

# Jian Jin

## List of Publications by Citations

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137  
papers

11,836  
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52  
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144  
ext. papers

13,827  
ext. citations

10.1  
avg, IF

6.78  
L-index

#	Paper	IF	Citations
137	Superhydrophobic and superoleophilic PVDF membranes for effective separation of water-in-oil emulsions with high flux. <i>Advanced Materials</i> , <b>2013</b> , 25, 2071-6	24	869
136	Nanowire-haired inorganic membranes with superhydrophilicity and underwater ultralow adhesive superoleophobicity for high-efficiency oil/water separation. <i>Advanced Materials</i> , <b>2013</b> , 25, 4192-8	24	689
135	Salt-induced fabrication of superhydrophilic and underwater superoleophobic PAA-g-PVDF membranes for effective separation of oil-in-water emulsions. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 856-60	16.4	588
134	Recent progress in developing advanced membranes for emulsified oil/water separation. <i>NPG Asia Materials</i> , <b>2014</b> , 6, e101-e101	10.3	479
133	Ultrafast separation of emulsified oil/water mixtures by ultrathin free-standing single-walled carbon nanotube network films. <i>Advanced Materials</i> , <b>2013</b> , 25, 2422-7	24	453
132	Photoinduced superwetting single-walled carbon nanotube/TiO <sub>2</sub> ultrathin network films for ultrafast separation of oil-in-water emulsions. <i>ACS Nano</i> , <b>2014</b> , 8, 6344-52	16.7	314
131	Nanoparticle-templated nanofiltration membranes for ultrahigh performance desalination. <i>Nature Communications</i> , <b>2018</b> , 9, 2004	17.4	294
130	A novel zwitterionic polyelectrolyte grafted PVDF membrane for thoroughly separating oil from water with ultrahigh efficiency. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 5758	13	291
129	Ultrafast permeation of water through protein-based membranes. <i>Nature Nanotechnology</i> , <b>2009</b> , 4, 353-357	28.7	274
128	Layered assembly of graphene oxide and Co-Al layered double hydroxide nanosheets as electrode materials for supercapacitors. <i>Chemical Communications</i> , <b>2011</b> , 47, 3556-8	5.8	268
127	A Robust Polyionized Hydrogel with an Unprecedented Underwater Anti-Crude-Oil-Adhesion Property. <i>Advanced Materials</i> , <b>2016</b> , 28, 5307-14	24	262
126	Interface chemistry engineering for stable cycling of reduced GO/SnO <sub>2</sub> nanocomposites for lithium ion battery. <i>Nano Letters</i> , <b>2013</b> , 13, 1711-6	11.5	256
125	Layered Co(OH) <sub>2</sub> Nanocones as Electrode Materials for Pseudocapacitors: Understanding the Effect of Interlayer Space on Electrochemical Activity. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 2758-2764	15.6	250
124	Interfacial Design of Mixed Matrix Membranes for Improved Gas Separation Performance. <i>Advanced Materials</i> , <b>2016</b> , 28, 3399-405	24	243
123	Zwitterionic Nanohydrogel Grafted PVDF Membranes with Comprehensive Antifouling Property and Superior Cycle Stability for Oil-in-Water Emulsion Separation. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1804121	15.6	237
122	Cupric Phosphate Nanosheets-Wrapped Inorganic Membranes with Superhydrophilic and Outstanding Anticrude Oil-Fouling Property for Oil/Water Separation. <i>ACS Nano</i> , <b>2018</b> , 12, 795-803	16.7	231
121	Single-Walled Carbon Nanotube Film Supported Nanofiltration Membrane with a Nearly 10 nm Thick Polyamide Selective Layer for High-Flux and High-Rejection Desalination. <i>Small</i> , <b>2016</b> , 12, 5034-5041	11	214

