

Baowei Su

List of Publications by Year in descending order

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36
papers

1,688
citations

257101

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344852

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docs citations

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times ranked

1210
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalent organic frameworks (COFs)-incorporated thin film nanocomposite (TFN) membranes for high-flux organic solvent nanofiltration (OSN). <i>Journal of Membrane Science</i> , 2019, 572, 520-531.	4.1	190
2	Graphene quantum dots (GQDs)-polyethyleneimine as interlayer for the fabrication of high performance organic solvent nanofiltration (OSN) membranes. <i>Chemical Engineering Journal</i> , 2020, 380, 122462.	6.6	103
3	High solvent-resistant and integrally crosslinked polyimide-based composite membranes for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2018, 564, 10-21.	4.1	102
4	Novel graphene quantum dots (GQDs)-incorporated thin film composite (TFC) membranes for forward osmosis (FO) desalination. <i>Desalination</i> , 2019, 451, 219-230.	4.0	99
5	Graphene Quantum Dots-Doped Thin Film Nanocomposite Polyimide Membranes with Enhanced Solvent Resistance for Solvent-Resistant Nanofiltration. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6527-6540.	4.0	99
6	Preparation and performance of dynamic layer-by-layer PDADMAC/PSS nanofiltration membrane. <i>Journal of Membrane Science</i> , 2012, 423-424, 324-331.	4.1	91
7	Graphene oxide (GO)-interlayered thin-film nanocomposite (TFN) membranes with high solvent resistance for organic solvent nanofiltration (OSN). <i>Journal of Materials Chemistry A</i> , 2019, 7, 13315-13330.	5.2	86
8	Emerging sandwich-like reverse osmosis membrane with interfacial assembled covalent organic frameworks interlayer for highly-efficient desalination. <i>Journal of Membrane Science</i> , 2020, 604, 118065.	4.1	69
9	Two dimensional COFs as ultra-thin interlayer to build TFN hollow fiber nanofiltration membrane for desalination and heavy metal wastewater treatment. <i>Journal of Membrane Science</i> , 2021, 635, 119523.	4.1	67
10	A pilot study of UF pretreatment without any chemicals for SWRO desalination in China. <i>Desalination</i> , 2007, 207, 216-226.	4.0	63
11	Amino-functionalized graphene quantum dots (aGQDs)-embedded thin film nanocomposites for solvent resistant nanofiltration (SRNF) membranes based on covalence interactions. <i>Journal of Membrane Science</i> , 2019, 588, 117212.	4.1	56
12	The performance of polyamide nanofiltration membrane for long-term operation in an integrated membrane seawater pretreatment system. <i>Desalination</i> , 2012, 296, 30-36.	4.0	52
13	Polyimide thin film composite (TFC) membranes via interfacial polymerization on hydrolyzed polyacrylonitrile support for solvent resistant nanofiltration. <i>RSC Advances</i> , 2017, 7, 42800-42810.	1.7	47
14	Carboxymethyl chitosan/carbon nanotubes mixed matrix membranes for CO ₂ separation. <i>Reactive and Functional Polymers</i> , 2019, 143, 104331.	2.0	47
15	Graphene oxide interlayered thin-film nanocomposite hollow fiber nanofiltration membranes with enhanced aqueous electrolyte separation performance. <i>Separation and Purification Technology</i> , 2020, 248, 117153.	3.9	46
16	Fluorine incorporation for enhancing solvent resistance of organic solvent nanofiltration membrane. <i>Chemical Engineering Journal</i> , 2019, 369, 498-510.	6.6	44
17	Amine-functionalized ZIF-8 nanoparticles as interlayer for the improvement of the separation performance of organic solvent nanofiltration (OSN) membrane. <i>Journal of Membrane Science</i> , 2020, 614, 118433.	4.1	43
18	High-throughput thin-film composite membrane via interfacial polymerization using monomers of ultra-low concentration on tannic acid "Copper interlayer for organic solvent nanofiltration. <i>Separation and Purification Technology</i> , 2021, 258, 118027.	3.9	38

