

Shreyas Chavan

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

696
citations

933447

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h-index

1199594

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g-index

12
all docs

12
docs citations

12
times ranked

636
citing authors

#	ARTICLE	IF	CITATIONS
1	Dropwise condensation on solid hydrophilic surfaces. <i>Science Advances</i> , 2020, 6, eaax0746.	10.3	143
2	Heat Transfer through a Condensate Droplet on Hydrophobic and Nanostructured Superhydrophobic Surfaces. <i>Langmuir</i> , 2016, 32, 7774-7787.	3.5	127
3	Enhanced Jumping-Droplet Departure. <i>Langmuir</i> , 2015, 31, 13452-13466.	3.5	126
4	Hierarchical Condensation. <i>ACS Nano</i> , 2019, 13, 8169-8184.	14.6	83
5	Effect of Latent Heat Released by Freezing Droplets during Frost Wave Propagation. <i>Langmuir</i> , 2018, 34, 6636-6644.	3.5	48
6	Enhanced Condensation on Liquid-Infused Nanoporous Surfaces by Vibration-Assisted Droplet Sweeping. <i>ACS Nano</i> , 2020, 14, 13367-13379.	14.6	41
7	Dynamic Defrosting on Superhydrophobic and Biphilic Surfaces. <i>Matter</i> , 2020, 3, 1178-1195.	10.0	41
8	Numerical Simulation of Jumping Droplet Condensation. <i>Langmuir</i> , 2019, 35, 10309-10321.	3.5	31
9	Bulk water freezing dynamics on superhydrophobic surfaces. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	24
10	Pulse interfacial defrosting. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	17
11	Biphilic jumping-droplet condensation. <i>Cell Reports Physical Science</i> , 2022, 3, 100823.	5.6	8
12	Cicada-inspired self-cleaning superhydrophobic surfaces. <i>Journal of Heat Transfer</i> , 2019, 141, .	2.1	7