Miguel J FernÃ¡ndez

List of Publications by Year
in descending order

22 papers	943 citations	623574 14 h-index	677027 22 g-index
22 all docs	22 docs citations	22 times ranked	1141 citing authors

#	Article	IF	Citations
1	Comparing methods for predicting the sintering of biomass ash in combustion. Fuel, 2005, 84, 1893-1900.	3.4	129
2	Study on the effects of raw materials composition and pelletization conditions on the quality and properties of pellets obtained from different woody and non woody biomasses. Fuel, 2015, 139, 629-636.	3.4	111
3	The effect of the addition of chemical materials on the sintering of biomass ash. Fuel, 2008, 87, 2651-2658.	3.4	93
4	Combustion in bubbling fluidised bed with bed material of limestone to reduce the biomass ash agglomeration and sintering. Fuel, 2006, 85, 2081-2092.	3.4	84
5	Optimization of pelletisation and combustion in a boiler of 17.5ÂkWth for vine shoots and industrial cork residue. Fuel Processing Technology, 2009, 90, 621-628.	3.7	76
6	Particle density determination of pellets and briquettes. Biomass and Bioenergy, 2006, 30, 954-963.	2.9	70
7	Inorganic matter characterization in vegetable biomass feedstocks1. Fuel, 2002, 81, 1161-1169.	3.4	67
8	Ash behaviour of lignocellulosic biomass in bubbling fluidised bed combustion. Fuel, 2006, 85, 1157-1165.	3.4	63
9	Classification and characterisation of SRF produced from different flows of processed MSW in the Navarra region and its co-combustion performance with olive tree pruning residues. Waste Management, 2016, 47, 206-216.	3.7	41
10	Optimisation of pelletisation conditions for poplar energy crop. Fuel Processing Technology, 2012, 104, 7-15.	3.7	39
11	Concentration of elements in woody and herbaceous biomass as a function of the dry ashing temperature. Fuel, 2006, 85, 1273-1279.	3.4	36
12	Suitability of thermo-chemical corrections for determining gross calorific value in biomass. Thermochimica Acta, 2008, 468, 101-107.	1.2	35
13	Sintering reduction of herbaceous biomass when blended with woody biomass: predictive and combustion tests. Fuel, 2019, 239, 1115-1124.	3.4	21
14	Quality of olive stone as a fuel: Influence of oil content on combustion process. Renewable Energy, 2020, 160, 374-384.	4.3	15
15	Influence of the amount of bed material on the distribution of biomass inorganic elements in a bubbling fluidised bed combustion pilot plant. Fuel, 2007, 86, 867-876.	3.4	14
16	Production and composition of biomass from short rotation coppice in marginal land: A 9-year study. Biomass and Bioenergy, 2020, 134, 105478.	2.9	13
17	Influence of the agricultural management practices on the yield and quality of poplar biomass (a) Tj ETQq1 1 0.784314 rgBT /Overloc	2.9	12
18	Biofuels from broom clearings: Production and combustion in commercial boilers. Energy, 2017, 141, 1845-1856.	4.5	8

#	ARTICLE	IF	CITATIONS
19	Effect of mechanical harvesting on the chemical composition and combustion behaviour of shrub biomass. Energy, 2020, 204, 117928.	4.5	7
20	Thermochemical assessment of Nicotiana glauca, Panicum virgatum and Elytrigia elongata as fuels for energy recovery through gasification. Fuel, 2018, 225, 71-79.	3.4	4
21	Nutrient Release through Litterfall in Short Rotation Poplar Crops in Mediterranean Marginal Land. Forests, 2021, 12, 1185.	0.9	3
22	Strategy for the Design of Waste to Energy Processes Based on Physicochemical Characterisation. Waste and Biomass Valorization, 2020, 11, 2961-2971.	1.8	2