

# Na Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

3,749  
citations

186254

28  
h-index

265191

42  
g-index

42  
all docs

42  
docs citations

42  
times ranked

3785  
citing authors

#	ARTICLE	IF	CITATIONS
1	Special wettable materials for oil/water separation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2445-2460.	10.3	1,052
2	CO <sub>2</sub> -Responsive Nanofibrous Membranes with Switchable Oil/Water Wettability. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8934-8938.	13.8	276
3	A Solvothermal Route Decorated on Different Substrates: Controllable Separation of an Oil/Water Mixture to a Stabilized Nanoscale Emulsion. <i>Advanced Materials</i> , 2015, 27, 7349-7355.	21.0	218
4	Thermo-Driven Controllable Emulsion Separation by a Polymer-Decorated Membrane with Switchable Wettability. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5740-5745.	13.8	180
5	Superwetting Porous Materials for Wastewater Treatment: from Immiscible Oil/Water Mixture to Emulsion Separation. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600029.	3.7	175
6	Antioil Ag <sub>3</sub> PO <sub>4</sub> Nanoparticle/Polydopamine/Al <sub>2</sub> O <sub>3</sub> Sandwich Structure for Complex Wastewater Treatment: Dynamic Catalysis under Natural Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8019-8028.	6.7	134
7	A Facile Solvent-Manipulated Mesh for Reversible Oil/Water Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 12821-12826.	8.0	131
8	One-Step Coating toward Multifunctional Applications: Oil/Water Mixtures and Emulsions Separation and Contaminants Adsorption. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 3333-3339.	8.0	117
9	In situ ultrafast separation and purification of oil/water emulsions by superwetting TiO <sub>2</sub> nanocluster-based mesh. <i>Nanoscale</i> , 2016, 8, 8525-8529.	5.6	103
10	Ultralight free-standing reduced graphene oxide membranes for oil-in-water emulsion separation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20113-20117.	10.3	101
11	Polydopamine nanoparticles doped in liquid crystal elastomers for producing dynamic 3D structures. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6740-6746.	10.3	98
12	Straightforward Oxidation of a Copper Substrate Produces an Underwater Superoleophobic Mesh for Oil/Water Separation. <i>ChemPhysChem</i> , 2013, 14, 3489-3494.	2.1	91
13	Mussel-inspired chemistry and Stober method for highly stabilized water-in-oil emulsions separation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20439-20443.	10.3	78
14	Nanocomposite Deposited Membrane for Oil-in-Water Emulsion Separation with in Situ Removal of Anionic Dyes and Surfactants. <i>Langmuir</i> , 2017, 33, 7380-7388.	3.5	76
15	Breathing Demulsification: A Three-Dimensional (3D) Free-Standing Superhydrophilic Sponge. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 22264-22271.	8.0	73
16	A Pure Inorganic ZnO-Co <sub>3</sub> O <sub>4</sub> Overlapped Membrane for Efficient Oil/Water Emulsions Separation. <i>Scientific Reports</i> , 2015, 5, 9688.	3.3	72
17	One-Step Breaking and Separating Emulsion by Tungsten Oxide Coated Mesh. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 8108-8113.	8.0	57
18	Fabrication of robust mesh with anchored Ag nanoparticles for oil removal and in situ catalytic reduction of aromatic dyes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15822-15827.	10.3	55

