

# 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	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. <i>Combustion and Flame</i> , 2022, 244, 112223.	2.8	1
2	Examination of the evolution of iron oxide nanoparticles in flame spray pyrolysis by tailored in situ particle sampling techniques. <i>Journal of Aerosol Science</i> , 2021, 154, 105722.	1.8	23
3	Comparison of scattering phase functions of reacting and non-reacting pulverised fuel particles. <i>Fuel</i> , 2021, 287, 119415.	3.4	3
4	Investigation on ignition behaviors of pulverized coal particles in a tubular swirl burner. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 4179-4188.	2.4	8
5	Influence of angled dispersion gas on coaxial atomization, spray and flame formation in the context of spray-flame synthesis of nanoparticles. <i>Experiments in Fluids</i> , 2021, 62, 1.	1.1	19
6	Spanwise structuring and rivulet formation in suspended falling liquid films. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	2
7	Heat Analysis of Different Devices for Thermo-explantation of Dental Implants: A Numeric Analysis and Preclinical In Vitro Model. <i>Journal of Oral Implantology</i> , 2021, 47, 455-463.	0.4	1
8	Reversal of Osseointegration as a Novel Perspective for the Removal of Failed Dental Implants: A Review of Five Patented Methods. <i>Materials</i> , 2021, 14, 7829.	1.3	7
9	Investigation of gas and particle radiation modelling in wet oxy-coal combustion atmospheres. <i>International Journal of Heat and Mass Transfer</i> , 2019, 133, 1026-1040.	2.5	26
10	A correlation between char emissivity and temperature. <i>Fuel</i> , 2019, 256, 115889.	3.4	11
11	Comparison of scattering behaviour for inhomogeneous particles in pulverized coal combustion. <i>International Journal of Thermal Sciences</i> , 2019, 140, 1-7.	2.6	5
12	On the influence of different experimental systems on measured heterogeneous gasification kinetics. <i>Applied Energy</i> , 2018, 211, 582-589.	5.1	26
13	Influence of Index of Refraction and Particle Size Distribution on Radiative Heat Transfer in a Pulverized Coal Combustion Furnace. <i>Journal of Heat Transfer</i> , 2017, 139, .	1.2	22
14	Quantification of the influence of parameters determining radiative heat transfer in an oxy-fuel operated boiler. <i>Fuel Processing Technology</i> , 2017, 157, 76-89.	3.7	33
15	Dynamics of falling films on the outside of a vertical rotating cylinder: waves, rivulets and dripping transitions. <i>Journal of Fluid Mechanics</i> , 2017, 832, 189-211.	1.4	24
16	Comparison of scattering behaviour for spherical and non-spherical particles in pulverized coal combustion. <i>International Journal of Thermal Sciences</i> , 2017, 111, 116-128.	2.6	19
17	Modeling of particle radiative properties in coal combustion depending on burnout. <i>Heat and Mass Transfer</i> , 2017, 53, 1225-1235.	1.2	19
18	Investigation of Gasification Reaction of Pulverized Char Under N <sub>2</sub> /CO <sub>2</sub> Atmosphere in a Small-Scale Fluidized Bed Reactor. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2016, 138, .	1.4	16

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19	Detailed analyzes of pulverized coal swirl flames in oxy-fuel atmospheres. Combustion and Flame, 2016, 172, 289-301.	2.8	25
20	Experimental Investigation and Comparison of Pulverized Coal Combustion in CO <sub>2</sub> /O <sub>2</sub> and N <sub>2</sub> /O <sub>2</sub> Atmospheres. Flow, Turbulence and Combustion, 2016, 96, 417-431.	1.4	24
21	Tackling the challenges in modelling entrained-flow gasification of low-grade feedstock. Journal of the Energy Institute, 2016, 89, 485-503.	2.7	43
22	Three-dimensional flow structures in laminar falling liquid films. Journal of Fluid Mechanics, 2014, 743, 75-123.	1.4	31