120	Photothermal-Responsive Single-Walled Carbon Nanotube-Based Ultrathin Membranes for On/Off Switchable Separation of Oil-in-Water Nanoemulsions. <i>ACS Nano</i> , <b>2015</b> , 9, 4835-42	16.7	213
119	Bio-inspired surface-functionalization of graphene oxide for the adsorption of organic dyes and heavy metal ions with a superhigh capacity. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5034-5040	13	207
118	SWCNT-intercalated GO ultrathin films for ultrafast separation of molecules. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 6649-6654	13	184
117	Superhydrophilic In-Situ-Cross-Linked Zwitterionic Polyelectrolyte/PVDF-Blend Membrane for Highly Efficient Oil/Water Emulsion Separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 9603-9613	9.5	183
116	Layer-by-layer engineered Co-Al hydroxide nanosheets/graphene multilayer films as flexible electrode for supercapacitor. <i>Langmuir</i> , <b>2012</b> , 28, 293-8	4	177
115	Layer-by-Layer Construction of Cu <sup>2+</sup> /Alginate Multilayer Modified Ultrafiltration Membrane with Bioinspired Superwetting Property for High-Efficient Crude-Oil-in-Water Emulsion Separation. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1801944	15.6	164
114	Novel Janus Membrane for Membrane Distillation with Simultaneous Fouling and Wetting Resistance. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 13304-13310	10.3	163
113	Polyamide nanofiltration membrane with highly uniform sub-nanometre pores for sub-1 µ precision separation. <i>Nature Communications</i> , <b>2020</b> , 11, 2015	17.4	153
112	Self-Assembly of Uniform Spherical Aggregates of Magnetic Nanoparticles through π-π Interactions. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 2135-2138	16.4	149
111	Ultrathin Polyamide Nanofiltration Membrane Fabricated on Brush-Painted Single-Walled Carbon Nanotube Network Support for Ion Sieving. <i>ACS Nano</i> , <b>2019</b> , 13, 5278-5290	16.7	145
110	Sol-gel preparation of PAA-g-PVDF/TiO <sub>2</sub> nanocomposite hollow fiber membranes with extremely high water flux and improved antifouling property. <i>Journal of Membrane Science</i> , <b>2013</b> , 432, 25-32	9.6	143
109	Triethylamine-Based Microporous Polyimide Membranes for High-Performance Gas Separation. <i>ACS Macro Letters</i> , <b>2014</b> , 3, 597-601	6.6	138
108	Phase transformation guided single-layer Co(OH) <sub>2</sub> nanosheets for pseudocapacitive electrodes. <i>ACS Nano</i> , <b>2014</b> , 8, 3724-34	16.7	130
107	An ultrathin bilayer membrane with asymmetric wettability for pressure responsive oil/water emulsion separation. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 23477-23482	13	128
106	Alkaline-induced superhydrophilic/underwater superoleophobic polyacrylonitrile membranes with ultralow oil-adhesion for high-efficient oil/water separation. <i>Journal of Membrane Science</i> , <b>2016</b> , 513, 67-73	9.6	125
105	Superwetting polymer-decorated SWCNT composite ultrathin films for ultrafast separation of oil-in-water nanoemulsions. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 2895-2902	13	123
104	Interface chemistry guided long-cycle-life Li-S battery. <i>Nano Letters</i> , <b>2013</b> , 13, 4206-11	11.5	115
103	A few-layered Ti <sub>3</sub> C <sub>2</sub> nanosheet/glass fiber composite separator as a lithium polysulphide reservoir for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 5993-5998	13	112

102	Optimizing the Volmer Step by Single-Layer Nickel Hydroxide Nanosheets in Hydrogen Evolution Reaction of Platinum. <i>ACS Catalysis</i> , <b>2015</b> , 5, 3801-3806	13.1	108
101	A comparative study of composition and morphology effect of Ni(x)Co(1-x)(OH) <sub>2</sub> on oxygen evolution/reduction reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 10172-80	9.5	107
100	Ultrathin membranes of single-layered MoS <sub>2</sub> nanosheets for high-permeance hydrogen separation. <i>Nanoscale</i> , <b>2015</b> , 7, 17649-52	7.7	106
99	General method for ultrathin free-standing films of nanofibrous composite materials. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 8625-33	16.4	105
98	Microporous Polyimides with Rationally Designed Chain Structure Achieving High Performance for Gas Separation. <i>Macromolecules</i> , <b>2014</b> , 47, 7477-7483	5.5	103
97	Tailoring surface charge and wetting property for robust oil-fouling mitigation in membrane distillation. <i>Journal of Membrane Science</i> , <b>2016</b> , 516, 113-122	9.6	98
96	Thickness-controlled synthesis of ultrathin Au sheets and surface plasmonic property. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 12544-7	16.4	89
95	Platinum-nickel hydroxide nanocomposites for electrocatalytic reduction of water. <i>Nano Energy</i> , <b>2017</b> , 31, 456-461	17.1	88
94	Triethylamine base-based copolymers with intrinsic microporosity for CO <sub>2</sub> separation and effect of triethylamine base on separation performance. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 2793-2800	4.9	88
93	Covalent bond glued sulfur nanosheet-based cathode integration for long-cycle-life Li-S batteries. <i>Nano Letters</i> , <b>2013</b> , 13, 6244-50	11.5	87
92	Polymers of intrinsic microporosity/metal-organic framework hybrid membranes with improved interfacial interaction for high-performance CO <sub>2</sub> separation. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 10968-10977	13	79
91	Novel polymer-free iridescent lamellar hydrogel for two-dimensional confined growth of ultrathin gold membranes. <i>Nature Communications</i> , <b>2014</b> , 5, 3313	17.4	73
90	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 1803-1915	7.8	70
89	Porous superstructures constructed from ultrafine FeP nanoparticles for highly active and exceptionally stable hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 6387-6392	13	65
88	pH-Induced non-fouling membrane for effective separation of oil-in-water emulsion. <i>Journal of Membrane Science</i> , <b>2015</b> , 477, 131-138	9.6	60
87	Formation of Positively Charged Copper Hydroxide Nanostrands and Their Structural Characterization. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 1795-1802	9.6	59
86	Hydrogel-embedded tight ultrafiltration membrane with superior anti-dye-fouling property for low-pressure driven molecule separation. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 2927-2934	13	53
85	Thin-film nanocomposite nanofiltration membrane with an ultrathin polyamide/UIO-66-NH <sub>2</sub> active layer for high-performance desalination. <i>Journal of Membrane Science</i> , <b>2020</b> , 600, 117874	9.6	52