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19	Effectively regulating interfacial polymerization process via in-situ constructed 2D COFs interlayer for fabricating organic solvent nanofiltration membranes. <i>Journal of Membrane Science</i> , 2021, 637, 119618.	4.1	34
20	Fabrication of ultra-smooth thin-film composite nanofiltration membrane with enhanced selectivity and permeability on interlayer of hybrid polyvinyl alcohol and graphene oxide. <i>Separation and Purification Technology</i> , 2021, 268, 118649.	3.9	30
21	High flux thin film composite (TFC) membrane with non-planar rigid twisted structures for organic solvent nanofiltration (OSN). <i>Separation and Purification Technology</i> , 2022, 286, 120496.	3.9	29
22	Study on seawater nanofiltration softening technology for offshore oilfield water and polymer flooding. <i>Desalination</i> , 2012, 297, 30-37.	4.0	26
23	Investigation on high NF permeate recovery and scaling potential prediction in NF-SWRO integrated membrane operation. <i>Desalination</i> , 2013, 330, 61-69.	4.0	26
24	Pilot study of seawater nanofiltration softening technology based on integrated membrane system. <i>Desalination</i> , 2015, 368, 193-201.	4.0	25
25	High separation performance thin film composite and thin film nanocomposite hollow fiber membranes via interfacial polymerization for organic solvent nanofiltration. <i>Separation and Purification Technology</i> , 2021, 278, 119567.	3.9	23
26	Ultra-smooth and ultra-thin polyamide thin film nanocomposite membranes incorporated with functionalized MoS ₂ nanosheets for high performance organic solvent nanofiltration. <i>Separation and Purification Technology</i> , 2022, 291, 120937.	3.9	23
27	Preparation and performance of antibacterial layer-by-layer polyelectrolyte nanofiltration membranes based on metal-ligand coordination interactions. <i>RSC Advances</i> , 2015, 5, 86784-86794.	1.7	21
28	Enhanced CO ₂ separation membrane prepared from waste by-product of silk fibroin. <i>Journal of Membrane Science</i> , 2019, 587, 117170.	4.1	18
29	Fundamental understanding on the preparation conditions of high-performance polyimide-based hollow fiber membranes for organic solvent nanofiltration (OSN). <i>Separation and Purification Technology</i> , 2021, 254, 117600.	3.9	18
30	Alginate hydrogel interlayer assisted interfacial polymerization for enhancing the separation performance of reverse osmosis membrane. <i>Journal of Membrane Science</i> , 2021, 638, 119680.	4.1	17
31	Fabrication of polyimide-based hollow fiber membrane by synergetic covalent-crosslinking strategy for organic solvent nanofiltration (OSN) application. <i>Separation and Purification Technology</i> , 2020, 241, 116751.	3.9	15
32	Tannic acid reinforced interfacial polymerization fabrication of internally pressurized thin-film composite hollow fiber reverse osmosis membranes with high performance. <i>Desalination</i> , 2022, 538, 115926.	4.0	15
33	Negatively charged nanofiltration membrane with high performance via the synergetic effect of benzenedisulfonic acid and trimethylamine during interfacial polymerization. <i>Separation and Purification Technology</i> , 2022, 291, 120947.	3.9	9
34	Study on seawater nanofiltration softening technology for offshore oilfield polymer solution preparation. <i>Desalination and Water Treatment</i> , 2013, 51, 5064-5073.	1.0	6
35	Comprehensive pilot-scale investigation of seawater nanofiltration softening by increasing permeate recovery with recirculation. <i>Desalination and Water Treatment</i> , 2016, 57, 17271-17282.	1.0	6
36	Enhanced CO ₂ separation performance of mixed matrix membrane by incorporating amine-functionalized silica filler. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51438.	1.3	5