

# Xiaonan Shi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3161354/publications.pdf>

Version: 2024-02-01

11  
papers

722  
citations

933264

10  
h-index

1372474

10  
g-index

11  
all docs

11  
docs citations

11  
times ranked

833  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust superhydrophobic-superoleophilic polytetrafluoroethylene nanofibrous membrane for oil/water separation. <i>Journal of Membrane Science</i> , 2017, 540, 354-361.	4.1	178
2	Influences of Air, Oxygen, Nitrogen, and Carbon Dioxide Nanobubbles on Seed Germination and Plant Growth. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5117-5124.	2.4	120
3	Omniphobic PVDF nanofibrous membrane for superior anti-wetting performance in direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2020, 608, 118226.	4.1	75
4	Solvent-thermal induced roughening: A novel and versatile method to prepare superhydrophobic membranes. <i>Journal of Membrane Science</i> , 2018, 564, 465-472.	4.1	68
5	One-step tailoring surface roughness and surface chemistry to prepare superhydrophobic polyvinylidene fluoride (PVDF) membranes for enhanced membrane distillation performances. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 99-107.	5.0	66
6	UV-induced aggregation of polystyrene nanoplastics: effects of radicals, surface functional groups and electrolyte. <i>Environmental Science: Nano</i> , 2020, 7, 3914-3926.	2.2	57
7	Fast polydopamine coating on reverse osmosis membrane: Process investigation and membrane performance study. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 239-244.	5.0	48
8	Microalgae Filtration Using an Electrochemically Reactive Ceramic Membrane: Filtration Performances, Fouling Kinetics, and Foulant Layer Characteristics. <i>Environmental Science &amp; Technology</i> , 2020, 54, 2012-2021.	4.6	43
9	Impacts of microplastics on organotin(IV) photodegradation in aquatic environments. <i>Environmental Pollution</i> , 2020, 267, 115686.	3.7	38
10	Probing Internal Pressures and Long-Term Stability of Nanobubbles in Water. <i>Langmuir</i> , 2021, 37, 2514-2522.	1.6	29
11	Probing Surface Electrochemical Activity of Nanomaterials using a Hybrid Atomic Force Microscope-Scanning Electrochemical Microscope (AFM-SECM). <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	0