

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