

Kaiyuan Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2862504/publications.pdf>

Version: 2024-02-01

12
papers

93
citations

1684188

5
h-index

1372567

10
g-index

12
all docs

12
docs citations

12
times ranked

48
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of thermophoresis on Brownian coagulation of spherical particles over the entire particle size regime. <i>Particology</i> , 2022, 67, 8-17.	3.6	3
2	Body Structure and Lightweight Design of a Suspended Monorail Vehicle. , 2021, , .		0
3	Measurements and analysis of adhesive forces for micron particles on common indoor surfaces. <i>Indoor and Built Environment</i> , 2020, 29, 931-941.	2.8	4
4	A review of HTGR graphite dust transport research. <i>Nuclear Engineering and Design</i> , 2020, 360, 110477.	1.7	28
5	Evaluation of thermophoretic effects on graphite dust coagulation in high-temperature gas-cooled reactors. <i>Particology</i> , 2020, 51, 45-52.	3.6	4
6	An analytical solution of the population balance equation for simultaneous Brownian and shear coagulation in the continuum regime. <i>Advanced Powder Technology</i> , 2020, 31, 2128-2135.	4.1	5
7	A new method for solving population balance equations using a radial basis function network. <i>Aerosol Science and Technology</i> , 2020, 54, 644-655.	3.1	2
8	A novel moment method using the log skew normal distribution for particle coagulation. <i>Journal of Aerosol Science</i> , 2019, 134, 95-108.	3.8	15
9	Study of the deposition of graphite dust in the inlet passageway of intermediate heat exchanger in VHTR. <i>Experimental and Computational Multiphase Flow</i> , 2019, 1, 29-37.	3.9	11
10	Extended log-normal method of moments for solving the population balance equation for Brownian coagulation. <i>Aerosol Science and Technology</i> , 2019, 53, 332-343.	3.1	13
11	A new approximation approach for analytically solving the population balance equation due to thermophoretic coagulation. <i>Journal of Aerosol Science</i> , 2019, 128, 125-137.	3.8	8
12	THERMOPHORETIC EFFECTS ON AEROSOL COAGULATION IN HTGRS. <i>The Proceedings of the International Conference on Nuclear Engineering (ICONE)</i> , 2019, 2019.27, 1110.	0.0	0