84	In situ growth of single-layered Ni(OH) <sub>2</sub> nanosheets on a carbon cloth for highly efficient electrocatalytic oxidation of urea. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 13867-13873	13	51
83	Surfactant-assisted fabrication of free-standing inorganic sheets covering an array of micrometre-sized holes. <i>Nature Materials</i> , <b>2007</b> , 6, 686-91	27	51
82	Microsphere-Fiber Interpenetrated Superhydrophobic PVDF Microporous Membranes with Improved Waterproof and Breathable Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 28210-28218	9.5	48
81	Fabrication of Superstrong Ultrathin Free-Standing Single-Walled Carbon Nanotube Films via a Wet Process. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 4358-4363	15.6	46
80	Plating Precious Metals on Nonprecious Metal Nanoparticles for Sustainable Electrocatalysts. <i>Nano Letters</i> , <b>2017</b> , 17, 3391-3395	11.5	45
79	Salt-Induced Fabrication of Superhydrophilic and Underwater Superoleophobic PAA-g-PVDF Membranes for Effective Separation of Oil-in-Water Emulsions. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 875-879 <sup>3.6</sup>	3.6	45
78	Spontaneous growth of free-standing polypyrrole films at an air/ionic liquid interface. <i>Langmuir</i> , <b>2010</b> , 26, 14405-8	4	44
77	Time-dependent growth of zinc hydroxide nanostrands and their crystal structure. <i>Chemical Communications</i> , <b>2008</b> , 1904-6	5.8	43
76	Rh nanoparticles supported on ultrathin carbon nanosheets for high-performance oxygen reduction reaction and catalytic hydrogenation. <i>Nanoscale</i> , <b>2017</b> , 9, 1834-1839	7.7	42
75	A Novel Architecture for Carbon Nanotube Membranes towards Fast and Efficient Oil/water Separation. <i>Scientific Reports</i> , <b>2018</b> , 8, 7418	4.9	39
74	Monoglyceride-based organogelator for broad-range oil uptake with high capacity. <i>Langmuir</i> , <b>2015</b> , 31, 1670-4	4	38
73	Ultrathin microporous membrane with high oil intrusion pressure for effective oil/water separation. <i>Journal of Membrane Science</i> , <b>2020</b> , 608, 118201	9.6	36
72	Zwitterionic Nanofibrous Membranes with a Superior Antifouling Property for Gravity-Driven Crude Oil-in-Water Emulsion Separation. <i>Langmuir</i> , <b>2019</b> , 35, 1682-1689	4	36
71	MOF Nanosheet-Based Mixed Matrix Membranes with Metal-Organic Coordination Interfacial Interaction for Gas Separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 49101-49110	9.5	35
70	Carbon Molecular Sieve Membranes Derived from Tröger's Base-Based Microporous Polyimide for Gas Separation. <i>ChemSusChem</i> , <b>2018</b> , 11, 916-923	8.3	34
69	Boosting Alkaline Hydrogen Evolution Activity with Ni-Doped MoS <sub>2</sub> /Reduced Graphene Oxide Hybrid Aerogel. <i>ChemSusChem</i> , <b>2019</b> , 12, 457-466	8.3	33
68	Interface chemistry engineering of protein-directed SnO <sub>2</sub> nanocrystal-based anode for lithium-ion batteries with improved performance. <i>Small</i> , <b>2014</b> , 10, 998-1007	11	31
67	Ultralarge Single-Layer Porous Protein Nanosheet for Precise Nanosize Separation. <i>Nano Letters</i> , <b>2018</b> , 18, 6563-6569	11.5	31

