

# Jie Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2401389/publications.pdf>

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16  
papers

844  
citations

686830

13  
h-index

940134

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

890  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guided Self-Propelled Leaping of Droplets on a Micro-Anisotropic Superhydrophobic Surface. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4265-4269.	7.2	135
2	Distinct ice patterns on solid surfaces with various wettabilities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11285-11290.	3.3	132
3	Elastic Superhydrophobic and Photocatalytic Active Films Used as Blood Repellent Dressing. <i>Advanced Materials</i> , 2020, 32, e1908008.	11.1	129
4	Contact angle hysteresis. <i>Current Opinion in Colloid and Interface Science</i> , 2022, 59, 101574.	3.4	81
5	One-Step Synthesis of a Durable and Liquid-Repellent Poly(dimethylsiloxane) Coating. <i>Advanced Materials</i> , 2021, 33, e2100237.	11.1	77
6	Optimizing Hydrophobicity and Photocatalytic Activity of PDMS-Coated Titanium Dioxide. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 27422-27425.	4.0	62
7	High-Performance Triphase Bio-Photoelectrochemical Assay System Based on Superhydrophobic Substrate-Supported TiO <sub>2</sub> Nanowire Arrays. <i>Advanced Functional Materials</i> , 2018, 28, 1801483.	7.8	45
8	Control of Droplet Evaporation on Oil-Coated Surfaces for the Synthesis of Asymmetric Supraparticles. <i>Langmuir</i> , 2019, 35, 14042-14048.	1.6	29
9	Designing Anti-Icing Surfaces by Controlling Ice Formation. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100327.	1.9	29
10	Fabrication of Stretchable Superamphiphobic Surfaces with Deformation-Induced Rearrangeable Structures. <i>Advanced Materials</i> , 2022, 34, e2107901.	11.1	27
11	Use of Ion Exchange To Regulate the Heterogeneous Ice Nucleation Efficiency of Mica. <i>Journal of the American Chemical Society</i> , 2020, 142, 17956-17965.	6.6	26
12	Ice Recrystallization Inhibition Is Insufficient to Explain Cryopreservation Abilities of Antifreeze Proteins. <i>Biomacromolecules</i> , 2022, 23, 1214-1220.	2.6	17
13	Vapor Lubrication for Reducing Water and Ice Adhesion on Poly(dimethylsiloxane) Brushes. <i>Advanced Materials</i> , 2022, 34, .	11.1	17
14	Disaccharide Residues are Required for Native Antifreeze Glycoprotein Activity. <i>Biomacromolecules</i> , 2021, 22, 2595-2603.	2.6	16
15	Nonionic and Water-Soluble Poly(D,L-serine) as a Promising Biomedical Polymer for Cryopreservation. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 18454-18461.	4.0	14
16	Unraveling Molecular Mechanism on Dilute Surfactant Solution Controlled Ice Recrystallization. <i>Langmuir</i> , 2020, 36, 1691-1698.	1.6	8