Aekjuthon Phounglamcheik

List of Publications by Year
in descending order

12 papers	337 citations	1163117 8 h-index	1199594 12 g-index
12 all docs	12 docs citations	12 times ranked	442 citing authors

#	Article	IF	Citations
1	Use of biomass in integrated steelmaking â€“ Status quo, future needs and comparison to other low-CO2 steel production technologies. Applied Energy, 2018, 213, 384-407.	10.1	147
2	Modeling and pilot plant runs of slow biomass pyrolysis in a rotary kiln. Applied Energy, 2017, 207, 123-133.	10.1	49
3	Effects of Pyrolysis Conditions and Feedstocks on the Properties and Gasification Reactivity of Charcoal from Woodchips. Energy & Fuels, 2020, 34, 8353-8365.	5.1	36
4	Slow pyrolysis of by-product lignin from wood-based ethanol productionâ€“ A detailed analysis of the produced chars. Energy, 2018, 164, 112-123.	8.8	30
5	Effect of calcium dispersion and graphitization during high-temperature pyrolysis of beech wood char on the gasification rate with CO2. Fuel, 2021, 283, 118826.	6.4	20
6	Increasing Efficiency of Charcoal Production with Bio-Oil Recycling. Energy & Fuels, 2018, 32, 9650-9658.	5.1	18
7	Pyrolysis of Wood in a Rotary Kiln Pyrolyzer: Modeling and Pilot Plant Trials. Energy Procedia, 2017, 105, 908-913.	1.8	10
8	Flammability and mechanical properties of biochars made in different pyrolysis reactors. Biomass and Bioenergy, 2021, 152, 106197.	5.7	8
9	The significance of intraparticle and interparticle diffusion during CO2 gasification of biomass char in a packed bed. Fuel, 2022, 310, 122302.	6.4	8
10	CO₂ Gasification Reactivity of Char from High-Ash Biomass. ACS Omega, 2021, 6, 34115-34128.	3.5	8
11	A Shortcut Method to Predict Particle Size Changes during Char Combustion and Gasification under regime II Conditions. Combustion Science and Technology, 2022, 194, 272-291.	2.3	2
12	Self-Heating of Biochar during Postproduction Storage by O2 Chemisorption at Low Temperatures. Energies, 2022, 15, 380.	3.1	1