

Saurabh Nath

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

515
citations

1163117

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1281871

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11
docs citations

11
times ranked

417
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of Condensation Frosting. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2017, 21, 81-101.	2.6	137
2	Controlling condensation and frost growth with chemical micropatterns. <i>Scientific Reports</i> , 2016, 6, 19131.	3.3	111
3	On Localized Vapor Pressure Gradients Governing Condensation and Frost Phenomena. <i>Langmuir</i> , 2016, 32, 8350-8365.	3.5	91
4	Passive Antifrosting Surfaces Using Microscopic Ice Patterns. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32874-32884.	8.0	61
5	Duelling dry zones around hygroscopic droplets. <i>Journal of Fluid Mechanics</i> , 2018, 853, 601-620.	3.4	29
6	“Sneezing” plants: pathogen transport via jumping-droplet condensation. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190243.	3.4	25
7	How ice bridges the gap. <i>Soft Matter</i> , 2020, 16, 1156-1161.	2.7	23
8	How soap bubbles freeze. <i>Nature Communications</i> , 2019, 10, 2531.	12.8	20
9	Spatial control of condensation and desublimation using ice nucleating proteins. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	8
10	Suppressing Condensation Frosting Using an Out-of-Plane Dry Zone. <i>Langmuir</i> , 2020, 36, 15603-15609.	3.5	7
11	Three-phase Leidenfrost effect. <i>Physical Review Fluids</i> , 2022, 7, .	2.5	3