

Sushant Anand

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,616
citations

567144

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713332

21
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25
all docs

25
docs citations

25
times ranked

2508
citing authors

#	ARTICLE	IF	CITATIONS
1	Boiling Transitions During Droplet Contact on Superheated Nano/Micro-Structured Surfaces. ACS Applied Materials & Interfaces, 2022, 14, 15774-15783.	4.0	7
2	A Family of Frost-Resistant and Icephobic Coatings. Advanced Materials, 2022, 34, e2109930.	11.1	22
3	Coalescence and spreading of drops on liquid pools. Journal of Colloid and Interface Science, 2021, 586, 257-268.	5.0	13
4	Microbubble dynamics and heat transfer in boiling droplets. International Journal of Heat and Mass Transfer, 2021, 176, 121413.	2.5	14
5	Programmable soft robotics based on nano-textured thermo-responsive actuators. Nanoscale, 2019, 11, 2065-2070.	2.8	29
6	Anti-Icing: Delaying Ice and Frost Formation Using Phase-Switching Liquids (Adv. Mater. 17/2019). Advanced Materials, 2019, 31, 1970124.	11.1	2
7	<i>In Situ</i> Study of Molecular Structure of Water and Ice Entrapped in Graphene Nanovessels. ACS Nano, 2019, 13, 4677-4685.	7.3	27
8	Delaying Ice and Frost Formation Using Phase-Switching Liquids. Advanced Materials, 2019, 31, e1807812.	11.1	75
9	Nanoparticle synthesis <i>via</i> bubbling vapor precursors in bulk liquids. Nanoscale, 2018, 10, 12196-12203.	2.8	2
10	Synthesizing Pickering Nanoemulsions by Vapor Condensation. ACS Applied Materials & Interfaces, 2018, 10, 21746-21754.	4.0	34
11	Creating nanoscale emulsions using condensation. Nature Communications, 2017, 8, 1371.	5.8	49
12	CHAPTER 10. Lubricant-Impregnated Surfaces. RSC Soft Matter, 2016, , 285-318.	0.2	23
13	Inverted Leidenfrost-like Effect during Condensation. Langmuir, 2015, 31, 5353-5363.	1.6	11
14	How droplets nucleate and grow on liquids and liquid impregnated surfaces. Soft Matter, 2015, 11, 69-80.	1.2	127
15	Increasing heat transfer during condensation on surfaces via lubricant impregnation. , 2014, , .		0
16	Dropwise Condensation of Low Surface Tension Fluids on Omniphobic Surfaces. Scientific Reports, 2014, 4, 4158.	1.6	173
17	Multimode Multidrop Serial Coalescence Effects during Condensation on Hierarchical Superhydrophobic Surfaces. Langmuir, 2013, 29, 881-891.	1.6	204
18	Droplet mobility on lubricant-impregnated surfaces. Soft Matter, 2013, 9, 1772-1780.	1.2	810

#	ARTICLE	IF	CITATIONS
19	Mechanism of Frost Formation on Lubricant-Impregnated Surfaces. Langmuir, 2013, 29, 5230-5238.	1.6	322
20	Fog-Harvesting Potential of Lubricant-Impregnated Electrospun Nanomats. Langmuir, 2013, 29, 13081-13088.	1.6	104
21	Enhanced Condensation on Lubricant-Impregnated Nanotextured Surfaces. ACS Nano, 2012, 6, 10122-10129.	7.3	531
22	Distribution of Vapor Inside a Cylindrical Minichannel With Evaporative Walls and Its Effect on Droplet Growth by Heterogeneous Nucleation. Journal of Thermal Science and Engineering Applications, 2011, 3, .	0.8	0
23	Sub-Micrometer Dropwise Condensation under Superheated and Rarefied Vapor Condition. Langmuir, 2010, 26, 17100-17110.	1.6	36
24	Comparative Analysis of Different Thermal Conductivity Models for Nanofluids in a Square Enclosure Under Natural Convection Conditions. , 2005, , 265.		1