

Dong-Bin Kwak

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

134
citations

1163117

8
h-index

1281871

11
g-index

15
all docs

15
docs citations

15
times ranked

144
citing authors

#	ARTICLE	IF	CITATIONS
1	Inverse heat conduction modeling to predict heat flux in a hollow cylindrical tube having irregular cross-sections. <i>Applied Thermal Engineering</i> , 2018, 128, 1310-1321.	6.0	24
2	Nanofiber Filter Performance Improvement: Nanofiber Layer Uniformity and Branched Nanofiber. <i>Aerosol and Air Quality Research</i> , 2020, 20, 80-88.	2.1	18
3	Cooling performance of a radial heat sink with triangular fins on a circular base at various installation angles. <i>International Journal of Thermal Sciences</i> , 2017, 120, 377-385.	4.9	14
4	Natural convection flow around heated disk in cubical enclosure. <i>Journal of Mechanical Science and Technology</i> , 2018, 32, 2377-2384.	1.5	13
5	Numerical investigation of nanoparticle deposition location and pattern on a sharp-bent tube wall. <i>International Journal of Heat and Mass Transfer</i> , 2021, 164, 120534.	4.8	11
6	Optimization of the radial heat sink with a concentric cylinder and triangular fins installed on a circular base. <i>Journal of Mechanical Science and Technology</i> , 2018, 32, 505-512.	1.5	10
7	Influence of colloidal particles with bimodal size distributions on retention and pressure drop in ultrafiltration membranes. <i>Separation and Purification Technology</i> , 2019, 222, 352-360.	7.9	10
8	Characterization of colloidal nanoparticles in mixtures with polydisperse and multimodal size distributions using a particle tracking analysis and electrospray-scanning mobility particle sizer. <i>Powder Technology</i> , 2019, 355, 18-25.	4.2	8
9	Experimental study of nanoparticle transport and penetration efficiency on a sharp-bent tube (elbow) Tj ETQq1 1 0,784314 rgBT /Ove	4.8	8
10	Study on Droplet Dispersion Influenced by Ventilation and Source Configuration in Classroom Settings Using Low-cost Sensor Network. <i>Aerosol and Air Quality Research</i> , 2021, 21, 210232.	2.1	5
11	Effects of wall thickness and material property on inverse heat conduction analysis of a hollow cylindrical tube. <i>Inverse Problems in Science and Engineering</i> , 2018, 26, 1305-1325.	1.2	4
12	Characterization of handheld disinfectant sprayers for effective surface decontamination to mitigate severe acute respiratory coronavirus virus 2 (SARS-CoV-2) transmission. <i>Infection Control and Hospital Epidemiology</i> , 2021, 42, 901-903.	1.8	4
13	Detection of Airborne Nanoparticles through Enhanced Light Scattering Images. <i>Sensors</i> , 2022, 22, 2038.	3.8	3
14	Quantitative analysis of droplet deposition produced by an electrostatic sprayer on a classroom table by using fluorescent tracer. <i>Building and Environment</i> , 2021, 205, 108254.	6.9	2
15	Application of an Electrical Low Pressure Impactor (ELPI) for Residual Particle Measurement in an Epitaxial Growth Reactor. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7680.	2.5	0