

# Mohamed Khayet

## List of Publications by Year in descending order

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199  
papers

14,409  
citations

12330

69  
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22166

113  
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204  
all docs

204  
docs citations

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times ranked

7879  
citing authors

#	ARTICLE	IF	CITATIONS
1	A framework for better understanding membrane distillation separation process. <i>Journal of Membrane Science</i> , 2006, 285, 4-29.	8.2	1,103
2	Membranes and theoretical modeling of membrane distillation: A review. <i>Advances in Colloid and Interface Science</i> , 2011, 164, 56-88.	14.7	978
3	Heat and mass transfer analysis in direct contact membrane distillation. <i>Desalination</i> , 2008, 219, 272-292.	8.2	402
4	Preparation and Characterization of Polyvinylidene Fluoride Membranes for Membrane Distillation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 5710-5718.	3.7	325
5	Production of drinking water from saline water by air-gap membrane distillation using polyvinylidene fluoride nanofiber membrane. <i>Journal of Membrane Science</i> , 2008, 311, 1-6.	8.2	265
6	Solar desalination by membrane distillation: Dispersion in energy consumption analysis and water production costs (a review). <i>Desalination</i> , 2013, 308, 89-101.	8.2	249
7	Preparation and characterization of polyvinylidene fluoride hollow fiber membranes for ultrafiltration. <i>Polymer</i> , 2002, 43, 3879-3890.	3.8	248
8	Porous hydrophobic/hydrophilic composite membranes. <i>Journal of Membrane Science</i> , 2005, 252, 101-113.	8.2	242
9	Heat and mass transfer in vacuum membrane distillation. <i>International Journal of Heat and Mass Transfer</i> , 2004, 47, 865-875.	4.8	235
10	Temperature-dependent thermal properties of solid/liquid phase change even-numbered n-alkanes: n-Hexadecane, n-octadecane and n-eicosane. <i>Applied Energy</i> , 2015, 143, 383-394.	10.1	224
11	Application of vacuum membrane distillation for ammonia removal. <i>Journal of Membrane Science</i> , 2007, 301, 200-209.	8.2	204
12	Artificial neural network modeling and response surface methodology of desalination by reverse osmosis. <i>Journal of Membrane Science</i> , 2011, 368, 202-214.	8.2	179
13	Characterization of membranes for membrane distillation by atomic force microscopy and estimation of their water vapor transfer coefficients in vacuum membrane distillation process. <i>Journal of Membrane Science</i> , 2004, 238, 199-211.	8.2	167
14	Experimental and theoretical investigations on water desalination using direct contact membrane distillation. <i>Desalination</i> , 2017, 404, 22-34.	8.2	156
15	Wettability, Polarity, and Water Absorption of Holm Oak Leaves: Effect of Leaf Side and Age. <i>Plant Physiology</i> , 2014, 166, 168-180.	4.8	151
16	Theory and experiments on sweeping gas membrane distillation. <i>Journal of Membrane Science</i> , 2000, 165, 261-272.	8.2	150
17	Pervaporation and vacuum membrane distillation processes: Modeling and experiments. <i>AIChE Journal</i> , 2004, 50, 1697-1712.	3.6	148
18	Nanofiltration thin-film composite polyester polyethersulfone-based membranes prepared by interfacial polymerization. <i>Journal of Membrane Science</i> , 2010, 348, 109-116.	8.2	147

