

Reinhold Kneer

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

388
citations

623188

14
h-index

752256

20
g-index

22
all docs

22
docs citations

22
times ranked

340
citing authors

#	ARTICLE	IF	CITATIONS
1	Tackling the challenges in modelling entrained-flow gasification of low-grade feedstock. Journal of the Energy Institute, 2016, 89, 485-503.	2.7	43
2	Quantification of the influence of parameters determining radiative heat transfer in an oxy-fuel operated boiler. Fuel Processing Technology, 2017, 157, 76-89.	3.7	33
3	Three-dimensional flow structures in laminar falling liquid films. Journal of Fluid Mechanics, 2014, 743, 75-123.	1.4	31
4	On the influence of different experimental systems on measured heterogeneous gasification kinetics. Applied Energy, 2018, 211, 582-589.	5.1	26
5	Investigation of gas and particle radiation modelling in wet oxy-coal combustion atmospheres. International Journal of Heat and Mass Transfer, 2019, 133, 1026-1040.	2.5	26
6	Detailed analyzes of pulverized coal swirl flames in oxy-fuel atmospheres. Combustion and Flame, 2016, 172, 289-301.	2.8	25
7	Experimental Investigation and Comparison of Pulverized Coal Combustion in CO ₂ /O ₂ and N ₂ /O ₂ Atmospheres. Flow, Turbulence and Combustion, 2016, 96, 417-431.	1.4	24
8	Dynamics of falling films on the outside of a vertical rotating cylinder: waves, rivulets and dripping transitions. Journal of Fluid Mechanics, 2017, 832, 189-211.	1.4	24
9	Examination of the evolution of iron oxide nanoparticles in flame spray pyrolysis by tailored in situ particle sampling techniques. Journal of Aerosol Science, 2021, 154, 105722.	1.8	23
10	Influence of Index of Refraction and Particle Size Distribution on Radiative Heat Transfer in a Pulverized Coal Combustion Furnace. Journal of Heat Transfer, 2017, 139, .	1.2	22
11	Comparison of scattering behaviour for spherical and non-spherical particles in pulverized coal combustion. International Journal of Thermal Sciences, 2017, 111, 116-128.	2.6	19
12	Modeling of particle radiative properties in coal combustion depending on burnout. Heat and Mass Transfer, 2017, 53, 1225-1235.	1.2	19
13	Influence of angled dispersion gas on coaxial atomization, spray and flame formation in the context of spray-flame synthesis of nanoparticles. Experiments in Fluids, 2021, 62, 1.	1.1	19
14	Investigation of Gasification Reaction of Pulverized Char Under N ₂ /CO ₂ Atmosphere in a Small-Scale Fluidized Bed Reactor. Journal of Energy Resources Technology, Transactions of the ASME, 2016, 138, .	1.4	16
15	A correlation between char emissivity and temperature. Fuel, 2019, 256, 115889.	3.4	11
16	Investigation on ignition behaviors of pulverized coal particles in a tubular swirl burner. Proceedings of the Combustion Institute, 2021, 38, 4179-4188.	2.4	8
17	Reversal of Osseointegration as a Novel Perspective for the Removal of Failed Dental Implants: A Review of Five Patented Methods. Materials, 2021, 14, 7829.	1.3	7
18	Comparison of scattering behaviour for inhomogeneous particles in pulverized coal combustion. International Journal of Thermal Sciences, 2019, 140, 1-7.	2.6	5

#	ARTICLE	IF	CITATIONS
19	Comparison of scattering phase functions of reacting and non-reacting pulverised fuel particles. Fuel, 2021, 287, 119415.	3.4	3
20	Spanwise structuring and rivulet formation in suspended falling liquid films. Physical Review Fluids, 2021, 6, .	1.0	2
21	Heat Analysis of Different Devices for Thermo-explantation of Dental Implants: A Numeric Analysis and Preclinical In Vitro Model. Journal of Oral Implantology, 2021, 47, 455-463.	0.4	1
22	Spatially-Resolved experimental investigations of combustion characteristics in a solid fuel doped methane swirl flame and the influence on the formation of ultrafine particulate matter. Combustion and Flame, 2022, 244, 112223.	2.8	1