# Gorkem Kulah

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5867163/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 38 papers | 507 citations | 623734 14 h-index | 713466 21 g-index |
| 38 all docs | 38 docs citations | 38 times ranked | 341 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Thermal stability and SO<sub>2</sub> resistance of Pd/Rh-perovskite based three-way catalyst wash-coated on cordierite monoliths. Chemical Engineering Communications, 2023, 210, 205-222. | 2.6 | 2 |
| 2 | Performance and validation of a radiation model coupled with a transient bubbling fluidized bed combustion model. International Journal of Thermal Sciences, 2022, 176, 107496. | 4.9 | 3 |
| 3 | Gas velocity distribution in conical spouted beds with highâ€density particles. Canadian Journal of Chemical Engineering, 2021, 99, 1607-1615. | 1.7 | 4 |
| 4 | 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 |
| 5 | Influence of bag filter ash to spectral thermal radiation in fluidized bed combustors co-fired with biomass. International Journal of Thermal Sciences, 2021, 167, 107012. | 4.9 | 1 |
| 6 | Performance of banded SLW-1 in presence of non-gray walls and particles in fluidized bed combustors. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 257, 107370. | 2.3 | 5 |
| 7 | Assessment of improved banded model for spectral thermal radiation in presence of non-gray particles in fluidized bed combustors. Applied Thermal Engineering, 2020, 176, 115322. | 6.0 | 12 |
| 8 | Effect of kaolin addition on alkali capture capability during combustion of olive residue. Combustion Science and Technology, 2019, 191, 43-53. | 2.3 | 9 |
| 9 | Comment on â€œDeciphering conical spouted bed hydrodynamics using high intensity microphoneâ€• Nuclear Engineering and Design, 2019, 353, 110242. | 1.7 | 0 |
| 10 | Modeling of Fluidized Bed Combustion of Lignite with High Nitrogen Content Cotton Residue. Combustion Science and Technology, 2019, , 1-14. | 2.3 | 1 |
| 11 | Detecting stability of conical spouted beds based on information entropy theory. Powder Technology, 2019, 343, 185-193. | 4.2 | 15 |
| 12 | Assessment of SLW-1 model in the presence of gray and non-gray particles. International Journal of Thermal Sciences, 2019, 136, 420-432. | 4.9 | 7 |
| 13 | Surface-to-bed heat transfer for high-density particles in conical spouted and spoutâ€“fluid beds. Particuology, 2019, 42, 35-47. | 3.6 | 12 |
| 14 | Effect of limestone addition on radiative heat transfer during co-firing of high-sulfur content lignite with biomass in fluidized bed combustors. Combustion Science and Technology, 2018, 190, 1377-1391. | 2.3 | 2 |
| 15 | A new correlation for minimum spouting velocity for conical spouted beds operating with high density particles. Experimental Thermal and Fluid Science, 2018, 96, 358-370. | 2.7 | 23 |
| 16 | Assessment of gas radiative property models in the presence of nongray particles. Numerical Heat Transfer; Part A: Applications, 2018, 73, 385-407. | 2.1 | 14 |
| 17 | Effect of changing biomass source on radiative heat transfer during co-firing of high-sulfur content lignite in fluidized bed combustors. Applied Thermal Engineering, 2018, 128, 539-550. | 6.0 | 6 |
| 18 | Significance of particle concentration distribution on radiative heat transfer in circulating fluidized bed combustors. International Journal of Heat and Mass Transfer, 2018, 117, 58-70. | 4.8 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Influence of gray particle assumption on the predictive accuracy of gas property approximations. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 220, 67-83. | 2.3 | 8 |
| 20 | Influence of fly ash composition on non-gray particle radiation in combusting systems. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 215, 25-40. | 2.3 | 18 |
| 21 | Monitoring of liquid sprayed conical spouted beds by recurrence plots. Powder Technology, 2017, 316, 148-156. | 4.2 | 16 |
| 22 | Benchmarking grey particle approximations against nongrey particle radiation in circulating fluidized bed combustors. Numerical Heat Transfer, Part B: Fundamentals, 2017, 71, 467-484. | 0.9 | 8 |
| 23 | CFD-DEM Simulation of a Conical Spouted Bed Operating with High Density Particles. Springer Proceedings in Physics, 2017, , 947-955. | 0.2 | 3 |
| 24 | Influence of spectral particle properties on radiative heat transfer in optically thin and thick media of fluidized bed combustors. International Journal of Thermal Sciences, 2017, 122, 266-280. | 4.9 | 18 |
| 25 | Radiative heat transfer in strongly forward scattering media of circulating fluidized bed combustors. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 182, 264-276. | 2.3 | 23 |
| 26 | Early Detection of Agglomeration in Conical Spouted Beds Using Recurrence Plots. Industrial & Engineering Chemistry Research, 2016, 55, 7179-7190. | 3.7 | 17 |
| 27 | Particle Velocity, Solids Hold-Up, and Solids Flux Distributions in Conical Spouted Beds Operating with Heavy Particles. Industrial & Engineering Chemistry Research, 2016, 55, 3131-3138. | 3.7 | 19 |
| 28 | CFD Simulations of Hydrodynamics of Conical Spouted Bed Nuclear Fuel Coaters. Chemical Vapor Deposition, 2015, 21, 122-132. | 1.3 | 14 |
| 29 | Flow structure characterization in conical spouted beds using pressure fluctuation signals. Powder Technology, 2015, 269, 392-400. | 4.2 | 34 |
| 30 | Comparison Between Combustion Behavior of Solid Fuels and Their Chars Under Oxy-Fuel Conditions. Combustion Science and Technology, 2014, 186, 398-408. | 2.3 | 6 |
| 31 | Characterization of gasâ€“solid flow in conical spouted beds operating with heavy particles. Experimental Thermal and Fluid Science, 2012, 40, 132-139. | 2.7 | 29 |
| 32 | Investigation and scale-up of hot-melt coating of pharmaceuticals in fluidized beds. Powder Technology, 2011, 208, 175-184. | 4.2 | 15 |
| 33 | Design assessment of a 150kWt CFBC Test Unit. Experimental Thermal and Fluid Science, 2010, 34, 275-281. | 2.7 | 4 |
| 34 | Validation of a FBC model for co-firing of hazelnut shell with lignite against experimental data. Experimental Thermal and Fluid Science, 2010, 34, 646-655. | 2.7 | 9 |
| 35 | Mathematical Modeling of a Bubbling Fluidized Bed Combustor Cofired with Lignite and Biomass. Combustion Science and Technology, 2010, 182, 600-612. | 2.3 | 4 |
| 36 | A Comprehensive Fluidized Bed Combustion Model Coupled with a Radiation Model. Combustion Science and Technology, 2008, 180, 910-926. | 2.3 | 9 |

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|---|---|---|---|
| 37 | Flow structure and thickness of annular downflow layer in a circulating fluidized bed riser. Powder Technology, 2004, 142, 48-58. | 4.2 | 38 |
| 38 | Flow behavior and regime transition in a high-density circulating fluidized bed riser. Chemical Engineering Science, 2004, 59, 3955-3963. | 3.8 | 81 |