Jon Alvarez

List of Publications by Year in descending order

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37 papers	3,524 citations	147801 31 h-index	361022 35 g-index
40 all docs	40 docs citations	40 times ranked	3020 citing authors

#	Article	IF	Citations
1	The pyrolysis study of polybutadiene rubber under different structural and process parameters: comparison with polyvinyl chloride degradation. Journal of Thermal Analysis and Calorimetry, 2022, 147, 1237-1249.	3.6	1
2	Activity and stability of different Fe loaded primary catalysts for tar elimination. Fuel, 2022, 317, 123457.	6.4	12
3	Pyrolysis of plastic wastes in a fountain confined conical spouted bed reactor: Determination of stable operating conditions. Energy Conversion and Management, 2021, 229, 113768.	9.2	63
4	Waste tyre valorization by catalytic pyrolysis â€“ A review. Renewable and Sustainable Energy Reviews, 2020, 129, 109932.	16.4	169
5	Experimental study and modeling of biomass char gasification kinetics in a novel thermogravimetric flow reactor. Chemical Engineering Journal, 2020, 396, 125200.	12.7	31
6	Strategies to Improve Hazardous Waste Management at the Faculty of Engineering Vitoria-Gasteiz UPV/EHU. European Journal of Sustainable Development (discontinued), 2020, 9, 22.	0.9	2
7	Kinetic modeling and experimental validation of biomass fast pyrolysis in a conical spouted bed reactor. Chemical Engineering Journal, 2019, 373, 677-686.	12.7	42
8	Evolution of biomass char features and their role in the reactivity during steam gasification in a conical spouted bed reactor. Energy Conversion and Management, 2019, 181, 214-222.	9.2	51
9	Improving bio-oil properties through the fast co-pyrolysis of lignocellulosic biomass and waste tyres. Waste Management, 2019, 85, 385-395.	7.4	99
10	Advantages of confining the fountain in a conical spouted bed reactor for biomass steam gasification. Energy, 2018, 153, 455-463.	8.8	51
11	Valorization of citrus wastes by fast pyrolysis in a conical spouted bed reactor. Fuel, 2018, 224, 111-120.	6.4	103
12	Recent advances in the gasification of waste plastics. A critical overview. Renewable and Sustainable Energy Reviews, 2018, 82, 576-596.	16.4	506
13	Performance of a Ni/ZrO2 catalyst in the steam reforming of the volatiles derived from biomass pyrolysis. Journal of Analytical and Applied Pyrolysis, 2018, 136, 222-231.	5.5	35
14	Role of temperature on gasification performance and tar composition in a fountain enhanced conical spouted bed reactor. Energy Conversion and Management, 2018, 171, 1589-1597.	9.2	75
15	Bio-oil production. , 2018, , 173-202.		3
16	Steam reforming of different biomass tar model compounds over Ni/Al2O3 catalysts. Energy Conversion and Management, 2017, 136, 119-126.	9.2	147
17	Hydrogen-rich gas production by continuous pyrolysis and in-line catalytic reforming of pine wood waste and HDPE mixtures. Energy Conversion and Management, 2017, 136, 192-201.	9.2	109
18	Evaluation of the properties of tyre pyrolysis oils obtained in a conical spouted bed reactor. Energy, 2017, 128, 463-474.	8.8	94

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19	Assessment of a conical spouted with an enhanced fountain bed for biomass gasification. Fuel, 2017, 203, 825-831.	6.4	59
20	Waste truck-tyre processing by flash pyrolysis in a conical spouted bed reactor. Energy Conversion and Management, 2017, 142, 523-532.	9.2	141
21	Preparation of adsorbents from sewage sludge pyrolytic char by carbon dioxide activation. Chemical Engineering Research and Design, 2016, 103, 76-86.	5.6	51
22	Characterization of the bio-oil obtained by fast pyrolysis of sewage sludge in a conical spouted bed reactor. Fuel Processing Technology, 2016, 149, 169-175.	7.2	101
23	Steam reforming of plastic pyrolysis model hydrocarbons and catalyst deactivation. Applied Catalysis A: General, 2016, 527, 152-160.	4.3	42
24	Assessment of steam gasification kinetics of the char from lignocellulosic biomass in a conical spouted bed reactor. Energy, 2016, 107, 493-501.	8.8	60
25	A sequential process for hydrogen production based on continuous HDPE fast pyrolysis and in-line steam reforming. Chemical Engineering Journal, 2016, 296, 191-198.	12.7	115
26	Novel Niâ€“Mgâ€“Alâ€“Ca catalyst for enhanced hydrogen production for the pyrolysisâ€“gasification of a biomass/plastic mixture. Journal of Analytical and Applied Pyrolysis, 2015, 113, 15-21.	5.5	101
27	Fast co-pyrolysis of sewage sludge and lignocellulosic biomass in a conical spouted bed reactor. Fuel, 2015, 159, 810-818.	6.4	188
28	Physical Activation of Rice Husk Pyrolysis Char for the Production of High Surface Area Activated Carbons. Industrial & Engineering Chemistry Research, 2015, 54, 7241-7250.	3.7	96
29	Fast pyrolysis of eucalyptus waste in a conical spouted bed reactor. Bioresource Technology, 2015, 194, 225-232.	9.6	69
30	Sewage sludge valorization by flash pyrolysis in a conical spouted bed reactor. Chemical Engineering Journal, 2015, 273, 173-183.	12.7	161
31	Kinetic Study of Carbon Dioxide Gasification of Rice Husk Fast Pyrolysis Char. Energy & Fuels, 2015, 29, 3198-3207.	5.1	40
32	Bio-oil production from rice husk fast pyrolysis in a conical spouted bed reactor. Fuel, 2014, 128, 162-169.	6.4	263
33	Upgrading the rice husk char obtained by flash pyrolysis for the production of amorphous silica and high quality activated carbon. Bioresource Technology, 2014, 170, 132-137.	9.6	134
34	Hydrogen production from biomass and plastic mixtures by pyrolysis-gasification. International Journal of Hydrogen Energy, 2014, 39, 10883-10891.	7.1	210
35	Pyrolysis kinetics of forestry residues from the Portuguese Central Inland Region. Chemical Engineering Research and Design, 2013, 91, 2682-2690.	5.6	34
36	Flash pyrolysis of forestry residues from the Portuguese Central Inland Region within the framework of the BioREFINA-Ter project. Bioresource Technology, 2013, 129, 512-518.	9.6	62

#	Article	IF	Citations
37	Development of the Conical Spouted Bed Technology for Biomass and Waste Plastic Gasification. , 0, , .		0