

Juan Rianza

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,442
citations

471061

17
h-index

713013

21
g-index

23
all docs

23
docs citations

23
times ranked

1120
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape and size transformations of biomass particles during combustion. Fuel, 2020, 261, 116334.	3.4	25
2	Reclamation of ultra-fine coal with scenedesmus microalgae and comprehensive combustion property of the Coalgae [®] composite. Journal of Energy in Southern Africa, 2020, 31, 14-27.	0.5	7
3	High temperature volatile yield and nitrogen partitioning during pyrolysis of coal and biomass fuels. Fuel, 2019, 248, 215-220.	3.4	31
4	A study on the reactivity of various chars from Turkish fuels obtained at high heating rates. Fuel Processing Technology, 2019, 185, 91-99.	3.7	15
5	Ignition and combustion of single particles of coal and biomass. Fuel, 2017, 202, 650-655.	3.4	90
6	Combustion of Turkish lignites and olive residue: Experiments and kinetic modelling. Fuel, 2017, 203, 868-876.	3.4	37
7	Ignition and Combustion of Single Particles of Coal and Biomass under O ₂ /CO ₂ Atmospheres. Energy Procedia, 2017, 114, 6067-6073.	1.8	16
8	Biomass devolatilization at high temperature under N ₂ and CO ₂ : Char morphology and reactivity. Energy, 2015, 91, 655-662.	4.5	109
9	Biomass co-firing under oxy-fuel conditions: A computational fluid dynamics modelling study and experimental validation. Fuel Processing Technology, 2014, 120, 22-33.	3.7	65
10	Single particle ignition and combustion of anthracite, semi-anthracite and bituminous coals in air and simulated oxy-fuel conditions. Combustion and Flame, 2014, 161, 1096-1108.	2.8	174
11	Combustion of single biomass particles in air and in oxy-fuel conditions. Biomass and Bioenergy, 2014, 64, 162-174.	2.9	138
12	CFD modeling of oxy-coal combustion: Prediction of burnout, volatile and NO precursors release. Applied Energy, 2013, 104, 653-665.	5.1	59
13	Oxy-coal combustion in an entrained flow reactor: Application of specific char and volatile combustion and radiation models for oxy-firing conditions. Energy, 2013, 62, 255-268.	4.5	44
14	Ignition and NO Emissions of Coal and Biomass Blends under Different Oxy-fuel Atmospheres. Energy Procedia, 2013, 37, 1405-1412.	1.8	19
15	Ignition behavior of coal and biomass blends under oxy-firing conditions with steam additions. , 2013, 3, 397-414.		14
16	Kinetic models for the oxy-fuel combustion of coal and coal/biomass blend chars obtained in N ₂ and CO ₂ atmospheres. Energy, 2012, 48, 510-518.	4.5	86
17	A study of oxy-coal combustion with steam addition and biomass blending by thermogravimetric analysis. Journal of Thermal Analysis and Calorimetry, 2012, 109, 49-55.	2.0	56
18	Numerical investigation of NO emissions from an entrained flow reactor under oxy-coal conditions. Fuel Processing Technology, 2012, 93, 53-64.	3.7	17

#	ARTICLE	IF	CITATIONS
19	Oxy-fuel combustion kinetics and morphology of coal chars obtained in N ₂ and CO ₂ atmospheres in an entrained flow reactor. <i>Applied Energy</i> , 2012, 91, 67-74.	5.1	97
20	Oxy-fuel combustion of coal and biomass blends. <i>Energy</i> , 2012, 41, 429-435.	4.5	144
21	Effect of oxy-fuel combustion with steam addition on coal ignition and burnout in an entrained flow reactor. <i>Energy</i> , 2011, 36, 5314-5319.	4.5	105
22	NO emissions in oxy-coal combustion with the addition of steam in an entrained flow reactor. , 2011, 1, 180-190.		38
23	CFD modelling of oxy-coal combustion in an entrained flow reactor. <i>Fuel Processing Technology</i> , 2011, 92, 1489-1497.	3.7	56