

Yuzhang Zhu

List of Publications by Year in descending order

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44
papers

5,993
citations

196777

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263392

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docs citations

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times ranked

5127
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Thin-film composite nanofiltration membrane with unprecedented stability in strong acid for highly selective dye/NaCl separation. <i>Journal of Membrane Science</i> , 2022, 645, 120189. | 4.1 | 23 |
| 2 | Ultrapерmeable polyamide nanofiltration membrane formed on a self-constructed cellulose nanofibers interlayer. <i>Chemical Engineering Research and Design</i> , 2022, 179, 249-256. | 2.7 | 7 |
| 3 | Double-Defense Design of Super-Anti-Fouling Membranes for Oil/Water Emulsion Separation. <i>Advanced Functional Materials</i> , 2022, 32, . | 7.8 | 129 |
| 4 | Hydrophilic/hydrophobic nanofibres intercalated multilayer membrane with hierarchical structure for efficient oil/water separation. <i>Separation and Purification Technology</i> , 2022, 288, 120672. | 3.9 | 14 |
| 5 | Polyamide Nanofiltration Membrane from Surfactant-assembly Regulated Interfacial Polymerization of 2-Methylpiperazine for Divalent Cations Removal. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 782-789. | 1.3 | 3 |
| 6 | g-C ₃ N ₄ nanofibers network reinforced polyamide nanofiltration membrane for fast desalination. <i>Separation and Purification Technology</i> , 2022, 293, 121125. | 3.9 | 18 |
| 7 | Dual-skin layer nanofiltration membranes for highly selective Li ⁺ /Mg ²⁺ separation. <i>Journal of Membrane Science</i> , 2021, 620, 118862. | 4.1 | 118 |
| 8 | Polyamide Nanofiltration Membranes from Emulsion-Mediated Interfacial Polymerization. <i>ACS ES&T Engineering</i> , 2021, 1, 533-542. | 3.7 | 23 |
| 9 | Polyamide Nanofiltration Membranes from Surfactant-Assembly Regulated Interfacial Polymerization: The Effect of Alkyl Chain. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2100222. | 1.1 | 12 |
| 10 | 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> , 2021, 118, . | 3.3 | 52 |
| 11 | Pseudo-zwitterions self-assembled from polycation and anion clusters showing exceptional water-cleanable anti-crude-oil-adhesion property. <i>IScience</i> , 2021, 24, 102964. | 1.9 | 4 |
| 12 | Calcium Ion Coordinated Polyamide Nanofiltration Membrane for Ultrahigh Perm-selectivity Desalination. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 1101-1109. | 1.3 | 5 |
| 13 | Polyamide nanofiltration membrane with high mono/divalent salt selectivity via pre-diffusion interfacial polymerization. <i>Journal of Membrane Science</i> , 2021, 636, 119478. | 4.1 | 62 |
| 14 | Zwitterionic Nanohydrogels-Decorated Microporous Membrane with Ultrasensitive Salt Responsiveness for Controlled Water Transport. <i>Small</i> , 2020, 16, e1903925. | 5.2 | 16 |
| 15 | A Single-Walled Carbon Nanotube/Covalent Organic Framework Nanocomposite Ultrathin Membrane with High Organic Solvent Resistance for Molecule Separation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53096-53103. | 4.0 | 30 |
| 16 | Superhydrophilic Sub-1-nm Porous Membrane with Electroneutral Surface for Nonselective Transport of Small Organic Molecules. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38778-38787. | 4.0 | 8 |
| 17 | Polyamide Thin Films Grown on PD/SWCNT-Interlayered-PTFE Microfiltration Membranes for High-Permeance Organic Solvent Nanofiltration. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 22533-22540. | 1.8 | 31 |
| 18 | High-performance polyamide nanofiltration membrane with arch-bridge structure on a highly hydrated cellulose nanofiber support. <i>Science China Materials</i> , 2020, 63, 2570-2581. | 3.5 | 35 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | A microporous polymer ultrathin membrane for the highly efficient removal of dyes from acidic saline solutions. <i>Journal of Membrane Science</i> , 2020, 603, 118027. | 4.1 | 19 |
| 20 | Cupric phosphate mineralized polymer membrane with superior cycle stability for oil/water emulsion separation. <i>Journal of Membrane Science</i> , 2020, 612, 118427. | 4.1 | 56 |
| 21 | Ultrafast Ion Sieving from Honeycomb-like Polyamide Membranes Formed Using Porous Protein Assemblies. <i>Nano Letters</i> , 2020, 20, 5821-5829. | 4.5 | 46 |