66	Nanostructured Three-Dimensional Percolative Channels for Separation of Oil-in-Water Emulsions. <i>IScience</i> , <b>2018</b> , 6, 289-298	6.1	31
65	A high performance three-phase enzyme electrode based on superhydrophobic mesoporous silicon nanowire arrays for glucose detection. <i>Nanoscale</i> , <b>2016</b> , 8, 7391-5	7.7	29
64	Nanoporous film-mediated growth of ultrathin and continuous metal-organic framework membranes for high-performance hydrogen separation. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 1962-1966	13.6	28
63	Ultrafast Ion Sieving from Honeycomb-like Polyamide Membranes Formed Using Porous Protein Assemblies. <i>Nano Letters</i> , <b>2020</b> , 20, 5821-5829	11.5	24
62	Thermoresponsive Ultrathin Membranes with Precisely Tuned Nanopores for High-Flux Separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 13607-14	9.5	24
61	Micro/nano hierarchical poly(acrylic acid)-grafted-poly(vinylidene fluoride) layer coated foam membrane for temperature-controlled separation of heavy oil/water. <i>Separation and Purification Technology</i> , <b>2015</b> , 156, 207-214	8.3	22
60	Unique lift-off of droplet impact on high temperature nanotube surfaces. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 091605	3.4	21
59	Dried foam films: self-standing, water-free, reversed bilayers of amphiphilic compounds. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 4532-5	16.4	21
58	Cupric phosphate mineralized polymer membrane with superior cycle stability for oil/water emulsion separation. <i>Journal of Membrane Science</i> , <b>2020</b> , 612, 118427	9.6	19
57	Advancement in liquid exfoliation of graphite through simultaneously oxidizing and ultrasonication. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 20382-20392	13	19
56	Mineralized growth of Janus membrane with asymmetric wetting property for fast separation of a trace of blood. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 4876-4882	7.3	17
55	Ultrathin Membranes: A New Opportunity for Ultrafast and Efficient Separation. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 1901069	6.8	17
54	High-performance polyamide nanofiltration membrane with arch-bridge structure on a highly hydrated cellulose nanofiber support. <i>Science China Materials</i> , <b>2020</b> , 63, 2570-2581	7.1	16
53	W18O49 nanowire composites as novel barrier layers for LiS batteries based on high loading of commercial micro-sized sulfur. <i>RSC Advances</i> , <b>2016</b> , 6, 15234-15239	3.7	16
52	A microporous polymer ultrathin membrane for the highly efficient removal of dyes from acidic saline solutions. <i>Journal of Membrane Science</i> , <b>2020</b> , 603, 118027	9.6	15
51	Mechanical properties of free-standing single layers of metallic nanocrystals. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 858-861		15
50	Bioinspired membranes for multi-phase liquid and molecule separation. <i>Science China Chemistry</i> , <b>2019</b> , 62, 14-23	7.9	15
49	Design of interchain hydrogen bond in polyimide membrane for improved gas selectivity and membrane stability. <i>Journal of Membrane Science</i> , <b>2021</b> , 618, 118659	9.6	15

