

Xiaoda Sun

List of Publications by Year in descending order

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14
papers

526
citations

933264

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1125617

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all docs

14
docs citations

14
times ranked

786
citing authors

#	ARTICLE	IF	CITATIONS
1	Dropwise Condensation of Low Surface Tension Fluids on Omniphobic Surfaces. Scientific Reports, 2014, 4, 4158.	1.6	173
2	Bioinspired Stimuli-Responsive and Antifreeze-Secreting Anti-Icing Coatings. Advanced Materials Interfaces, 2015, 2, 1400479.	1.9	119
3	Suppression of Frost Nucleation Achieved Using the Nanoengineered Integral Humidity Sink Effect. ACS Nano, 2017, 11, 906-917.	7.3	47
4	Inhibition of Condensation Frosting by Arrays of Hygroscopic Antifreeze Drops. Langmuir, 2015, 31, 13743-13752.	1.6	43
5	Insensitive to Touch: Fabric-Supported Lubricant-Swollen Polymeric Films for Omniphobic Personal Protective Gear. ACS Applied Materials & Interfaces, 2015, 7, 4224-4232.	4.0	30
6	Can liquid metal flow in microchannels made of its own oxide skin?. Microfluidics and Nanofluidics, 2016, 20, 1.	1.0	27
7	Design and characterization of a single channel two-liquid capacitor and its application to hyperelastic strain sensing. Lab on A Chip, 2015, 15, 1376-1384.	3.1	26
8	Microscale Mechanism of Age Dependent Wetting Properties of Prickly Pear Cacti (<i>Opuntia</i>). Langmuir, 2016, 32, 9335-9341.	1.6	22
9	Rapid and scalable lubrication and replenishment of liquid-infused materials. Surface Innovations, 2016, 4, 102-108.	1.4	17
10	Can Metal Matrix-Hydrophobic Nanoparticle Composites Enhance Water Condensation by Promoting the Dropwise Mode?. Advanced Materials Interfaces, 2015, 2, 1500202.	1.9	14
11	Why is it difficult to wash aphids off from superhydrophobic kale?. Bioinspiration and Biomimetics, 2016, 11, 054001.	1.5	3
12	Water permeation and corrosion resistance of single- and two-component hydrophobic polysiloxane barrier coatings. Journal of Coatings Technology Research, 2017, 14, 1247-1258.	1.2	3
13	Far-reaching geometrical artefacts due to thermal decomposition of polymeric coatings around focused ion beam milled pigment particles. Journal of Microscopy, 2016, 262, 316-325.	0.8	2
14	FIB milling of polymer ceramic nanocomposites: far-reaching thermal artefacts and application to analysis of corrosion barrier coatings. Microscopy and Microanalysis, 2016, 22, 142-143.	0.2	0