

# Juan Rianza

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2194069/publications.pdf>

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	Single particle ignition and combustion of anthracite, semi-anthracite and bituminous coals in air and simulated oxy-fuel conditions. <i>Combustion and Flame</i> , 2014, 161, 1096-1108.	2.8	174
2	Oxy-fuel combustion of coal and biomass blends. <i>Energy</i> , 2012, 41, 429-435.	4.5	144
3	Combustion of single biomass particles in air and in oxy-fuel conditions. <i>Biomass and Bioenergy</i> , 2014, 64, 162-174.	2.9	138
4	Biomass devolatilization at high temperature under N <sub>2</sub> and CO <sub>2</sub> : Char morphology and reactivity. <i>Energy</i> , 2015, 91, 655-662.	4.5	109
5	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
6	Oxy-fuel combustion kinetics and morphology of coal chars obtained in N <sub>2</sub> and CO <sub>2</sub> atmospheres in an entrained flow reactor. <i>Applied Energy</i> , 2012, 91, 67-74.	5.1	97
7	Ignition and combustion of single particles of coal and biomass. <i>Fuel</i> , 2017, 202, 650-655.	3.4	90
8	Kinetic models for the oxy-fuel combustion of coal and coal/biomass blend chars obtained in N <sub>2</sub> and CO <sub>2</sub> atmospheres. <i>Energy</i> , 2012, 48, 510-518.	4.5	86
9	Biomass co-firing under oxy-fuel conditions: A computational fluid dynamics modelling study and experimental validation. <i>Fuel Processing Technology</i> , 2014, 120, 22-33.	3.7	65
10	CFD modeling of oxy-coal combustion: Prediction of burnout, volatile and NO precursors release. <i>Applied Energy</i> , 2013, 104, 653-665.	5.1	59
11	CFD modelling of oxy-coal combustion in an entrained flow reactor. <i>Fuel Processing Technology</i> , 2011, 92, 1489-1497.	3.7	56
12	A study of oxy-coal combustion with steam addition and biomass blending by thermogravimetric analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 109, 49-55.	2.0	56
13	Oxy-coal combustion in an entrained flow reactor: Application of specific char and volatile combustion and radiation models for oxy-firing conditions. <i>Energy</i> , 2013, 62, 255-268.	4.5	44
14	NO emissions in oxy-coal combustion with the addition of steam in an entrained flow reactor. , 2011, 1, 180-190.		38
15	Combustion of Turkish lignites and olive residue: Experiments and kinetic modelling. <i>Fuel</i> , 2017, 203, 868-876.	3.4	37
16	High temperature volatile yield and nitrogen partitioning during pyrolysis of coal and biomass fuels. <i>Fuel</i> , 2019, 248, 215-220.	3.4	31
17	Shape and size transformations of biomass particles during combustion. <i>Fuel</i> , 2020, 261, 116334.	3.4	25
18	Ignition and NO Emissions of Coal and Biomass Blends under Different Oxy-fuel Atmospheres. <i>Energy Procedia</i> , 2013, 37, 1405-1412.	1.8	19

#	ARTICLE	IF	CITATIONS
19	Numerical investigation of NO emissions from an entrained flow reactor under oxy-coal conditions. Fuel Processing Technology, 2012, 93, 53-64.	3.7	17
20	Ignition and Combustion of Single Particles of Coal and Biomass under O <sub>2</sub> /CO <sub>2</sub> Atmospheres. Energy Procedia, 2017, 114, 6067-6073.	1.8	16
21	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
22	Ignition behavior of coal and biomass blends under oxy-firing conditions with steam additions. , 2013, 3, 397-414.		14
23	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