

Gorkem Kulah

List of Publications by Year in descending order

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papers

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all docs

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docs citations

38
times ranked

341
citing authors

#	ARTICLE	IF	CITATIONS
1	Flow behavior and regime transition in a high-density circulating fluidized bed riser. <i>Chemical Engineering Science</i> , 2004, 59, 3955-3963.	3.8	81
2	Flow structure and thickness of annular downflow layer in a circulating fluidized bed riser. <i>Powder Technology</i> , 2004, 142, 48-58.	4.2	38
3	Flow structure characterization in conical spouted beds using pressure fluctuation signals. <i>Powder Technology</i> , 2015, 269, 392-400.	4.2	34
4	Characterization of gas-solid flow in conical spouted beds operating with heavy particles. <i>Experimental Thermal and Fluid Science</i> , 2012, 40, 132-139.	2.7	29
5	Radiative heat transfer in strongly forward scattering media of circulating fluidized bed combustors. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 182, 264-276.	2.3	23
6	A new correlation for minimum spouting velocity for conical spouted beds operating with high density particles. <i>Experimental Thermal and Fluid Science</i> , 2018, 96, 358-370.	2.7	23
7	Particle Velocity, Solids Hold-Up, and Solids Flux Distributions in Conical Spouted Beds Operating with Heavy Particles. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 3131-3138.	3.7	19
8	Influence of spectral particle properties on radiative heat transfer in optically thin and thick media of fluidized bed combustors. <i>International Journal of Thermal Sciences</i> , 2017, 122, 266-280.	4.9	18
9	Significance of particle concentration distribution on radiative heat transfer in circulating fluidized bed combustors. <i>International Journal of Heat and Mass Transfer</i> , 2018, 117, 58-70.	4.8	18
10	Influence of fly ash composition on non-gray particle radiation in combusting systems. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 215, 25-40.	2.3	18
11	Early Detection of Agglomeration in Conical Spouted Beds Using Recurrence Plots. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 7179-7190.	3.7	17
12	Monitoring of liquid sprayed conical spouted beds by recurrence plots. <i>Powder Technology</i> , 2017, 316, 148-156.	4.2	16
13	Investigation and scale-up of hot-melt coating of pharmaceuticals in fluidized beds. <i>Powder Technology</i> , 2011, 208, 175-184.	4.2	15
14	Detecting stability of conical spouted beds based on information entropy theory. <i>Powder Technology</i> , 2019, 343, 185-193.	4.2	15
15	CFD Simulations of Hydrodynamics of Conical Spouted Bed Nuclear Fuel Coaters. <i>Chemical Vapor Deposition</i> , 2015, 21, 122-132.	1.3	14
16	Assessment of gas radiative property models in the presence of nongray particles. <i>Numerical Heat Transfer; Part A: Applications</i> , 2018, 73, 385-407.	2.1	14
17	Surface-to-bed heat transfer for high-density particles in conical spouted and spout-fluid beds. <i>Particuology</i> , 2019, 42, 35-47.	3.6	12
18	Assessment of improved banded model for spectral thermal radiation in presence of non-gray particles in fluidized bed combustors. <i>Applied Thermal Engineering</i> , 2020, 176, 115322.	6.0	12

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19	A Comprehensive Fluidized Bed Combustion Model Coupled with a Radiation Model. <i>Combustion Science and Technology</i> , 2008, 180, 910-926.	2.3	9
20	Validation of a FBC model for co-firing of hazelnut shell with lignite against experimental data. <i>Experimental Thermal and Fluid Science</i> , 2010, 34, 646-655.	2.7	9
21	Effect of kaolin addition on alkali capture capability during combustion of olive residue. <i>Combustion Science and Technology</i> , 2019, 191, 43-53.	2.3	9
22	Benchmarking grey particle approximations against nongrey particle radiation in circulating fluidized bed combustors. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2017, 71, 467-484.	0.9	8
23	Influence of gray particle assumption on the predictive accuracy of gas property approximations. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 220, 67-83.	2.3	8
24	Assessment of SLW-1 model in the presence of gray and non-gray particles. <i>International Journal of Thermal Sciences</i> , 2019, 136, 420-432.	4.9	7
25	Comparison Between Combustion Behavior of Solid Fuels and Their Chars Under Oxy-Fuel Conditions. <i>Combustion Science and Technology</i> , 2014, 186, 398-408.	2.3	6
26	Effect of changing biomass source on radiative heat transfer during co-firing of high-sulfur content lignite in fluidized bed combustors. <i>Applied Thermal Engineering</i> , 2018, 128, 539-550.	6.0	6
27	Performance of banded SLW-1 in presence of non-gray walls and particles in fluidized bed combustors. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 257, 107370.	2.3	5
28	Design assessment of a 150kWt CFBC Test Unit. <i>Experimental Thermal and Fluid Science</i> , 2010, 34, 275-281.	2.7	4
29	Mathematical Modeling of a Bubbling Fluidized Bed Combustor Cofired with Lignite and Biomass. <i>Combustion Science and Technology</i> , 2010, 182, 600-612.	2.3	4
30	Gas velocity distribution in conical spouted beds with high-density particles. <i>Canadian Journal of Chemical Engineering</i> , 2021, 99, 1607-1615.	1.7	4
31	CFD-DEM Simulation of a Conical Spouted Bed Operating with High Density Particles. <i>Springer Proceedings in Physics</i> , 2017, , 947-955.	0.2	3
32	Performance and validation of a radiation model coupled with a transient bubbling fluidized bed combustion model. <i>International Journal of Thermal Sciences</i> , 2022, 176, 107496.	4.9	3
33	Effect of limestone addition on radiative heat transfer during co-firing of high-sulfur content lignite with biomass in fluidized bed combustors. <i>Combustion Science and Technology</i> , 2018, 190, 1377-1391.	2.3	2
34	Thermal stability and SO ₂ resistance of Pd/Rh-perovskite based three-way catalyst wash-coated on cordierite monoliths. <i>Chemical Engineering Communications</i> , 2023, 210, 205-222.	2.6	2
35	Modeling of Fluidized Bed Combustion of Lignite with High Nitrogen Content Cotton Residue. <i>Combustion Science and Technology</i> , 2019, , 1-14.	2.3	1
36	Influence of bag filter ash to spectral thermal radiation in fluidized bed combustors co-fired with biomass. <i>International Journal of Thermal Sciences</i> , 2021, 167, 107012.	4.9	1

#	ARTICLE	IF	CITATIONS
37	Comment on "Deciphering conical spouted bed hydrodynamics using high intensity microphone"; Nuclear Engineering and Design, 2019, 353, 110242.	1.7	0
38	Influence of soot on radiative heat transfer in bubbling fluidized bed combustors. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 270, 107711.	2.3	0