Zhaohui Wang

List of Publications by Year
in descending order

21	637	687363 13	713466 21
papers	citations	h-index	g-index

21	21	21	609
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tubular hydrophobic ceramic membrane with asymmetric structure for water desalination via vacuum membrane distillation process. Desalination, 2018, 443, 212-220.	8.2	70
2	Enhancing wetting resistance of poly(vinylidene fluoride) membranes for vacuum membrane distillation. Desalination, 2017, 415, 58-66.	8.2	66
3	Zrâ€MOFâ€Enabled Controllable Ion Sieving and Proton Conductivity in Flow Battery Membrane. Advanced Functional Materials, 2021, 31, 2104629.	14.9	64
4	Preparation of Hyflon AD60/PVDF composite hollow fiber membranes for vacuum membrane distillation. Separation and Purification Technology, 2016, 157, 1-8.	7.9	62
5	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
6	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
7	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
8	Optimization of novel composite membranes for water and mineral recovery by vacuum membrane distillation. Desalination, 2018, 440, 39-47.	8.2	32
9	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
10	Hyflon/PVDF membranes prepared by NIPS and TIPS: Comparison in MD performance. Separation and Purification Technology, 2020, 247, 116992.	7.9	31
11	Cultivation of Neochloris oleoabundans in bubble column photobioreactor with or without localized deoxygenation. Bioresource Technology, 2016, 206, 255-263.	9.6	28
12	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
13	Improving efficiency of PVDF membranes for recovering water from humidified gas streams through membrane condenser. Chemical Engineering Science, 2019, 210, 115234.	3.8	21
14	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
15	Enhanced anti-wetted PVDF membrane for pulping RO brine treatment by vacuum membrane distillation. Desalination, 2022, 526, 115533.	8.2	13
16	Endowing piezoelectric and anti-fouling properties by directly poling Î²-phase PVDF membranes with green diluents. AIP Advances, 2019, 9, .	1.3	11
17	Preparation of alkali-resistant PVDF membranes via immobilization of sodium lauryl sulfate (SDS) on surface. Applied Water Science, 2021, 11, 1.	5.6	10
18	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

#	Article	IF	Citations
19	Preparation of PVDF membrane via synergistically vapor and non-solvent-induced phase separation. Applied Water Science, 2022, 12, .	5.6	8
20	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
21	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