

Susmita Dash

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

636
citations

840776

11
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

874
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of Water Droplet Evaporation Mechanisms on Hydrophobic and Superhydrophobic Substrates. <i>Langmuir</i> , 2013, 29, 15831-15841.	3.5	130
2	Photothermal trap utilizing solar illumination for ice mitigation. <i>Science Advances</i> , 2018, 4, eaat0127.	10.3	107
3	Hybrid Surface Design for Robust Superhydrophobicity. <i>Langmuir</i> , 2012, 28, 9606-9615.	3.5	91
4	Nanotextured superhydrophobic electrodes enable detection of attomolar-scale DNA concentration within a droplet by non-faradaic impedance spectroscopy. <i>Lab on A Chip</i> , 2013, 13, 4248.	6.0	71
5	Effect of superhydrophobic surface morphology on evaporative deposition patterns. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	47
6	Marangoni Convection in Evaporating Organic Liquid Droplets on a Nonwetting Substrate. <i>Langmuir</i> , 2016, 32, 4729-4735.	3.5	46
7	Evaporative Crystallization in Drops on Superhydrophobic and Liquid-Impregnated Surfaces. <i>Langmuir</i> , 2018, 34, 12350-12358.	3.5	43
8	Crystallization-Induced Fouling during Boiling: Formation Mechanisms to Mitigation Approaches. <i>Langmuir</i> , 2018, 34, 782-788.	3.5	27
9	Microstructured Ceramic-Coated Carbon Nanotube Surfaces for High Heat Flux Pool Boiling. <i>ACS Applied Nano Materials</i> , 2019, 2, 5538-5545.	5.0	21
10	Evaporative Crystallization of Spirals. <i>Langmuir</i> , 2019, 35, 10484-10490.	3.5	14
11	Evaporation-Based Low-Cost Method for the Detection of Adulterant in Milk. <i>ACS Omega</i> , 2021, 6, 27200-27207.	3.5	11
12	Influence of the substrate permeability on Leidenfrost temperature. <i>International Journal of Heat and Mass Transfer</i> , 2021, 178, 121629.	4.8	9
13	Impact dynamics of air-in-liquid compound droplets. <i>Physics of Fluids</i> , 2022, 34, .	4.0	7
14	Droplet trampoline on heated surfaces in the transitional boiling regime. <i>International Journal of Heat and Mass Transfer</i> , 2022, 190, 122811.	4.8	6
15	Bubble-Induced Rupture of Droplets on Hydrophobic and Lubricant-Impregnated Surfaces. <i>Langmuir</i> , 2020, 36, 8858-8864.	3.5	3
16	Role of extended surfaces on the enhancement of quenching performance. <i>International Journal of Thermal Sciences</i> , 2022, 171, 107235.	4.9	3