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19	Electricity-induced switchable wettability and controllable water permeation based on 3D copper foam. <i>Chemical Communications</i> , 2015, 51, 16237-16240.	4.1	50
20	Superwetting copper meshes based on self-organized robust CuO nanorods: efficient water purification for <i>in situ</i> oil removal and visible light photodegradation. <i>Nanoscale</i> , 2018, 10, 4561-4569.	5.6	47
21	In situ dual-functional water purification with simultaneous oil removal and visible light catalysis. <i>Nanoscale</i> , 2016, 8, 18558-18564.	5.6	46
22	A fast and convenient cellulose hydrogel-coated colander for high-efficiency oil-water separation. <i>RSC Advances</i> , 2014, 4, 32544-32548.	3.6	44
23	Fabrication of a silica gel coated quartz fiber mesh for oil-water separation under strong acidic and concentrated salt conditions. <i>RSC Advances</i> , 2014, 4, 11447.	3.6	42
24	A versatile CeO <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> coated mesh for food wastewater treatment: Simultaneous oil removal and UV catalysis of food additives. <i>Water Research</i> , 2018, 137, 144-152.	11.3	41
25	A novel solution-controlled hydrogel coated mesh for oil/water separation based on monolayer electrostatic self-assembly. <i>RSC Advances</i> , 2014, 4, 51404-51410.	3.6	36
26	Facile fabrication of hydrogel coated membrane for controllable and selective oil-in-water emulsion separation. <i>Soft Matter</i> , 2018, 14, 2649-2654.	2.7	32
27	Polyacrylamide-Polydivinylbenzene Decorated Membrane for Sundry Ionic Stabilized Emulsions Separation via a Facile Solvothermal Method. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 21816-21823.	8.0	28
28	Fabrication of Silica Nanospheres Coated Membranes: towards the Effective Separation of Oil-in-Water Emulsion in Extremely Acidic and Concentrated Salty Environments. <i>Scientific Reports</i> , 2016, 6, 32540.	3.3	28
29	Hierarchical architectures of Ag clusters deposited biomimetic membrane: Synthesis, emulsion separation, catalytic and antibacterial performance. <i>Separation and Purification Technology</i> , 2020, 241, 116733.	7.9	25
30	A Facile Approach for Fabricating Dual-Function Membrane: Simultaneously Removing Oil from Water and Adsorbing Water-Soluble Proteins. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600291.	3.7	24
31	Recycling of PE glove waste as highly valuable products for efficient separation of oil-based contaminants from water. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18128-18133.	10.3	24
32	Polymer-Decorated Filter Material for Wastewater Treatment: In Situ Ultrafast Oil/Water Emulsion Separation and Azo Dye Adsorption. <i>Langmuir</i> , 2018, 34, 13192-13202.	3.5	19
33	Highly Durable Ag-CuO Heterostructure-Decorated Mesh for Efficient Oil/Water Separation and In Situ Photocatalytic Dye Degradation. <i>Energy and Environmental Materials</i> , 2020, , .	12.8	19
34	A MoS <sub>2</sub> nanosheet-coated mesh for pH-induced multi-pollutant water remediation with <i>in situ</i> electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6435-6441.	10.3	18
35	Construction of electron transport channels in type-I heterostructures of Bi <sub>2</sub> MoO <sub>6</sub> /BiVO <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> for improved charge carriers separation efficiency. <i>Journal of Colloid and Interface Science</i> , 2020, 567, 145-153.	9.4	18
36	Morphology-Induced TiO <sub>2</sub> Bandgap Change for Super Rapid Treatment of Dye Wastewater under Visible Light. <i>Advanced Materials Technologies</i> , 2017, 2, 1700125.	5.8	13

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37	Thermo-Driven Controllable Emulsion Separation by a Polymer-Decorated Membrane with Switchable Wettability. <i>Angewandte Chemie</i> , 2018, 130, 5842-5847.	2.0	13
38	PG-PEI-Ag NPs-Decorated Membrane for Pretreatment of Laboratory Wastewater: Simultaneous Removal of Water-Insoluble Organic Solvents and Water-Soluble Anionic Organic Pollutants. <i>Langmuir</i> , 2019, 35, 7680-7690.	3.5	9
39	Facile Fabrication of Highly Hydrophobic Onion-like Candle Soot-Coated Mesh for Durable Oil/Water Separation. <i>Nanomaterials</i> , 2022, 12, 761.	4.1	9
40	One-step reduction and simultaneous decoration on various porous substrates: toward oil filtration from water. <i>RSC Advances</i> , 2016, 6, 86019-86024.	3.6	4
41	Superwetting Ag <sub>2</sub> S-Fe <sub>2</sub> O <sub>3</sub> anchored mesh with enhanced photocatalytic and antibacterial activities for efficient water purification. <i>Green Energy and Environment</i> , 2024, 9, 89-103.	8.7	4