Shuang Luo

List of Publications by Year
in descending order

12	140	1162367 8	1199166 12
papers	citations	h-index	g-index

12	12	12	126
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancing and Impeding Heterogeneous Ice Nucleation through Nanogrooves. Journal of Physical Chemistry C, 2018, 122, 25992-25998.	1.5	27
2	Resolving the Apparent Line Tension of Sessile Droplets and Understanding its Sign Change at a Critical Wetting Angle. Physical Review Letters, 2019, 123, 094501.	2.9	19
3	Molecular understanding of ion rejection in the freezing of aqueous solutions. Physical Chemistry Chemical Physics, 2021, 23, 13292-13299.	1.3	13
4	Lift force on nanoparticles in shear flows of dilute gases: negative or positive?. Journal of Fluid Mechanics, 2016, 795, 443-454.	1.4	12
5	Homogeneous Ice Nucleation Under Shear. Journal of Physical Chemistry B, 2020, 124, 3701-3708.	1.2	12
6	Thermophoretic force on nanocylinders in the free molecule regime. Physical Review E, 2017, 95, 033101.	0.8	11
7	Coupling effects in electromechanical ion transport in graphene nanochannels. Physical Review E, 2020, 102, 033112.	0.8	10
8	Lift forces on axial symmetry particles rotating in a linear shear flow of a rarefied gas. Physics of Fluids, 2018, 30, .	1.6	9
9	Ice Crystallization in Shear Flows. Journal of Physical Chemistry C, 2019, 123, 21042-21049.	1.5	9
10	Size-Sensitive Thermoelectric Properties of Electrolyte-Based Nanofluidic Systems. Journal of Physical Chemistry Letters, 2021, 12, 1144-1149.	2.1	9
11	Lift force on spherical nanoparticles in shear flows of rarefied binary gas mixtures. Journal of Fluid Mechanics, 2016, 809, 345-359.	1.4	5
12	Shear lift forces on nanocylinders in the free molecule regime. Journal of Fluid Mechanics, 2018, 846, 392-410.	1.4	4