

Zhenjiang Guo

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

280
citations

1040056

9
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

286
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface enrichment of ions leads to the stability of bulk nanobubbles. <i>Soft Matter</i> , 2020, 16, 5470-5477.	2.7	54
2	Evaluation of composite interfacial properties based on carbon fiber surface chemistry and topography: Nanometer-scale wetting analysis using molecular dynamics simulation. <i>Composites Science and Technology</i> , 2019, 171, 252-260.	7.8	48
3	Solvent Exchange Leading to Nanobubble Nucleation: A Molecular Dynamics Study. <i>Langmuir</i> , 2017, 33, 8090-8096.	3.5	33
4	Modeling the Interaction between AFM Tips and Pinned Surface Nanobubbles. <i>Langmuir</i> , 2016, 32, 751-758.	3.5	25
5	Stability of Surface Nanobubbles without Contact Line Pinning. <i>Langmuir</i> , 2019, 35, 8482-8489.	3.5	19
6	How nanobubbles lose stability: Effects of surfactants. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	18
7	Surface Nanobubbles Nucleate Liquid Boiling. <i>Langmuir</i> , 2018, 34, 14096-14101.	3.5	18
8	Contact Line Pinning Effects Influence Determination of the Line Tension of Droplets Adsorbed on Substrates. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17184-17189.	3.1	15
9	What experiments on pinned nanobubbles can tell about the critical nucleus for bubble nucleation. <i>European Physical Journal E</i> , 2017, 40, 114.	1.6	13
10	The fate of bulk nanobubbles under gas dissolution. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 9685-9694.	2.8	10
11	Enhanced fluctuation for pinned surface nanobubbles. <i>Physical Review E</i> , 2019, 100, 052803.	2.1	7
12	Stability of micro-Cassie states on rough substrates. <i>Journal of Chemical Physics</i> , 2015, 142, 244704.	3.0	6
13	Hidden Nanobubbles in Undersaturated Liquids. <i>Langmuir</i> , 2016, 32, 11328-11334.	3.5	6
14	Constrained lattice density functional theory and its applications on vapor-liquid nucleations. <i>Science Bulletin</i> , 2015, 60, 320-327.	9.0	5
15	Curvature dependence of Henry's law constant and nonideality of gas equilibrium for curved vapor-liquid interfaces. <i>AIChE Journal</i> , 2019, 65, e16604.	3.6	3
16	Microdroplet targeting induced by substrate curvature. <i>Chinese Physics B</i> , 2018, 27, 096801.	1.4	0