

# Xiaoda Sun

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1152042/publications.pdf>

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14  
papers

526  
citations

933264

10  
h-index

1125617

13  
g-index

14  
all docs

14  
docs citations

14  
times ranked

786  
citing authors

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