesophilic anaerobic co-digestion of sewage sludge with glycerine: Effect of solids retention time. Fuel, 2018, 215, 285-289.	6.4	39
10	Improvement of biomethane potential of sewage sludge anaerobic co-digestion by addition of â€œsherry-wineâ€•distillery wastewater. Journal of Cleaner Production, 2020, 251, 119667.	9.3	39
11	Anaerobic co-digestion of sewage sludge, wine vinasse and poultry manure for bio-hydrogen production. International Journal of Hydrogen Energy, 2022, 47, 3667-3678.	7.1	36
12	Mesophilic anaerobic co-digestion of sewage sludge and a lixiviation of sugar beet pulp: Optimisation of the semi-continuous process. Bioresource Technology, 2013, 142, 655-662.	9.6	26
13	Benefits in the valorization of sewage sludge and wine vinasse via a two-stage acidogenic-thermophilic and methanogenic-mesophilic system based on the circular economy concept. Fuel, 2021, 296, 120654.	6.4	25
14	Effects of several inocula on the biochemical hydrogen potential of sludge-vinasse co-digestion. Fuel, 2019, 258, 116180.	6.4	23
15	Improvement of the anaerobic digestion of sewage sludge by co-digestion with wine vinasse and poultry manure: Effect of different hydraulic retention times. Fuel, 2022, 321, 124104.	6.4	20
16	Effect of hydraulic retention time on hydrogen production from sewage sludge and wine vinasse in a thermophilic acidogenic CSTR: A promising approach for hydrogen production within the biorefinery concept. International Journal of Hydrogen Energy, 2021, 46, 7810-7820.	7.1	19
17	Biochemical assays of potential methane to test biogas production from dark fermentation of sewage sludge and agricultural residues. International Journal of Hydrogen Energy, 2022, 47, 13289-13299.	7.1	18
18	Effect of hydraulic retention time on the methanogenic step of a two-stage anaerobic digestion system from sewage sludge and wine vinasse: Microbial and kinetic evaluation. Fuel, 2021, 296, 120674.	6.4	17

#	Article	IF	Citations
19	First approaches to valorizate fat, oil and grease (FOG) as anaerobic co-substrate with slaughterhouse wastewater: Biomethane potential, settling capacity and microbial dynamics.. Chemosphere, 2020, 259, 127474.	8.2	15
20	Seeking to enhance the bioenergy of municipal sludge: Effect of alkali pre-treatment and soluble organic matter supplementation. Waste Management, 2017, 68, 398-404.	7.4	13
21	An eco-friendly way to valorize winery wastewater and sewage sludge: Anaerobic co-digestion. Biomass and Bioenergy, 2020, 142, 105779.	5.7	10
22	Modelling of the anaerobic semi-continuous co-digestion of sewage sludge and wine distillery wastewater. Environmental Science: Water Research and Technology, 2020, 6, 1880-1889.	2.4	10
23	Biomethanization from sulfateâ€containing municipal solid waste: effect of molybdate on microbial consortium. Journal of Chemical Technology and Biotechnology, 2014, 89, 1379-1387.	3.2	9
24	Adaptation of thermophilic sludge-inoculum to co-digestion with Sherry-wine distillery wastewater. Biomass and Bioenergy, 2020, 139, 105628.	5.7	9
25	Eco-energetic management of activated sludge derived from slaughterhouse wastewater treatment: pre-treatments for enhancing biogas production under anaerobic conditions. Sustainable Energy and Fuels, 2020, 4, 5072-5079.	4.9	8
26	Determination of Anaerobic Co-fermentation of Brewery Wastewater and Brewerâ€™s Spent Grains for Bio-hydrogen Production. Bioenergy Research, 2023, 16, 1073-1083.	3.9	8
27	Performance of up-flow anaerobic fixed bed reactor of the treatment of sugar beet pulp lixiviation in a thermophilic range. Bioresource Technology, 2014, 154, 305-312.	9.6	7
28	Assessment of Chemical Inhibitor Addition to Improve the Gas Production from Biowaste. Waste and Biomass Valorization, 2019, 10, 1091-1099.	3.4	6
29	Anaerobic digestion of slaughterhouse waste in batch and anaerobic sequential batch reactors. Biomass Conversion and Biorefinery, 2023, 13, 11457-11468.	4.6	6
30	Evaluating the Effectiveness of Adding Chicken Manure in the Anaerobic Mesophilic Codigestion of Sewage Sludge and Wine Distillery Wastewater: Kinetic Modeling and Economic Approach. Energy & Fuels, 2020, 34, 12626-12633.	5.1	4
31	Anaerobic sequential batch reactor for CO-DIGESTION of slaughterhouse residues: Wastewater and activated sludge. Energy, 2022, 255, 124575.	8.8	3