

Sushant Anand

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3104081/publications.pdf>

Version: 2024-02-01

24
papers

2,616
citations

567144

15
h-index

713332

21
g-index

25
all docs

25
docs citations

25
times ranked

2508
citing authors

#	ARTICLE	IF	CITATIONS
1	Droplet mobility on lubricant-impregnated surfaces. <i>Soft Matter</i> , 2013, 9, 1772-1780.	1.2	810
2	Enhanced Condensation on Lubricant-Impregnated Nanotextured Surfaces. <i>ACS Nano</i> , 2012, 6, 10122-10129.	7.3	531
3	Mechanism of Frost Formation on Lubricant-Impregnated Surfaces. <i>Langmuir</i> , 2013, 29, 5230-5238.	1.6	322
4	Multimode Multidrop Serial Coalescence Effects during Condensation on Hierarchical Superhydrophobic Surfaces. <i>Langmuir</i> , 2013, 29, 881-891.	1.6	204
5	Dropwise Condensation of Low Surface Tension Fluids on Omniphobic Surfaces. <i>Scientific Reports</i> , 2014, 4, 4158.	1.6	173
6	How droplets nucleate and grow on liquids and liquid impregnated surfaces. <i>Soft Matter</i> , 2015, 11, 69-80.	1.2	127
7	Fog-Harvesting Potential of Lubricant-Impregnated Electrospun Nanomats. <i>Langmuir</i> , 2013, 29, 13081-13088.	1.6	104
8	Delaying Ice and Frost Formation Using Phase-Switching Liquids. <i>Advanced Materials</i> , 2019, 31, e1807812.	11.1	75
9	Creating nanoscale emulsions using condensation. <i>Nature Communications</i> , 2017, 8, 1371.	5.8	49
10	Sub-Micrometer Dropwise Condensation under Superheated and Rarefied Vapor Condition. <i>Langmuir</i> , 2010, 26, 17100-17110.	1.6	36
11	Synthesizing Pickering Nanoemulsions by Vapor Condensation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 21746-21754.	4.0	34
12	Programmable soft robotics based on nano-textured thermo-responsive actuators. <i>Nanoscale</i> , 2019, 11, 2065-2070.	2.8	29
13	<i>In Situ</i> Study of Molecular Structure of Water and Ice Entrapped in Graphene Nanovessels. <i>ACS Nano</i> , 2019, 13, 4677-4685.	7.3	27
14	CHAPTER 10. Lubricant-Impregnated Surfaces. <i>RSC Soft Matter</i> , 2016, , 285-318.	0.2	23
15	A Family of Frost-Resistant and Icephobic Coatings. <i>Advanced Materials</i> , 2022, 34, e2109930.	11.1	22
16	Microbubble dynamics and heat transfer in boiling droplets. <i>International Journal of Heat and Mass Transfer</i> , 2021, 176, 121413.	2.5	14
17	Coalescence and spreading of drops on liquid pools. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 257-268.	5.0	13
18	Inverted Leidenfrost-like Effect during Condensation. <i>Langmuir</i> , 2015, 31, 5353-5363.	1.6	11

#	ARTICLE	IF	CITATIONS
19	Boiling Transitions During Droplet Contact on Superheated Nano/Micro-Structured Surfaces. ACS Applied Materials & Interfaces, 2022, 14, 15774-15783.	4.0	7
20	Nanoparticle synthesis <i>via</i> bubbling vapor precursors in bulk liquids. Nanoscale, 2018, 10, 12196-12203.	2.8	2
21	Anti-icing: Delaying Ice and Frost Formation Using Phase-switching Liquids (Adv. Mater. 17/2019). Advanced Materials, 2019, 31, 1970124.	11.1	2
22	Comparative Analysis of Different Thermal Conductivity Models for Nanofluids in a Square Enclosure Under Natural Convection Conditions. , 2005, , 265.		1
23	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
24	Increasing heat transfer during condensation on surfaces via lubricant impregnation. , 2014, , .		0