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19	Self-sustained webs of polyvinylidene fluoride electrospun nanofibers at different electrospinning times: 1. Desalination by direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2013, 433, 167-179.	8.2	146
20	Preparation and characterization of novel hydrophobic/hydrophilic polyetherimide composite membranes for desalination by direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2009, 327, 264-273.	8.2	144
21	Effects of PVDF-HFP concentration on membrane distillation performance and structural morphology of hollow fiber membranes. <i>Journal of Membrane Science</i> , 2010, 347, 209-219.	8.2	144
22	Modelling and optimization of coagulation of highly concentrated industrial grade leather dye by response surface methodology. <i>Chemical Engineering Journal</i> , 2011, 167, 77-83.	12.7	144
23	Design of novel direct contact membrane distillation membranes. <i>Desalination</i> , 2006, 192, 105-111.	8.2	142
24	Application of surface modifying macromolecules for the preparation of membranes for membrane distillation. <i>Desalination</i> , 2003, 158, 51-56.	8.2	133
25	Integrated direct contact membrane distillation for olive mill wastewater treatment. <i>Desalination</i> , 2013, 323, 31-38.	8.2	129
26	Modelling mass transport through a porous partition: Effect of pore size distribution. <i>Journal of Non-Equilibrium Thermodynamics</i> , 2004, 29, .	4.2	126
27	Nature of flow on sweeping gas membrane distillation. <i>Journal of Membrane Science</i> , 2000, 170, 243-255.	8.2	122
28	Novel porous composite hydrophobic/hydrophilic polysulfone membranes for desalination by direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2009, 341, 139-148.	8.2	122
29	Application of direct contact membrane distillation for textile wastewater treatment and fouling study. <i>Separation and Purification Technology</i> , 2019, 209, 815-825.	7.9	121
30	Gas transport properties of polypropylene/clay composite membranes. <i>European Polymer Journal</i> , 2007, 43, 1132-1143.	5.4	118
31	Artificial neural network modeling and optimization of desalination by air gap membrane distillation. <i>Separation and Purification Technology</i> , 2012, 86, 171-182.	7.9	117
32	Self-sustained webs of polyvinylidene fluoride electrospun nano-fibers: Effects of polymer concentration and desalination by direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2014, 454, 133-143.	8.2	117
33	Direct contact membrane distillation of humic acid solutions. <i>Journal of Membrane Science</i> , 2004, 240, 123-128.	8.2	115
34	Guidelines for preparation of higher flux hydrophobic/hydrophilic composite membranes for membrane distillation. <i>Journal of Membrane Science</i> , 2009, 329, 193-200.	8.2	115
35	The effects of air gap length on the internal and external morphology of hollow fiber membranes. <i>Chemical Engineering Science</i> , 2003, 58, 3091-3104.	3.8	114
36	Experimental design and optimization of asymmetric flat-sheet membranes prepared for direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2010, 351, 234-245.	8.2	114

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37	Reduction of nanofiltration membrane fouling by UV-initiated graft polymerization technique. Journal of Membrane Science, 2010, 355, 133-141.	8.2	114
38	Surface segregation of fluorinated modifying macromolecule for hydrophobic/hydrophilic membrane preparation and application in air gap and direct contact membrane distillation. Journal of Membrane Science, 2012, 417-418, 163-173.	8.2	114
39	PSSA pore-filled PVDF membranes by simultaneous electron beam irradiation: Preparation and transport characteristics of protons and methanol. Journal of Membrane Science, 2006, 268, 96-108.	8.2	110
40	Theoretical and experimental studies on desalination using the sweeping gas membrane distillation method. Desalination, 2003, 157, 297-305.	8.2	108
41	Experimental tile with phase change materials (PCM) for building use. Energy and Buildings, 2011, 43, 1869-1874.	6.7	104
42	Vacuum Membrane Distillation. , 2011, , 323-359.		104
43	Application of Response Surface Methodology and Experimental Design in Direct Contact Membrane Distillation. Industrial & Engineering Chemistry Research, 2007, 46, 5673-5685.	3.7	102
44	Micellar enhanced ultrafiltration process for the treatment of olive mill wastewater. Water Research, 2011, 45, 4522-4530.	11.3	102
45	Treatment of radioactive wastewater solutions by direct contact membrane distillation using surface modified membranes. Desalination, 2013, 321, 60-66.	8.2	100
46	Thermal conductivity of carbon nanotubes and graphene in epoxy nanofluids and nanocomposites. Nanoscale Research Letters, 2011, 6, 610.	5.7	99
47	Numerical simulation and experimental studies on heat and mass transfer using sweeping gas membrane distillation. Desalination, 2010, 259, 84-96.	8.2	98
48	Concentration of olive mill wastewater by membrane distillation for polyphenols recovery. Desalination, 2009, 245, 670-674.	8.2	96
49	New Insights into the Properties of Pubescent Surfaces: Peach Fruit as a Model. Plant Physiology, 2011, 156, 2098-2108.	4.8	95
50	Experimental and theoretical investigation on water desalination using air gap membrane distillation. Desalination, 2015, 376, 94-108.	8.2	94
51	Study on the effect of a non-solvent additive on the morphology and performance of ultrafiltration hollow-fiber membranes. Desalination, 2002, 148, 321-327.	8.2	93
52	Dual-layered electrospun nanofibrous membranes for membrane distillation. Desalination, 2018, 426, 174-184.	8.2	91
53	Artificial neural network model for desalination by sweeping gas membrane distillation. Desalination, 2013, 308, 102-110.	8.2	90
54	Air gap membrane distillation: Desalination, modeling and optimization. Desalination, 2012, 287, 138-145.	8.2	86

