Juan FÃ©lix GonzÃ¡lez

List of Publications by Year
in descending order

32 papers	2,058 citations	331670 21 h-index	395702 33 g-index
33 all docs	33 docs citations	33 times ranked	2265 citing authors

#	Article	IF	Citations
1	Biodiesel from Used Frying Oil. Variables Affecting the Yields and Characteristics of the Biodiesel. Industrial & Engineering Chemistry Research, 2005, 44, 5491-5499.	3.7	419
2	Pyrolysis of automobile tyre waste. Influence of operating variables and kinetics study. Journal of Analytical and Applied Pyrolysis, 2001, 58-59, 667-683.	5.5	204
3	Combustion optimisation of biomass residue pellets for domestic heating with a mural boiler. Biomass and Bioenergy, 2004, 27, 145-154.	5.7	136
4	Preparation and Properties of Biodiesel fromCynaracardunculusL. Oil. Industrial & Engineering Chemistry Research, 1999, 38, 2927-2931.	3.7	132
5	Preparation of activated carbons from used tyres by gasification with steam and carbon dioxide. Applied Surface Science, 2006, 252, 5999-6004.	6.1	119
6	Pyrolysis of cherry stones: energy uses of the different fractions and kinetic study. Journal of Analytical and Applied Pyrolysis, 2003, 67, 165-190.	5.5	112
7	Porosity Development in Activated Carbons Prepared from Walnut Shells by Carbon Dioxide or Steam Activation. Industrial & Engineering Chemistry Research, 2009, 48, 7474-7481.	3.7	102
8	Industrial wastewater advanced oxidation. Part 2. Ozone combined with hydrogen peroxide or UV radiation. Water Research, 1997, 31, 2415-2428.	11.3	101
9	Pyrolysis of Almond Shells. Energy Applications of Fractions. Industrial & Engineering Chemistry Research, 2005, 44, 3003-3012.	3.7	90
10	Catalyzed Pyrolysis of Grape and Olive Bagasse. Influence of Catalyst Type and Chemical Treatment. Industrial & Engineering Chemistry Research, 1997, 36, 4176-4183.	3.7	85
11	Industrial wastewater advanced oxidation. Part 1. UV radiation in the presence and absence of hydrogen peroxide. Water Research, 1997, 31, 2405-2414.	11.3	77
12	Pyrolysis of maize, sunflower, grape and tobacco residues. Journal of Chemical Technology and Biotechnology, 1997, 70, 400-410.	3.2	72
13	Safflower Biodiesel: Improvement of its Oxidative Stability by Using BHA and TBHQ. Energies, 2019, 12, 1940.	3.1	47
14	Complete analysis of castor oil methanolysis to obtain biodiesel. Fuel, 2015, 147, 95-99.	6.4	44
15	Biolubricants from Rapeseed and Castor Oil Transesterification by Using Titanium Isopropoxide as a Catalyst: Production and Characterization. Catalysts, 2020, 10, 366.	3.5	40
16	Use of almond residues for domestic heating. Study of the combustion parameters in a mural boiler. Fuel Processing Technology, 2005, 86, 1351-1368.	7.2	38
17	Use of energy crops for domestic heating with a mural boiler. Fuel Processing Technology, 2006, 87, 717-726.	7.2	38
18	Optimisation of ethanol fermentation of Jerusalem artichoke tuber juice using simple technology for a decentralised and sustainable ethanol production. Energy for Sustainable Development, 2015, 25, 34-39.	4.5	27

#	Article	IF	Citations
19	Energetic use of the tomato plant waste. Fuel Processing Technology, 2008, 89, 1193-1200.	7.2	26
20	Sunflower oil transesterification with methanol using immobilized lipase enzymes. Bioprocess and Biosystems Engineering, 2019, 42, 157-166.	3.4	25
21	Biodiesel and biolubricant production from different vegetable oils through transesterification. Engineering Reports, 2020, 2, e12190.	1.7	23
22	Biodiesel Production from Castor Oil by Two-Step Catalytic Transesterification: Optimization of the Process and Economic Assessment. Catalysts, 2019, 9, 864.	3.5	21
23	Combustion kinetics of agricultural wastes. Journal of Chemical Technology and Biotechnology, 1995, 64, 181-187.	3.2	17
24	Study of the Contributions of Nonâ€Specific and Specific Interactions during Fluoxetine Adsorption onto Activated Carbons. Clean - Soil, Air, Water, 2012, 40, 698-705.	1.1	11
25	Transesterification of Soybean Oil through Different Homogeneous Catalysts: Kinetic Study. Catalysts, 2022, 12, 146.	3.5	8
26	Lanthanum Effect on Ni/Al2O3 as a Catalyst Applied in Steam Reforming of Glycerol for Hydrogen Production. Processes, 2019, 7, 449.	2.8	7
27	Microwave Assisted Alkaline Pretreatment of Algae Waste in the Production of Cellulosic Bioethanol. Energies, 2021, 14, 5891.	3.1	7
28	Cultivation of Autochthonous Microalgae for Biomass Feedstock: Growth Curves and Biomass Characterization for Their Use in Biorefinery Products. Energies, 2021, 14, 4567.	3.1	6
29	Use of NaNO3/SiAl as Heterogeneous Catalyst for Fatty Acid Methyl Ester Production from Rapeseed Oil. Catalysts, 2021, 11, 1405.	3.5	5
30	Catalyzed gasification of active carbon by oxygen: influence of catalyst type, temperature, oxygen partial pressure and particle size. Journal of Chemical Technology and Biotechnology, 2000, 75, 213-222.	3.2	4
31	Catalyzed Steam Gasification of Cistus Ladanifer Biochar. Catalysts, 2020, 10, 1430.	3.5	4
32	Thermogravimetry of the Steam Gasification of Calluna vulgaris: Kinetic Study. Catalysts, 2021, 11, 657.	3.5	3