

# Xinghua Wu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8400995/publications.pdf>

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15  
papers

1,157  
citations

687363

13  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1180  
citing authors

#	ARTICLE	IF	CITATIONS
1	Icephobic materials: Fundamentals, performance evaluation, and applications. <i>Progress in Materials Science</i> , 2019, 103, 509-557.	32.8	258
2	Development of Sol-gel Icephobic Coatings: Effect of Surface Roughness and Surface Energy. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 20685-20692.	8.0	146
3	Mechanically robust superhydrophobic and superoleophobic coatings derived by sol-gel method. <i>Materials and Design</i> , 2016, 89, 1302-1309.	7.0	130
4	A mechanically robust transparent coating for anti-icing and self-cleaning applications. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16043-16052.	10.3	99
5	Development of durable self-cleaning coatings using organic-inorganic hybrid sol-gel method. <i>Applied Surface Science</i> , 2015, 344, 205-212.	6.1	94
6	Durable Waterborne Hydrophobic Bio-Epoxy Coating with Improved Anti-Icing and Self-Cleaning Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 641-649.	6.7	77
7	When superhydrophobic coatings are icephobic: Role of surface topology. <i>Surface and Coatings Technology</i> , 2019, 358, 207-214.	4.8	76
8	Hydrophobic sol-gel coatings based on polydimethylsiloxane for self-cleaning applications. <i>Materials and Design</i> , 2015, 86, 855-862.	7.0	75
9	Design and durability study of environmental-friendly room-temperature processable icephobic coatings. <i>Chemical Engineering Journal</i> , 2019, 355, 901-909.	12.7	64
10	Transparent icephobic coatings using bio-based epoxy resin. <i>Materials and Design</i> , 2018, 140, 516-523.	7.0	49
11	A breathable and environmentally friendly superhydrophobic coating for anti-condensation applications. <i>Chemical Engineering Journal</i> , 2021, 412, 128725.	12.7	29
12	Solution-processed inorganic copper(i) thiocyanate as a hole injection layer for high-performance quantum dot-based light-emitting diodes. <i>RSC Advances</i> , 2017, 7, 26322-26327.	3.6	27
13	Mechanically Robust Transparent Anti-Icing Coatings: Roles of Dispersion Status of Titanate Nanotubes. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800773.	3.7	16
14	A polyester-silica anti-condensation surface with anti-fouling property. <i>Chemical Engineering Journal</i> , 2022, 440, 135934.	12.7	9
15	Clarifying the Correlation of Ice Adhesion Strength with Water Wettability and Surface Characteristics. <i>Langmuir</i> , 2020, 36, 12190-12201.	3.5	8