

Susmita Dash

List of Publications by Year in descending order

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