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55	Filled poly(2,6-dimethyl-1,4-phenylene oxide) dense membranes by silica and silane modified silica nanoparticles: characterization and application in pervaporation. <i>Polymer</i> , 2005, 46, 9881-9891.	3.8	85
56	Study on surface modification by surface-modifying macromolecules and its applications in membrane-separation processes. <i>Journal of Applied Polymer Science</i> , 2003, 89, 2902-2916.	2.6	83
57	Morphological study of fluorinated asymmetric polyetherimide ultrafiltration membranes by surface modifying macromolecules. <i>Journal of Membrane Science</i> , 2003, 213, 159-180.	8.2	80
58	Response surface modeling and optimization of composite nanofiltration modified membranes. <i>Journal of Membrane Science</i> , 2010, 349, 113-122.	8.2	80
59	Treatment of reverse osmosis brine by direct contact membrane distillation: Chemical pretreatment approach. <i>Desalination</i> , 2017, 420, 79-90.	8.2	80
60	Localization of polysaccharides in isolated and intact cuticles of eucalypt, poplar and pear leaves by enzyme-gold labelling. <i>Plant Physiology and Biochemistry</i> , 2014, 76, 1-6.	5.8	79
61	Porous hydrophobic/hydrophilic composite membranes: Estimation of the hydrophobic-layer thickness. <i>Journal of Membrane Science</i> , 2005, 266, 68-79.	8.2	78
62	Chemical and structural analysis of <i>Eucalyptus globulus</i> and <i>E. camaldulensis</i> leaf cuticles: a lipidized cell wall region. <i>Frontiers in Plant Science</i> , 2014, 5, 481.	3.6	78
63	Preparation and application of dense poly(phenylene oxide) membranes in pervaporation. <i>Journal of Colloid and Interface Science</i> , 2004, 278, 410-422.	9.4	77
64	Self-sustained webs of polyvinylidene fluoride electrospun nanofibers at different electrospinning times: 2. Theoretical analysis, polarization effects and thermal efficiency. <i>Journal of Membrane Science</i> , 2013, 433, 180-191.	8.2	77
65	Thermal properties of n-pentadecane, n-heptadecane and n-nonadecane in the solid/liquid phase change region. <i>International Journal of Thermal Sciences</i> , 2015, 94, 139-146.	4.9	77
66	Development of antifouling properties and performance of nanofiltration membranes modified by interfacial polymerisation. <i>Desalination</i> , 2011, 273, 36-47.	8.2	75
67	Thermal boundary layers in sweeping gas membrane distillation processes. <i>AIChE Journal</i> , 2002, 48, 1488-1497.	3.6	74
68	Treatment of olive mill wastewater by membrane distillation using polytetrafluoroethylene membranes. <i>Separation and Purification Technology</i> , 2012, 98, 55-61.	7.9	73
69	Modeling and optimization of sweeping gas membrane distillation. <i>Desalination</i> , 2012, 287, 159-166.	8.2	73
70	Fouling in Membrane Distillation, Osmotic Distillation and Osmotic Membrane Distillation. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 334.	2.5	73
71	Superhydrophobic polysulfone/polydimethylsiloxane electrospun nanofibrous membranes for water desalination by direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2017, 542, 308-319.	8.2	72
72	Application of a porous composite hydrophobic/hydrophilic membrane in desalination by air gap and liquid gap membrane distillation: A comparative study. <i>Separation and Purification Technology</i> , 2014, 133, 176-186.	7.9	70