| 22 | Thin-film nanocomposite nanofiltration membrane with an ultrathin polyamide/UIO-66-NH ₂ active layer for high-performance desalination. <i>Journal of Membrane Science</i> , 2020, 600, 117874. | 4.1 | 89 |
| 23 | Ultrathin microporous membrane with high oil intrusion pressure for effective oil/water separation. <i>Journal of Membrane Science</i> , 2020, 608, 118201. | 4.1 | 59 |
| 24 | Polyamide nanofiltration membrane with highly uniform sub-nanometre pores for sub-1% ^o ... precision separation. <i>Nature Communications</i> , 2020, 11, 2015. | 5.8 | 398 |
| 25 | Ultrathin Nanofiltration Membrane from Confined Polymerization within the Nanowire Network for High Efficiency Divalent Cation Removal. <i>ACS Macro Letters</i> , 2019, 8, 1240-1246. | 2.3 | 22 |
| 26 | Ultrathin Polyamide Nanofiltration Membrane Fabricated on Brush-Painted Single-Walled Carbon Nanotube Network Support for Ion Sieving. <i>ACS Nano</i> , 2019, 13, 5278-5290. | 7.3 | 268 |
| 27 | Zwitterionic Nanofibrous Membranes with a Superior Antifouling Property for Gravity-Driven Crude Oil-in-Water Emulsion Separation. <i>Langmuir</i> , 2019, 35, 1682-1689. | 1.6 | 56 |
| 28 | Hydrogel-embedded tight ultrafiltration membrane with superior anti-dye-fouling property for low-pressure driven molecule separation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2927-2934. | 5.2 | 80 |
| 29 | Cupric Phosphate Nanosheets-Wrapped Inorganic Membranes with Superhydrophilic and Outstanding Anticrude Oil-Fouling Property for Oil/Water Separation. <i>ACS Nano</i> , 2018, 12, 795-803. | 7.3 | 317 |
| 30 | Nanoparticle-templated nanofiltration membranes for ultrahigh performance desalination. <i>Nature Communications</i> , 2018, 9, 2004. | 5.8 | 457 |
| 31 | Layer-by-Layer Construction of Cu ²⁺ /Alginate Multilayer Modified Ultrafiltration Membrane with Bioinspired Superwetting Property for High Efficient Crude Oil-in-Water Emulsion Separation. <i>Advanced Functional Materials</i> , 2018, 28, 1801944. | 7.8 | 256 |
| 32 | Zwitterionic Nanohydrogel Grafted PVDF Membranes with Comprehensive Antifouling Property and Superior Cycle Stability for Oil-in-Water Emulsion Separation. <i>Advanced Functional Materials</i> , 2018, 28, 1804121. | 7.8 | 379 |
| 33 | Superhydrophilic In-Situ-Cross-Linked Zwitterionic Polyelectrolyte/PVDF-Blend Membrane for Highly Efficient Oil/Water Emulsion Separation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9603-9613. | 4.0 | 238 |
| 34 | Plating Precious Metals on Nonprecious Metal Nanoparticles for Sustainable Electrocatalysts. <i>Nano Letters</i> , 2017, 17, 3391-3395. | 4.5 | 61 |
| 35 | Novel Janus Membrane for Membrane Distillation with Simultaneous Fouling and Wetting Resistance. <i>Environmental Science & Technology</i> , 2017, 51, 13304-13310. | 4.6 | 227 |
| 36 | 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> , 2016, 12, 5034-5041. | 5.2 | 298 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Thermoresponsive Ultrathin Membranes with Precisely Tuned Nanopores for High-Flux Separation. ACS Applied Materials & Interfaces, 2016, 8, 13607-13614. | 4.0 | 40 |
| 38 | Alkaline-induced superhydrophilic/underwater superoleophobic polyacrylonitrile membranes with ultralow oil-adhesion for high-efficient oil/water separation. Journal of Membrane Science, 2016, 513, 67-73. | 4.1 | 154 |
| 39 | pH-Induced non-fouling membrane for effective separation of oil-in-water emulsion. Journal of Membrane Science, 2015, 477, 131-138. | 4.1 | 72 |
| 40 | Micro/nano hierarchical poly(acrylic acid)-grafted-poly(vinylidene fluoride) layer coated foam membrane for temperature-controlled separation of heavy oil/water. Separation and Purification Technology, 2015, 156, 207-214. | 3.9 | 26 |
| 41 | An ultrathin bilayer membrane with asymmetric wettability for pressure responsive oil/water emulsion separation. Journal of Materials Chemistry A, 2015, 3, 23477-23482. | 5.2 | 146 |
| 42 | Salt-Induced Fabrication of Superhydrophilic and Underwater Superoleophobic PAA-g-PVDF Membranes for Effective Separation of Oil-in-Water Emulsions. Angewandte Chemie - International Edition, 2014, 53, 856-860. | 7.2 | 673 |
| 43 | Recent progress in developing advanced membranes for emulsified oil/water separation. NPG Asia Materials, 2014, 6, e101-e101. | 3.8 | 584 |
| 44 | A novel zwitterionic polyelectrolyte grafted PVDF membrane for thoroughly separating oil from water with ultrahigh efficiency. Journal of Materials Chemistry A, 2013, 1, 5758. | 5.2 | 330 |