

Jon Alvarez

List of Publications by Year in Descending Order

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Version: 2024-04-20

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

2,446
citations

28
h-index

37
g-index

37
ext. papers

2,973
ext. citations

8.8
avg, IF

5.35
L-index

#	Paper	IF	Citations
35	Activity and stability of different Fe loaded primary catalysts for tar elimination. <i>Fuel</i> , 2022 , 317, 123457-1	7.1	1
34	Pyrolysis of plastic wastes in a fountain confined conical spouted bed reactor: Determination of stable operating conditions. <i>Energy Conversion and Management</i> , 2021 , 229, 113768	10.6	20
33	Waste tyre valorization by catalytic pyrolysis A review. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 129, 109932	16.2	85
32	Experimental study and modeling of biomass char gasification kinetics in a novel thermogravimetric flow reactor. <i>Chemical Engineering Journal</i> , 2020 , 396, 125200	14.7	14
31	Kinetic modeling and experimental validation of biomass fast pyrolysis in a conical spouted bed reactor. <i>Chemical Engineering Journal</i> , 2019 , 373, 677-686	14.7	28
30	Evolution of biomass char features and their role in the reactivity during steam gasification in a conical spouted bed reactor. <i>Energy Conversion and Management</i> , 2019 , 181, 214-222	10.6	36
29	Improving bio-oil properties through the fast co-pyrolysis of lignocellulosic biomass and waste tyres. <i>Waste Management</i> , 2019 , 85, 385-395	8.6	67
28	Advantages of confining the fountain in a conical spouted bed reactor for biomass steam gasification. <i>Energy</i> , 2018 , 153, 455-463	7.9	34
27	Valorization of citrus wastes by fast pyrolysis in a conical spouted bed reactor. <i>Fuel</i> , 2018 , 224, 111-120	7.1	72
26	Recent advances in the gasification of waste plastics. A critical overview. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 576-596	16.2	288
25	Role of temperature on gasification performance and tar composition in a fountain enhanced conical spouted bed reactor. <i>Energy Conversion and Management</i> , 2018 , 171, 1589-1597	10.6	47
24	Bio-oil production 2018 , 173-202		1
23	Performance of a Ni/ZrO ₂ catalyst in the steam reforming of the volatiles derived from biomass pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018 , 136, 222-231	6	24
22	Steam reforming of different biomass tar model compounds over Ni/Al ₂ O ₃ catalysts. <i>Energy Conversion and Management</i> , 2017 , 136, 119-126	10.6	111
21	Hydrogen-rich gas production by continuous pyrolysis and in-line catalytic reforming of pine wood waste and HDPE mixtures. <i>Energy Conversion and Management</i> , 2017 , 136, 192-201	10.6	77
20	Evaluation of the properties of tyre pyrolysis oils obtained in a conical spouted bed reactor. <i>Energy</i> , 2017 , 128, 463-474	7.9	69
19	Assessment of a conical spouted with an enhanced fountain bed for biomass gasification. <i>Fuel</i> , 2017 , 203, 825-831	7.1	39

18	Waste truck-tyre processing by flash pyrolysis in a conical spouted bed reactor. <i>Energy Conversion and Management</i> , 2017 , 142, 523-532	10.6	99
17	Steam reforming of plastic pyrolysis model hydrocarbons and catalyst deactivation. <i>Applied Catalysis A: General</i> , 2016 , 527, 152-160	5.1	32
16	Assessment of steam gasification kinetics of the char from lignocellulosic biomass in a conical spouted bed reactor. <i>Energy</i> , 2016 , 107, 493-501	7.9	53
15	A sequential process for hydrogen production based on continuous HDPE fast pyrolysis and in-line steam reforming. <i>Chemical Engineering Journal</i> , 2016 , 296, 191-198	14.7	78
14	Preparation of adsorbents from sewage sludge pyrolytic char by carbon dioxide activation. <i>Chemical Engineering Research and Design</i> , 2016 , 103, 76-86	5.5	43
13	Characterization of the bio-oil obtained by fast pyrolysis of sewage sludge in a conical spouted bed reactor. <i>Fuel Processing Technology</i> , 2016 , 149, 169-175	7.2	87
12	Fast co-pyrolysis of sewage sludge and lignocellulosic biomass in a conical spouted bed reactor. <i>Fuel</i> , 2015 , 159, 810-818	7.1	134
11	Physical Activation of Rice Husk Pyrolysis Char for the Production of High Surface Area Activated Carbons. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 7241-7250	3.9	71
10	Fast pyrolysis of eucalyptus waste in a conical spouted bed reactor. <i>Bioresource Technology</i> , 2015 , 194, 225-32	11	54
9	Sewage sludge valorization by flash pyrolysis in a conical spouted bed reactor. <i>Chemical Engineering Journal</i> , 2015 , 273, 173-183	14.7	139
8	Kinetic Study of Carbon Dioxide Gasification of Rice Husk Fast Pyrolysis Char. <i>Energy & Fuels</i> , 2015 , 29, 3198-3207	4.1	30
7	Novel NiMgAlCa catalyst for enhanced hydrogen production for the pyrolysis-gasification of a biomass/plastic mixture. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015 , 113, 15-21	6	73
6	Bio-oil production from rice husk fast pyrolysis in a conical spouted bed reactor. <i>Fuel</i> , 2014 , 128, 162-169	7.1	211
5	Upgrading the rice husk char obtained by flash pyrolysis for the production of amorphous silica and high quality activated carbon. <i>Bioresource Technology</i> , 2014 , 170, 132-137	11	108
4	Hydrogen production from biomass and plastic mixtures by pyrolysis-gasification. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 10883-10891	6.7	138
3	Pyrolysis kinetics of forestry residues from the Portuguese Central Inland Region. <i>Chemical Engineering Research and Design</i> , 2013 , 91, 2682-2690	5.5	31
2	Flash pyrolysis of forestry residues from the Portuguese Central Inland Region within the framework of the BioREFINA-Ter project. <i>Bioresource Technology</i> , 2013 , 129, 512-8	11	51
1	The pyrolysis study of polybutadiene rubber under different structural and process parameters: comparison with polyvinyl chloride degradation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 111, 1-10	4.1	1