48	A Single-Walled Carbon Nanotube/Covalent Organic Framework Nanocomposite Ultrathin Membrane with High Organic Solvent Resistance for Molecule Separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 53096-53103	9.5	13
47	Bio-inspired vertically aligned polyaniline nanofiber layers enabling extremely high-efficiency solar membrane distillation for water purification. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 10678-10684	13	13
46	Ultrathin Nanofiltration Membrane from Confined Polymerization within the Nanowire Network for High Efficiency Divalent Cation Removal. <i>ACS Macro Letters</i> , <b>2019</b> , 8, 1240-1246	6.6	12
45	Effect of Electrolyte Pretreatment on the Formation of TiO <sub>2</sub> Nanotubes: An Ignored yet Non-negligible Factor. <i>ChemElectroChem</i> , <b>2018</b> , 5, 1006-1012	4.3	12
44	Superspreading-Based Fabrication of Asymmetric Porous PAA-g-PVDF Membranes for Efficient Water Flow Gating. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600615	4.6	12
43	Free-standing single-walled carbon nanotube-CdSe quantum dots hybrid ultrathin films for flexible optoelectronic conversion devices. <i>Nanoscale</i> , <b>2012</b> , 4, 4515-21	7.7	12
42	Adamantane-grafted polymer of intrinsic microporosity with finely tuned interchain spacing for improved CO <sub>2</sub> separation performance. <i>Separation and Purification Technology</i> , <b>2020</b> , 233, 116008	8.3	12
41	Constructing Strong Interfacial Interactions under Mild Conditions in MOF-Incorporated Mixed Matrix Membranes for Gas Separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 3166-3174	9.5	12
40	Single-layered GO/LDH hybrid nanoporous membranes with improved stability for salt and organic molecules rejection. <i>Journal of Membrane Science</i> , <b>2020</b> , 607, 118184	9.6	11
39	Conformal Filling of TiO <sub>2</sub> Nanotubes with Dense M <sub>x</sub> S <sub>y</sub> Films for 3D Heterojunctions: The Anion Effect. <i>ChemElectroChem</i> , <b>2019</b> , 6, 1177-1182	4.3	10
38	High performance metal oxide based sensing device using an electrode with a solid/liquid/air triphase interface. <i>Nano Research</i> , <b>2017</b> , 10, 2998-3004	10	9
37	Two-Dimensional Microporous Material-based Mixed Matrix Membranes for Gas Separation. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 2303-2315	4.5	9
36	2D Confined-Space Assisted Growth of Molecular-Level-Thick Polypyrrole Sheets with High Conductivity and Transparency. <i>Macromolecular Rapid Communications</i> , <b>2016</b> , 37, 590-6	4.8	9
35	Organized Molecular Interface-Induced Noncrystallizable Polymer Ultrathin Nanosheets with Ordered Chain Alignment. <i>ACS Nano</i> , <b>2016</b> , 10, 948-56	16.7	9
34	Two-dimensional fractal nanocrystals templating for substantial performance enhancement of polyamide nanofiltration membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	9
33	Mixed matrix membranes with highly dispersed MOF nanoparticles for improved gas separation. <i>Separation and Purification Technology</i> , <b>2021</b> , 277, 119449	8.3	9
32	Protein-inspired synthesis of SnO <sub>2</sub> nanocrystals with controlled carbon nanocoating as anode materials for lithium-ion battery. <i>RSC Advances</i> , <b>2013</b> , 3, 1307-1310	3.7	8
31	Free-standing nanofibrous platinum sheets and their conductivity. <i>Chemical Communications</i> , <b>2006</b> , 4688-90	5.9	8

