

Lalit Bansal

List of Publications by Year in descending order

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