

Lalit Bansal

List of Publications by Year in descending order

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16
papers

241
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933447

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#	ARTICLE	IF	CITATIONS
1	Suppression of coffee ring effect in high molecular weight polyacrylamide droplets evaporating on hydrophobic surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 612, 126002.	4.7	9
2	Evaporation-induced alterations in oscillation and flow characteristics of a sessile droplet on a rose-mimetic surface. <i>Soft Matter</i> , 2021, 17, 1487-1496.	2.7	0
3	On the lifetime of evaporating confined sessile droplets. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 560, 78-83.	4.7	11
4	Engineering Interfacial Processes at Mini-Micro-Nano Scales Using Sessile Droplet Architecture. <i>Langmuir</i> , 2018, 34, 8423-8442.	3.5	14
5	Sessile nanofluid droplet can act like a crane. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 497-510.	9.4	3
6	Beyond coffee ring: Anomalous self-assembly in evaporating nanofluid droplet on a sticky biomimetic substrate. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	11
7	Suppression of coffee ring: (Particle) size matters. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	34
8	Confinement-induced alterations in the evaporation dynamics of sessile droplets. <i>Soft Matter</i> , 2017, 13, 969-977.	2.7	24
9	Confinement suppresses instabilities in particle-laden droplets. <i>Scientific Reports</i> , 2017, 7, 7708.	3.3	8
10	Universal evaporation dynamics of a confined sessile droplet. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	24
11	Universal representations of evaporation modes in sessile droplets. <i>PLoS ONE</i> , 2017, 12, e0184997.	2.5	19
12	Towards universal buckling dynamics in nanocolloidal sessile droplets: the effect of hydrophilic to superhydrophobic substrates and evaporation modes. <i>Soft Matter</i> , 2016, 12, 4896-4902.	2.7	19
13	Insights into Vapor-Mediated Interactions in a Nanocolloidal Droplet System: Evaporation Dynamics and Affects on Self-Assembly Topologies on Macro- to Microscales. <i>Langmuir</i> , 2016, 32, 10334-10343.	3.5	27
14	Morphological transitions and buckling characteristics in a nanoparticle-laden sessile droplet resting on a heated hydrophobic substrate. <i>Physical Review E</i> , 2016, 93, 042605.	2.1	17
15	Universal buckling kinetics in drying nanoparticle-laden droplets on a hydrophobic substrate. <i>Physical Review E</i> , 2015, 92, 042304.	2.1	19
16	Solar Thermal Power System Augmented with LHP. <i>Energy Procedia</i> , 2014, 49, 295-304.	1.8	2