30	In-situ generation of polymer molecular sieves in polymer membranes for highly selective gas separation. <i>Journal of Membrane Science</i> , <b>2021</b> , 630, 119302	9.6	8
29	Metal ion cross-linked nanoporous polymeric membranes with improved organic solvent resistance for molecular separation. <i>Journal of Membrane Science</i> , <b>2021</b> , 621, 119002	9.6	7
28	Polyamide Thin Films Grown on PD/SWCNT-Interlayered-PTFE Microfiltration Membranes for High-Permeance Organic Solvent Nanofiltration. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 22533-22540	3.9	6
27	Free-standing, single-bilayer-thick polymeric nanosheets via spatially confined polymerization. <i>Macromolecular Rapid Communications</i> , <b>2014</b> , 35, 1055-60	4.8	6
26	Effects on Carbon Molecular Sieve Membrane Properties for a Precursor Polyimide with Simultaneous Flatness and Contortion in the Repeat Unit. <i>ChemSusChem</i> , <b>2020</b> , 13, 5531-5538	8.3	6
25	Double-Defense Design of Super-Anti-Fouling Membranes for Oil/Water Emulsion Separation. <i>Advanced Functional Materials</i> , 2113247	15.6	6
24	Nanomechanical properties of reversed surfactant bilayers formed in micrometre-sized holes. <i>Chemical Communications</i> , <b>2008</b> , 954-6	5.8	5
23	Zwitterionic Nanohydrogels-Decorated Microporous Membrane with Ultrasensitive Salt Responsiveness for Controlled Water Transport. <i>Small</i> , <b>2020</b> , 16, e1903925	11	5
22	Polyamide Nanofiltration Membranes from Emulsion-Mediated Interfacial Polymerization. <i>ACS ES&amp;T Engineering</i> , <b>2021</b> , 1, 533-542		5
21	Thermal and mechanical properties of dried foam films and their incorporation of water-soluble compounds. <i>Langmuir</i> , <b>2010</b> , 26, 10506-12	4	4
20	Film levitation and central jet of droplet impact on nanotube surface at superheated conditions. <i>Physical Review E</i> , <b>2020</b> , 102, 043108	2.4	4
19	Efficient demulsification of ultralow-concentration crude oil-in-water emulsion by three-dimensional superhydrophilic channels. <i>Science China Materials</i> , 1	7.1	4
18	Polyamide nanofiltration membrane with high mono/divalent salt selectivity via pre-diffusion interfacial polymerization. <i>Journal of Membrane Science</i> , <b>2021</b> , 636, 119478	9.6	4
17	Micelle-assisted fabrication of gel-like PEDOT microspheres: in situ observation of the growth process. <i>Soft Matter</i> , <b>2011</b> , 7, 2682	3.6	3
16	Superhydrophilic Sub-1-nm Porous Membrane with Electroneutral Surface for Nonselective Transport of Small Organic Molecules. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 38778-38787	9.5	3
15	Thermally Cross-Linked Amidoxime-Functionalized Polymers of Intrinsic Microporosity Membranes for Highly Selective Hydrogen Separation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 9426-9435	8.3	3
14	Thin-film composite nanofiltration membrane with unprecedented stability in strong acid for highly selective dye/NaCl separation. <i>Journal of Membrane Science</i> , <b>2022</b> , 645, 120189	9.6	2
13	Polyamide Nanofiltration Membranes from Surfactant-Assembly Regulated Interfacial Polymerization: The Effect of Alkyl Chain. <i>Macromolecular Chemistry and Physics</i> , 2100222	2.6	2



12	g-C <sub>3</sub> N <sub>4</sub> Nanofibers Network Reinforced Polyamide Nanofiltration Membrane for Fast Desalination. <i>Separation and Purification Technology</i> , <b>2022</b> , 121125	8.3	2
11	Nanowire Oriented On-Surface Growth of Chiral Cystine Crystalline Nanosheets. <i>Langmuir</i> , <b>2015</b> , 31, 8795-801	4	1
10	Charge gradient-induced on-surface growth of ultralarge single-crystalline Ag nanomembranes for long surface plasmon propagation. <i>Chemical Communications</i> , <b>2015</b> , 51, 1957-60	5.8	1
9	Effect of degumming ph value on electrospinning of silk fibroin. <i>Thermal Science</i> , <b>2014</b> , 18, 1703-1704	1.2	1
8	Calcium Ion Coordinated Polyamide Nanofiltration Membrane for Ultrahigh Perm-selectivity Desalination. <i>Chemical Research in Chinese Universities</i> , <b>2021</b> , 37, 1101	2.2	1
7	Ultrapermearable polyamide nanofiltration membrane formed on a self-constructed cellulose nanofibers interlayer. <i>Chemical Engineering Research and Design</i> , <b>2022</b> , 179, 249-256	5.5	0
6	Pseudo-zwitterions self-assembled from polycation and anion clusters showing exceptional water-cleanable anti-crude-oil-adhesion property. <i>IScience</i> , <b>2021</b> , 24, 102964	6.1	0
5	Enhancing the CO <sub>2</sub> plasticization resistance of thin polymeric membranes by designing Metal-polymer complexes. <i>Separation and Purification Technology</i> , <b>2022</b> , 289, 120699	8.3	0
4	Hydrophilic/hydrophobic nanofibres intercalated multilayer membrane with hierarchical structure for efficient oil/water separation. <i>Separation and Purification Technology</i> , <b>2022</b> , 288, 120672	8.3	0
3	Polyamide Nanofiltration Membrane from Surfactant-assembly Regulated Interfacial Polymerization of 2-Methylpiperazine for Divalent Cations Removal. <i>Chemical Research in Chinese Universities</i> , <b>2021</b> , 37, 1101	2.2	0
2	Micrometer-sized MOF particles incorporated mixed-matrix membranes driven by $\pi$ -interfacial interactions for improved gas separation. <i>Separation and Purification Technology</i> , <b>2022</b> , 121258	8.3	0
1	Ionic strength directed self-assembled polyelectrolyte single-bilayer membrane for low-pressure nanofiltration. <i>Frontiers of Chemical Science and Engineering</i> , <b>2021</b> , 16, 102964	4.5	0