Feng Zhang

List of Publications by Year
in descending order

36 papers	4,205 citations	361413 20 h-index	330143 37 g-index
37 all docs	37 docs citations	37 times ranked	4117 citing authors

#	Article	IF	Citations
1	Nanowireâ€Haired Inorganic Membranes with Superhydrophilicity and Underwater Ultralow Adhesive Superoleophobicity for Highâ€Efficiency Oil/Water Separation. Advanced Materials, 2013, 25, 4192-4198.	21.0	784
2	Zwitterionic Nanohydrogel Grafted PVDF Membranes with Comprehensive Antifouling Property and Superior Cycle Stability for Oilâ€in†â€Water Emulsion Separation. Advanced Functional Materials, 2018, 28, 1804121.	14.9	379
3	A Robust Polyionized Hydrogel with an Unprecedented Underwater Antiâ€Crudeâ€Oilâ€Adhesion Property. Advanced Materials, 2016, 28, 5307-5314.	21.0	346
4	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
5	Cupric Phosphate Nanosheets-Wrapped Inorganic Membranes with Superhydrophilic and Outstanding Anticrude Oil-Fouling Property for Oil/Water Separation. ACS Nano, 2018, 12, 795-803.	14.6	317
6	Singleâ€Walled Carbon Nanotube Film Supported Nanofiltration Membrane with a Nearly 10 nm Thick Polyamide Selective Layer for Highâ€Flux and Highâ€Rejection Desalination. Small, 2016, 12, 5034-5041.	10.0	298
7	Layerâ€byâ€Layer Construction of Cu²⁺/Alginate Multilayer Modified Ultrafiltration Membrane with Bioinspired Superwetting Property for Highâ€Efficient Crudeâ€Oilâ€in†â€Water Emulsion Separation. Advanced Functional Materials, 2018, 28, 1801944.	14.9	256
8	Superhydrophilic In-Situ-Cross-Linked Zwitterionic Polyelectrolyte/PVDF-Blend Membrane for Highly Efficient Oil/Water Emulsion Separation. ACS Applied Materials & Interfaces, 2017, 9, 9603-9613.	8.0	238
9	TrÃ¶gerâ€™s Base-Based Microporous Polyimide Membranes for High-Performance Gas Separation. ACS Macro Letters, 2014, 3, 597-601.	4.8	170
10	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
11	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
12	Polymers of intrinsic microporosity/metalâ€“organic framework hybrid membranes with improved interfacial interaction for high-performance CO₂ separation. Journal of Materials Chemistry A, 2017, 5, 10968-10977.	10.3	127
13	Tight Ultrafiltration Ceramic Membrane for Separation of Dyes and Mixed Salts (both) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2 Chemistry Research, 2017, 56, 7070-7079.	3.7	119
14	Hydrogel-embedded tight ultrafiltration membrane with superior anti-dye-fouling property for low-pressure driven molecule separation. Journal of Materials Chemistry A, 2018, 6, 2927-2934.	10.3	80
15	In situ growth of single-layered Î±-Ni(OH)₂ nanosheets on a carbon cloth for highly efficient electrocatalytic oxidation of urea. Journal of Materials Chemistry A, 2018, 6, 13867-13873.	10.3	80
16	Carbon Molecular Sieve Membranes Derived from TrÃ¶ger's Baseâ€Based Microporous Polyimide for Gas Separation. ChemSusChem, 2018, 11, 916-923.	6.8	74
17	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
18	Amphiphobic Polytetrafluoroethylene Membranes for Efficient Organic Aerosol Removal. ACS Applied Materials & Interfaces, 2016, 8, 8773-8781.	8.0	46

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19	Nanoporous film-mediated growth of ultrathin and continuous metalâ€“organic framework membranes for high-performance hydrogen separation. Journal of Materials Chemistry A, 2017, 5, 1962-1966.	10.3	39
20	SiC@TiO₂/Pt Catalytic Membrane for Collaborative Removal of VOCs and Nanoparticles. Industrial & Engineering Chemistry Research, 2018, 57, 10564-10571.	3.7	29
21	A microporous polymer ultrathin membrane for the highly efficient removal of dyes from acidic saline solutions. Journal of Membrane Science, 2020, 603, 118027.	8.2	19
22	Depositing lignin on membrane surfaces for simultaneously upgraded reverse osmosis performances: An upscalable route. AICHE Journal, 2017, 63, 2221-2231.	3.6	18
23	Reduction of Polarization Field Strength in Fully Strained c-Plane InGaN/(In)GaN Multiple Quantum Wells Grown by MOCVD. Nanoscale Research Letters, 2016, 11, 519.	5.7	16
24	Steric Configuration-Controllable Carbon Nanotubes-Integrated SiC Membrane for Ultrafine Particles Filtration. Industrial & Engineering Chemistry Research, 2020, 59, 19680-19688.	3.7	15
25	Flowerlike FeO_Xâ€“MnO_X Amorphous Oxides Anchored on PTFE/PPS Membrane for Efficient Dust Filtration and Low-Temperature No Reduction. Industrial & Engineering Chemistry Research, 2022, 61, 5816-5824.	3.7	10
26	Identification of Degradation Mechanisms Based on Thermal Characteristics of InGaN/GaN Laser Diodes. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 165-170.	2.9	9
27	Green laser diodes with low operation voltage obtained by suppressing carbon impurity in AlGaN: Mg cladding layer. Physica Status Solidi C: Current Topics in Solid State Physics, 2016, 13, 245-247.	0.8	9
28	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
29	Superhydrophilic Sub-1-nm Porous Membrane with Electroneutral Surface for Nonselective Transport of Small Organic Molecules. ACS Applied Materials & Interfaces, 2020, 12, 38778-38787.	8.0	8
30	Total-InGaN-thickness dependent Shockley-Read-Hall recombination lifetime in InGaN quantum wells. Journal of Applied Physics, 2020, 127, .	2.5	8
31	Prediction and Optimization of Interlayer-Interface Resistance for Expanded Polytetrafluoroethylene-Laminated Polyphenylene Sulfide Composite Membranes. Industrial & Engineering Chemistry Research, 2022, 61, 6662-6672.	3.7	5
32	Spatially confined growth of carbon nanotubes in the pore channels of microporous ceramic supports with improved filtration efficiency. Nanoscale, 2022, 14, 10091-10100.	5.6	5
33	Purifying condensed water with ceramic ultrafiltration membranes. Journal of Chemical Technology and Biotechnology, 2015, 90, 2092-2099.	3.2	4
34	Catastrophic Degradation of InGaN/GaN Blue Laser Diodes. IEEE Transactions on Device and Materials Reliability, 2016, 16, 638-641.	2.0	3
35	Nanowire Oriented On-Surface Growth of Chiral Cystine Crystalline Nanosheets. Langmuir, 2015, 31, 8795-8801.	3.5	1
36	Molecular dynamics simulation on notch sensitivity of nanocrystalline Cu. Micro and Nano Letters, 2018, 13, 1724-1727.	1.3	1