

# Reginald E Mitchell

## List of Publications by Year in descending order

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