

Reginald E Mitchell

List of Publications by Year in descending order

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papers

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840776

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16
docs citations

16
times ranked

413
citing authors

#	ARTICLE	IF	CITATIONS
1	On the burning behavior of pulverized coal chars. <i>Combustion and Flame</i> , 2007, 151, 426-436.	5.2	99
2	Coal and biomass char reactivities in gasification and combustion environments. <i>Combustion and Flame</i> , 2015, 162, 3220-3235.	5.2	52
3	Characterization of coal char and biomass char reactivities to oxygen. <i>Proceedings of the Combustion Institute</i> , 2002, 29, 519-526.	3.9	49
4	The conversion mode of a porous carbon particle during oxidation and gasification. <i>Combustion and Flame</i> , 2014, 161, 612-619.	5.2	40
5	Modeling char oxidation behavior under Zone II burning conditions at elevated pressures. <i>Combustion and Flame</i> , 2009, 156, 37-50.	5.2	37
6	Devolatilization kinetics of woody biomass at short residence times and high heating rates and peak temperatures. <i>Applied Energy</i> , 2016, 162, 245-256.	10.1	35
7	Modeling of CO ₂ gasification of carbon for integration with solid oxide fuel cells. <i>AIChE Journal</i> , 2009, 55, 983-992.	3.6	31
8	A comprehensive model for char particle conversion in environments containing O ₂ and CO ₂ . <i>Combustion and Flame</i> , 2015, 162, 1455-1463.	5.2	27
9	Extension of apparent devolatilization kinetics from thermally thin to thermally thick particles in zero dimensions for woody biomass. <i>Energy</i> , 2016, 95, 279-290.	8.8	27
10	High Heating Rate Devolatilization Kinetics of Pulverized Biomass Fuels. <i>Energy & Fuels</i> , 2018, 32, 12955-12961.	5.1	12
11	Comprehensive Char Particle Gasification Model Adequate for Entrained-Flow and Fluidized-Bed Gasifiers. <i>Energy & Fuels</i> , 2017, 31, 2164-2174.	5.1	11
12	Numerical approaches for thermochemical conversion of char. <i>Progress in Energy and Combustion Science</i> , 2022, 91, 100993.	31.2	11
13	Impact of Co-firing Coal and Biomass on Mixed Char Reactivity under Gasification Conditions. <i>Energy & Fuels</i> , 2016, 30, 1708-1719.	5.1	10
14	Modeling radiation in particle clouds: on the importance of inter-particle radiation for pulverized solid fuel combustion. <i>Heat and Mass Transfer</i> , 2015, 51, 991-999.	2.1	5
15	Insights into Sulfur Uptake by Solid Sorbents from Fossil Fuels and Biomass: Revisiting the Ternary Diagrams. <i>Energy & Fuels</i> , 2018, 32, 12066-12080.	5.1	4