

Zhaohui Wang

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

637
citations

687363

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21
docs citations

21
times ranked

609
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced anti-wetting and anti-fouling properties of composite PFPE/PVDF membrane in vacuum membrane distillation. Separation and Purification Technology, 2022, 282, 120084.	7.9	15
2	Poly(vinylidene fluoride-co-hexafluoro propylene) membranes prepared via thermally induced phase separation and application in direct contact membrane distillation. Frontiers of Chemical Science and Engineering, 2022, 16, 720-730.	4.4	5
3	Enhanced anti-wetted PVDF membrane for pulping RO brine treatment by vacuum membrane distillation. Desalination, 2022, 526, 115533.	8.2	13
4	Poly(vinylidene fluoride) (PVDF) membrane fabrication with an ionic liquid via non-solvent thermally induced phase separation (N-TIPS). Applied Water Science, 2022, 12, 1.	5.6	10
5	Preparation of PVDF membrane via synergistically vapor and non-solvent-induced phase separation. Applied Water Science, 2022, 12, .	5.6	8
6	Preparation of alkali-resistant PVDF membranes via immobilization of sodium lauryl sulfate (SDS) on surface. Applied Water Science, 2021, 11, 1.	5.6	10
7	Zr-MOF-Enabled Controllable Ion Sieving and Proton Conductivity in Flow Battery Membrane. Advanced Functional Materials, 2021, 31, 2104629.	14.9	64
8	Annealing of grain-like poly (vinylidene fluoride-trifluoroethylene) membranes with a single-crystalline electroactive phase and high anti-fouling activity. Journal of Membrane Science, 2021, , 120089.	8.2	4
9	Hyflon/PVDF membranes prepared by NIPS and TIPS: Comparison in MD performance. Separation and Purification Technology, 2020, 247, 116992.	7.9	31
10	Improving efficiency of PVDF membranes for recovering water from humidified gas streams through membrane condenser. Chemical Engineering Science, 2019, 210, 115234.	3.8	21
11	Fabrication of high flux and fouling resistant membrane: A unique hydrophilic blend of polyvinylidene fluoride/polyethylene glycol/polymethyl methacrylate. Polymer, 2019, 179, 121593.	3.8	50
12	Endowing piezoelectric and anti-fouling properties by directly poling β -phase PVDF membranes with green diluents. AIP Advances, 2019, 9, .	1.3	11
13	Enhanced fouling and wetting resistance of composite Hyflon AD/poly(vinylidene fluoride) membrane in vacuum membrane distillation. Separation and Purification Technology, 2019, 211, 135-140.	7.9	27
14	Testing of three different PVDF membranes in membrane assisted-crystallization process: Influence of membrane structural-properties on process performance. Desalination, 2018, 440, 68-77.	8.2	31
15	Wide liquid-liquid phase separation region enhancing tensile strength of poly(vinylidene fluoride) membranes via TIPS method with a new diluent. Polymer, 2018, 141, 46-53.	3.8	44
16	Synergic effects of hydrophilic and hydrophobic nanoparticles on performance of nanocomposite distillation membranes: An experimental and numerical study. Separation and Purification Technology, 2018, 202, 45-58.	7.9	35
17	Optimization of novel composite membranes for water and mineral recovery by vacuum membrane distillation. Desalination, 2018, 440, 39-47.	8.2	32
18	Tubular hydrophobic ceramic membrane with asymmetric structure for water desalination via vacuum membrane distillation process. Desalination, 2018, 443, 212-220.	8.2	70

#	ARTICLE	IF	CITATIONS
19	Enhancing wetting resistance of poly(vinylidene fluoride) membranes for vacuum membrane distillation. <i>Desalination</i> , 2017, 415, 58-66.	8.2	66
20	Cultivation of <i>Neochloris oleoabundans</i> in bubble column photobioreactor with or without localized deoxygenation. <i>Bioresource Technology</i> , 2016, 206, 255-263.	9.6	28
21	Preparation of Hyflon AD60/PVDF composite hollow fiber membranes for vacuum membrane distillation. <i>Separation and Purification Technology</i> , 2016, 157, 1-8.	7.9	62