

Feng Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

4,205
citations

361413
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330143
37
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docs citations

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times ranked

4117
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Flowerlike FeO _x /MnO _x Amorphous Oxides Anchored on PTFE/PPS Membrane for Efficient Dust Filtration and Low-Temperature NO Reduction. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 5816-5824. | 3.7 | 10 |
| 2 | Prediction and Optimization of Interlayer-Interface Resistance for Expanded Polytetrafluoroethylene-Laminated Polyphenylene Sulfide Composite Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 6662-6672. | 3.7 | 5 |
| 3 | Spatially confined growth of carbon nanotubes in the pore channels of microporous ceramic supports with improved filtration efficiency. <i>Nanoscale</i> , 2022, 14, 10091-10100. | 5.6 | 5 |
| 4 | 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. | 8.0 | 8 |
| 5 | Steric Configuration-Controllable Carbon Nanotubes-Integrated SiC Membrane for Ultrafine Particles Filtration. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 19680-19688. | 3.7 | 15 |
| 6 | 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. | 8.2 | 19 |
| 7 | Total-InGaN-thickness dependent Shockley-Read-Hall recombination lifetime in InGaN quantum wells. <i>Journal of Applied Physics</i> , 2020, 127, . | 2.5 | 8 |
| 8 | 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. | 10.3 | 80 |
| 9 | Carbon Molecular Sieve Membranes Derived from Tröger's Base-Based Microporous Polyimide for Gas Separation. <i>ChemSusChem</i> , 2018, 11, 916-923. | 6.8 | 74 |
| 10 | 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. | 14.6 | 317 |
| 11 | Molecular dynamics simulation on notch sensitivity of nanocrystalline Cu. <i>Micro and Nano Letters</i> , 2018, 13, 1724-1727. | 1.3 | 1 |
| 12 | SiC@TiO ₂ /Pt Catalytic Membrane for Collaborative Removal of VOCs and Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 10564-10571. | 3.7 | 29 |
| 13 | Layer-by-Layer Construction of Cu ²⁺ /Alginate Multilayer Modified Ultrafiltration Membrane with Bioinspired Superwetting Property for Highly Efficient Crude Oil-in-Water Emulsion Separation. <i>Advanced Functional Materials</i> , 2018, 28, 1801944. | 14.9 | 256 |
| 14 | 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. | 14.9 | 379 |
| 15 | <i>In situ</i> growth of single-layered Ni(OH) ₂ nanosheets on a carbon cloth for highly efficient electrocatalytic oxidation of urea. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13867-13873. | 10.3 | 80 |
| 16 | Nanoporous film-mediated growth of ultrathin and continuous metal-organic framework membranes for high-performance hydrogen separation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1962-1966. | 10.3 | 39 |
| 17 | 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. | 8.0 | 238 |
| 18 | Polymers of intrinsic microporosity/metal-organic framework hybrid membranes with improved interfacial interaction for high-performance CO ₂ separation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10968-10977. | 10.3 | 127 |

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|----|--|------|-----------|
| 19 | Tight Ultrafiltration Ceramic Membrane for Separation of Dyes and Mixed Salts (both) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Chemistry Research, 2017, 56, 7070-7079. | 3.7 | 119 |
| 20 | Depositing lignin on membrane surfaces for simultaneously upgraded reverse osmosis performances: An upscalable route. AICHE Journal, 2017, 63, 2221-2231. | 3.6 | 18 |
| 21 | A Robust Polyionized Hydrogel with an Unprecedented Underwater Anti-Adhesion Property. Advanced Materials, 2016, 28, 5307-5314. | 21.0 | 346 |
| 22 | Green laser diodes with low operation voltage obtained by suppressing carbon impurity in AlGaIn: Mg cladding layer. Physica Status Solidi C: Current Topics in Solid State Physics, 2016, 13, 245-247. | 0.8 | 9 |
| 23 | Single-Walled Carbon Nanotube Film Supported Nanofiltration Membrane with a Nearly 10 nm Thick Polyamide Selective Layer for High-Flux and High-Rejection Desalination. Small, 2016, 12, 5034-5041. | 10.0 | 298 |
| 24 | Reduction of Polarization Field Strength in Fully Strained c-Plane InGaIn/(In)GaIn Multiple Quantum Wells Grown by MOCVD. Nanoscale Research Letters, 2016, 11, 519. | 5.7 | 16 |
| 25 | Amphiphobic Polytetrafluoroethylene Membranes for Efficient Organic Aerosol Removal. ACS Applied Materials & Interfaces, 2016, 8, 8773-8781. | 8.0 | 46 |
| 26 | Effect of Gas Distributor on Hydrodynamics and the Rochow Reaction in a Fluidized Bed Membrane Reactor. Industrial & Engineering Chemistry Research, 2016, 55, 10600-10608. | 3.7 | 8 |
| 27 | Catastrophic Degradation of InGaIn/GaIn Blue Laser Diodes. IEEE Transactions on Device and Materials Reliability, 2016, 16, 638-641. | 2.0 | 3 |
| 28 | Purifying condensed water with ceramic ultrafiltration membranes. Journal of Chemical Technology and Biotechnology, 2015, 90, 2092-2099. | 3.2 | 4 |
| 29 | Nanowire Oriented On-Surface Growth of Chiral Cystine Crystalline Nanosheets. Langmuir, 2015, 31, 8795-8801. | 3.5 | 1 |
| 30 | An ultrathin bilayer membrane with asymmetric wettability for pressure responsive oil/water emulsion separation. Journal of Materials Chemistry A, 2015, 3, 23477-23482. | 10.3 | 146 |
| 31 | Superwetting polymer-decorated SWCNT composite ultrathin films for ultrafast separation of oil-in-water nanoemulsions. Journal of Materials Chemistry A, 2015, 3, 2895-2902. | 10.3 | 140 |
| 32 | Preparation and Characterization of SiC Whisker-Reinforced SiC Porous Ceramics for Hot Gas Filtration. Industrial & Engineering Chemistry Research, 2015, 54, 226-232. | 3.7 | 65 |
| 33 | Identification of Degradation Mechanisms Based on Thermal Characteristics of InGaIn/GaIn Laser Diodes. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 165-170. | 2.9 | 9 |
| 34 | Tröger's Base-Based Microporous Polyimide Membranes for High-Performance Gas Separation. ACS Macro Letters, 2014, 3, 597-601. | 4.8 | 170 |
| 35 | A novel zwitterionic polyelectrolyte grafted PVDF membrane for thoroughly separating oil from water with ultrahigh efficiency. Journal of Materials Chemistry A, 2013, 1, 5758. | 10.3 | 330 |
| 36 | Nanowire-Haired Inorganic Membranes with Superhydrophilicity and Underwater Ultralow Adhesive Superoleophobicity for High-Efficiency Oil/Water Separation. Advanced Materials, 2013, 25, 4192-4198. | 21.0 | 784 |