Mingliang Xie

List of Publications by Year
in descending order

16 papers	51 citations	1937685 4 h-index	1720034 7 g-index
16 all docs	16 docs citations	16 times ranked	31 citing authors

#	Article	IF	Citations
1	Solution of Smoluchowski coagulation equation for Brownian motion with TEMOM. Particuology, 2022, 70, 64-71.	3.6	4
2	Thermodynamic Analysis of Brownian Motion-Induced Particle Agglomeration Using the Taylor-Series Expansion Method of Moments. Processes, 2021, 9, 1218.	2.8	2
3	Thermodynamic analysis of Brownian coagulation based on moment method. International Journal of Heat and Mass Transfer, 2018, 122, 922-928.	4.8	8
4	The Asymptotic Behavior of Particle Size Distribution Undergoing Brownian Coagulation Based on the Spline-Based Method and TEMOM Model. Journal of Nanotechnology, 2018, 2018, 1-7.	3.4	0
5	The asymptotic stability of the Taylor-series expansion method of moment model for Brownian coagulation. Thermal Science, 2018, 22, 1651-1657.	1.1	0
6	Error estimation of TEMOM for Brownian coagulation. Aerosol Science and Technology, 2016, 50, 919-925.	3.1	10
7	An improved particle population balance equation in the continuum-slip regime. Thermal Science, 2016, 20, 921-926.	1.1	1
8	A bimodal temom model for particle Brownian coagulation in the continuum-slip regime. Thermal Science, 2016, 20, 927-932.	1.1	0
9	An exact solution of interception efficiency over a circular-arc fiber collector. Computers and Fluids, 2013, 88, 354-362.	2.5	2
10	The Fundamental Aspects of TEMOM Model for Particle Coagulation due to Brownian Motionâ€”Part II: In the Continuum Regime. Abstract and Applied Analysis, 2013, 2013, 1-6.	0.7	1
11	A comparison of various basis functions based on meshless local Petrov-Galerkin method for linear stability of circular jet. Thermal Science, 2013, 17, 1329-1335.	1.1	0
12	Interception efficiency of particle laden flow over a finite flat plate in potential flow regimes. Thermal Science, 2013, 17, 1343-1348.	1.1	0
13	A simple moment model to study the effect of diffusion on the coagulation of nanoparticles due to Brownian motion in the free molecule regime. Thermal Science, 2012, 16, 1331-1338.	1.1	2
14	A solution for potential flow over an arc fiber. Thermal Science, 2012, 16, 1564-1568.	1.1	1
15	An Exact Solution of Interception Efficiency Over an Elliptical Fiber Collector. Aerosol Science and Technology, 2012, 46, 843-851.	3.1	10
16	Modeling of Soot Formation in Gas Burner Using Reduced Chemical Kinetics Coupled with CFD Code. Chinese Journal of Chemical Engineering, 2010, 18, 967-978.	3.5	10