

# Shreyas Chavan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1119592/publications.pdf>

Version: 2024-02-01

12  
papers

696  
citations

932766

10  
h-index

1199166

12  
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.	4.7	143
2	Heat Transfer through a Condensate Droplet on Hydrophobic and Nanostructured Superhydrophobic Surfaces. <i>Langmuir</i> , 2016, 32, 7774-7787.	1.6	127
3	Enhanced Jumping-Droplet Departure. <i>Langmuir</i> , 2015, 31, 13452-13466.	1.6	126
4	Hierarchical Condensation. <i>ACS Nano</i> , 2019, 13, 8169-8184.	7.3	83
5	Effect of Latent Heat Released by Freezing Droplets during Frost Wave Propagation. <i>Langmuir</i> , 2018, 34, 6636-6644.	1.6	48
6	Enhanced Condensation on Liquid-Infused Nanoporous Surfaces by Vibration-Assisted Droplet Sweeping. <i>ACS Nano</i> , 2020, 14, 13367-13379.	7.3	41
7	Dynamic Defrosting on Superhydrophobic and Biphilic Surfaces. <i>Matter</i> , 2020, 3, 1178-1195.	5.0	41
8	Numerical Simulation of Jumping Droplet Condensation. <i>Langmuir</i> , 2019, 35, 10309-10321.	1.6	31
9	Bulk water freezing dynamics on superhydrophobic surfaces. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	24
10	Pulse interfacial defrosting. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	17
11	Biphilic jumping-droplet condensation. <i>Cell Reports Physical Science</i> , 2022, 3, 100823.	2.8	8
12	Cicada-inspired self-cleaning superhydrophobic surfaces. <i>Journal of Heat Transfer</i> , 2019, 141, .	1.2	7