

Miriam Rabacal

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

866
citations

516215

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23
all docs

23
docs citations

23
times ranked

838
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship between fuel quality and gaseous and particulate matter emissions in a domestic pellet-fired boiler. <i>Fuel</i> , 2014, 119, 141-152.	3.4	127
2	Combustion and emission characteristics of a domestic boiler fired with pellets of pine, industrial wood wastes and peach stones. <i>Renewable Energy</i> , 2013, 51, 220-226.	4.3	88
3	Flamelet LES of a semi-industrial pulverized coal furnace. <i>Combustion and Flame</i> , 2016, 173, 39-56.	2.8	78
4	Flamelet LES modeling of coal combustion with detailed devolatilization by directly coupled CPD. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 2181-2189.	2.4	76
5	Large Eddy Simulation of coal combustion in a large-scale laboratory furnace. <i>Proceedings of the Combustion Institute</i> , 2015, 35, 3609-3617.	2.4	71
6	A combined genetic algorithm and least squares fitting procedure for the estimation of the kinetic parameters of the pyrolysis of agricultural residues. <i>Energy Conversion and Management</i> , 2016, 125, 290-300.	4.4	64
7	Effect of gas temperature and oxygen concentration on single particle ignition behavior of biomass fuels. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 2235-2242.	2.4	59
8	Ignition behavior of Turkish biomass and lignite fuels at low and high heating rates. <i>Fuel</i> , 2017, 207, 154-164.	3.4	50
9	Effects of potassium and calcium on the early stages of combustion of single biomass particles. <i>Fuel</i> , 2017, 209, 787-794.	3.4	39
10	Numerical simulation of ignition mode and ignition delay time of pulverized biomass particles. <i>Combustion and Flame</i> , 2019, 206, 400-410.	2.8	31
11	Unresolved Issues on the Kinetic Modeling of Pyrolysis of Woody and Nonwoody Biomass Fuels. <i>Energy & Fuels</i> , 2017, 31, 4035-4044.	2.5	29
12	Highly resolved flamelet LES of a semi-industrial scale coal furnace. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 3371-3379.	2.4	24
13	Review of Pulverized Combustion of Non-Woody Residues. <i>Energy & Fuels</i> , 2018, 32, 4069-4095.	2.5	22
14	Slow pyrolysis of xylan as pentose model compound for hardwood hemicellulose: A study of the catalytic effect of Na ions. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 137, 266-275.	2.6	22
15	Effect of steam on the single particle ignition of solid fuels in a drop tube furnace under air and simulated oxy-fuel conditions. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 2977-2985.	2.4	20
16	Modeling the impact of the presence of KCl on the slow pyrolysis of cellulose. <i>Fuel</i> , 2018, 215, 57-65.	3.4	19
17	Role of Potassium and Calcium on the Combustion Characteristics of Biomass Obtained from Thermogravimetric Experiments. <i>Energy & Fuels</i> , 2017, 31, 12238-12246.	2.5	14
18	A Large Eddy Simulation Study on the Effect of Devolatilization Modelling and Char Combustion Mode Modelling on the Structure of a Large-Scale, Biomass and Coal Co-Fired Flame. <i>Journal of Combustion</i> , 2018, 2018, 1-15.	0.5	10

#	ARTICLE	IF	CITATIONS
19	Direct observations of single particle fragmentation in the early stages of combustion under dry and wet conventional and oxy-fuel conditions. Proceedings of the Combustion Institute, 2019, 37, 3005-3012.	2.4	8
20	Spontaneous Emission Measurements of Selected Alkali Radicals during the Combustion of a Single Biomass Pellet. Energy & Fuels, 2018, 32, 10132-10143.	2.5	5
21	Particle history from massively parallel large eddy simulations of pulverised coal combustion in a large-scale laboratory furnace. Fuel, 2020, 271, 117587.	3.4	5
22	Particulate Emissions from the Combustion of Biomass Pellets. WIT Transactions on State-of-the-art in Science and Engineering, 2015, , 101-135.	0.0	2