

Miguel Angel Pans Castillo

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

534
citations

1040056

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h-index

1281871

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all docs

11
docs citations

11
times ranked

587
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxy-fuel combustion study of biomass fuels in a 20â€kWh fluidized bed combustor. <i>Fuel</i> , 2018, 215, 778-786.	6.4	124
2	Hydrogen production with CO ₂ capture by coupling steam reforming of methane and chemical-looping combustion: Use of an iron-based waste product as oxygen carrier burning a PSA tail gas. <i>Journal of Power Sources</i> , 2011, 196, 4370-4381.	7.8	97
3	Experimental investigation of woody and non-woody biomass combustion in a bubbling fluidised bed combustor focusing on gaseous emissions and temperature profiles. <i>Energy</i> , 2017, 141, 2069-2080.	8.8	74
4	Testing of a highly reactive impregnated Fe ₂ O ₃ /Al ₂ O ₃ oxygen carrier for a SRâ€CLC system in a continuous CLC unit. <i>Fuel Processing Technology</i> , 2012, 96, 37-47.	7.2	67
5	Performance of a low-cost iron ore as an oxygen carrier for Chemical Looping Combustion of gaseous fuels. <i>Chemical Engineering Research and Design</i> , 2015, 93, 736-746.	5.6	49
6	Use of chemically and physically mixed iron and nickel oxides as oxygen carriers for gas combustion in a CLC process. <i>Fuel Processing Technology</i> , 2013, 115, 152-163.	7.2	44
7	Optimization of H ₂ production with CO ₂ capture by steam reforming of methane integrated with a chemical-looping combustion system. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 11878-11892.	7.1	34
8	An investigation of lime addition to fuel as a countermeasure to bed agglomeration for the combustion of non-woody biomass fuels in a 20kWh bubbling fluidised bed combustor. <i>Fuel</i> , 2019, 240, 349-361.	6.4	25
9	Experimental investigations on the chlorine-induced corrosion of HVOF thermal sprayed Stellite-6 and NiAl coatings with fluidised bed biomass/anthracite combustion systems. <i>Fuel</i> , 2021, 288, 119607.	6.4	13
10	Evaluation of a highly reactive and sulfur resistant synthetic Fe-based oxygen carrier for CLC using gaseous fuels. <i>Energy Procedia</i> , 2013, 37, 580-587.	1.8	4
11	Effectiveness of bed additives in abating agglomeration during biomass air/oxy combustion in a fluidised bed combustor. <i>Renewable Energy</i> , 2022, 185, 945-958.	8.9	3