Baowei Su

List of Publications by Year in descending order

36 papers	1,688 citations	257101 24 h-index	344852 36 g-index
36 all docs	36 docs citations	36 times ranked	1210 citing authors

#	Article	IF	Citations
1	High flux thin film composite (TFC) membrane with non-planar rigid twisted structures for organic solvent nanofiltration (OSN). Separation and Purification Technology, 2022, 286, 120496.	3.9	29
2	Ultra-smooth and ultra-thin polyamide thin film nanocomposite membranes incorporated with functionalized MoS2 nanosheets for high performance organic solvent nanofiltration. Separation and Purification Technology, 2022, 291, 120937.	3.9	23
3	Negatively charged nanofiltration membrane with high performance via the synergetic effect of benzidinedisulfonic acid and trimethylamine during interfacial polymerization. Separation and Purification Technology, 2022, 291, 120947.	3.9	9
4	Tannic acid reinforced interfacial polymerization fabrication of internally pressurized thin-film composite hollow fiber reverse osmosis membranes with high performance. Desalination, 2022, 538, 115926.	4.0	15
5	High-throughput thin-film composite membrane via interfacial polymerization using monomers of ultra-low concentration on tannic acid â€“ Copper interlayer for organic solvent nanofiltration. Separation and Purification Technology, 2021, 258, 118027.	3.9	38
6	Fundamental understanding on the preparation conditions of high-performance polyimide-based hollow fiber membranes for organic solvent nanofiltration (OSN). Separation and Purification Technology, 2021, 254, 117600.	3.9	18
7	Enhanced <scp>CO₂</scp> separation performance of mixed matrix membrane by incorporating amineâ€functionalized silica filler. Journal of Applied Polymer Science, 2021, 138, 51438.	1.3	5
8	Fabrication of ultra-smooth thin-film composite nanofiltration membrane with enhanced selectivity and permeability on interlayer of hybrid polyvinyl alcohol and graphene oxide. Separation and Purification Technology, 2021, 268, 118649.	3.9	30
9	Two dimensional COFs as ultra-thin interlayer to build TFN hollow fiber nanofiltration membrane for desalination and heavy metal wastewater treatment. Journal of Membrane Science, 2021, 635, 119523.	4.1	67
10	Effectively regulating interfacial polymerization process via in-situ constructed 2D COFs interlayer for fabricating organic solvent nanofiltration membranes. Journal of Membrane Science, 2021, 637, 119618.	4.1	34
11	Alginate hydrogel interlayer assisted interfacial polymerization for enhancing the separation performance of reverse osmosis membrane. Journal of Membrane Science, 2021, 638, 119680.	4.1	17
12	High separation performance thin film composite and thin film nanocomposite hollow fiber membranes via interfacial polymerization for organic solvent nanofiltration. Separation and Purification Technology, 2021, 278, 119567.	3.9	23
13	Graphene quantum dots (GQDs)-polyethyleneimine as interlayer for the fabrication of high performance organic solvent nanofiltration (OSN) membranes. Chemical Engineering Journal, 2020, 380, 122462.	6.6	103
14	Graphene oxide interlayered thin-film nanocomposite hollow fiber nanofiltration membranes with enhanced aqueous electrolyte separation performance. Separation and Purification Technology, 2020, 248, 117153.	3.9	46
15	Emerging sandwich-like reverse osmosis membrane with interfacial assembled covalent organic frameworks interlayer for highly-efficient desalination. Journal of Membrane Science, 2020, 604, 118065.	4.1	69
16	Amine-functionalized ZIF-8 nanoparticles as interlayer for the improvement of the separation performance of organic solvent nanofiltration (OSN) membrane. Journal of Membrane Science, 2020, 614, 118433.	4.1	43
17	Fabrication of polyimide-based hollow fiber membrane by synergetic covalent-crosslinking strategy for organic solvent nanofiltration (OSN) application. Separation and Purification Technology, 2020, 241, 116751.	3.9	15
18	Novel graphene quantum dots (GQDs)-incorporated thin film composite (TFC) membranes for forward osmosis (FO) desalination. Desalination, 2019, 451, 219-230.	4.0	99

#	Article	IF	Citations
19	Carboxymethyl chitosan/carbon nanotubes mixed matrix membranes for CO2 separation. Reactive and Functional Polymers, 2019, 143, 104331.	2.0	47
20	Amino-functionalized graphene quantum dots (aGQDs)-embedded thin film nanocomposites for solvent resistant nanofiltration (SRNF) membranes based on covalence interactions. Journal of Membrane Science, 2019, 588, 117212.	4.1	56
21	Enhanced CO2 separation membrane prepared from waste by-product of silk fibroin. Journal of Membrane Science, 2019, 587, 117170.	4.1	18
22	Graphene oxide (GO)-interlayered thin-film nanocomposite (TFN) membranes with high solvent resistance for organic solvent nanofiltration (OSN). Journal of Materials Chemistry A, 2019, 7, 13315-13330.	5.2	86
23	Fluorine incorporation for enhancing solvent resistance of organic solvent nanofiltration membrane. Chemical Engineering Journal, 2019, 369, 498-510.	6.6	44
24	Covalent organic frameworks (COFs)-incorporated thin film nanocomposite (TFN) membranes for high-flux organic solvent nanofiltration (OSN). Journal of Membrane Science, 2019, 572, 520-531.	4.1	190
25	Graphene Quantum Dots-Doped Thin Film Nanocomposite Polyimide Membranes with Enhanced Solvent Resistance for Solvent-Resistant Nanofiltration. ACS Applied Materials & Interfaces, 2019, 11, 6527-6540.	4.0	99
26	High solvent-resistant and integrally crosslinked polyimide-based composite membranes for organic solvent nanofiltration. Journal of Membrane Science, 2018, 564, 10-21.	4.1	102
27	Polyimide thin film composite (TFC) membranes viaÂinterfacial polymerization on hydrolyzed polyacrylonitrile support for solvent resistant nanofiltration. RSC Advances, 2017, 7, 42800-42810.	1.7	47
28	Comprehensive pilot-scale investigation of seawater nanofiltration softening by increasing permeate recovery with recirculation. Desalination and Water Treatment, 2016, 57, 17271-17282.	1.0	6
29	Pilot study of seawater nanofiltration softening technology based on integrated membrane system. Desalination, 2015, 368, 193-201.	4.0	25
30	Preparation and performance of antibacterial layer-by-layer polyelectrolyte nanofiltration membranes based on metalâ€“ligand coordination interactions. RSC Advances, 2015, 5, 86784-86794.	1.7	21
31	Investigation on high NF permeate recovery and scaling potential prediction in NFâ€“SWRO integrated membrane operation. Desalination, 2013, 330, 61-69.	4.0	26
32	Study on seawater nanofiltration softening technology for offshore oilfield polymer solution preparation. Desalination and Water Treatment, 2013, 51, 5064-5073.	1.0	6
33	Study on seawater nanofiltration softening technology for offshore oilfield water and polymer flooding. Desalination, 2012, 297, 30-37.	4.0	26
34	Preparation and performance of dynamic layer-by-layer PDADMAC/PSS nanofiltration membrane. Journal of Membrane Science, 2012, 423-424, 324-331.	4.1	91
35	The performance of polyamide nanofiltration membrane for long-term operation in an integrated membrane seawater pretreatment system. Desalination, 2012, 296, 30-36.	4.0	52
36	A pilot study of UF pretreatment without any chemicals for SWRO desalination in China. Desalination, 2007, 207, 216-226.	4.0	63