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73	Monte Carlo simulation and experimental heat and mass transfer in direct contact membrane distillation. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 1249-1259.	4.8	69
74	Preparation of radiochemically pore-filled polymer electrolyte membranes for direct methanol fuel cells. <i>Journal of Power Sources</i> , 2006, 156, 200-210.	7.8	68
75	Possibility of nuclear desalination through various membrane distillation configurations: a comparative study. <i>International Journal of Nuclear Desalination</i> , 2003, 1, 30.	0.2	65
76	Measurement of the thermal conductivity of nanofluids by the multicurrent hot-wire method. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	65
77	Effects of mixed solvents on the structural morphology and membrane distillation performance of PVDF-HFP hollow fiber membranes. <i>Journal of Membrane Science</i> , 2014, 468, 324-338.	8.2	65
78	Response surface modelling and optimization in pervaporation. <i>Journal of Membrane Science</i> , 2008, 321, 272-283.	8.2	63
79	Superhydrophobic nanofibers electrospun by surface segregating fluorinated amphiphilic additive for membrane distillation. <i>Journal of Membrane Science</i> , 2019, 588, 117215.	8.2	63
80	Membrane surface modification and characterization by X-ray photoelectron spectroscopy, atomic force microscopy and contact angle measurements. <i>Applied Surface Science</i> , 2004, 238, 269-272.	6.1	62
81	Structural and performance studies of poly(vinyl chloride) hollow fiber membranes prepared at different air gap lengths. <i>Journal of Membrane Science</i> , 2009, 330, 30-39.	8.2	61
82	Effect of wheat phosphorus status on leaf surface properties and permeability to foliar-applied phosphorus. <i>Plant and Soil</i> , 2014, 384, 7-20.	3.7	61
83	Determination of surface and bulk pore sizes of flat-sheet and hollow-fiber membranes by atomic force microscopy, gas permeation and solute transport methods. <i>Desalination</i> , 2003, 158, 57-64.	8.2	60
84	Application of membrane distillation technology in the treatment of table olive wastewaters for phenolic compounds concentration and high quality water production. <i>Chemical Engineering and Processing: Process Intensification</i> , 2014, 86, 153-161.	3.6	60
85	Self-sustained electro-spun polysulfone nano-fibrous membranes and their surface modification by interfacial polymerization for micro- and ultra-filtration. <i>Separation and Purification Technology</i> , 2014, 138, 118-129.	7.9	59
86	Surface modification of polyvinylidene fluoride pervaporation membranes. <i>AIChE Journal</i> , 2002, 48, 2833-2843.	3.6	58
87	Comparison of two different UV-grafted nanofiltration membranes prepared for reduction of humic acid fouling using acrylic acid and N-vinylpyrrolidone. <i>Desalination</i> , 2012, 287, 19-29.	8.2	58
88	Evaluation of the surface free energy of plant surfaces: toward standardizing the procedure. <i>Frontiers in Plant Science</i> , 2015, 6, 510.	3.6	58
89	Estimation of the solubility parameters of model plant surfaces and agrochemicals: a valuable tool for understanding plant surface interactions. <i>Theoretical Biology and Medical Modelling</i> , 2012, 9, 45.	2.1	57
90	Study of Asymmetric Polarization in Direct Contact Membrane Distillation. <i>Separation Science and Technology</i> , 2005, 39, 125-147.	2.5	56

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91	Morphological design of alumina hollow fiber membranes for desalination by air gap membrane distillation. <i>Desalination</i> , 2017, 420, 226-240.	8.2	55
92	Preparation and characterization of PVDF- <i>h</i> HFP copolymer hollow fiber membranes for membrane distillation. <i>Desalination</i> , 2009, 245, 469-473.	8.2	54
93	Mixed Matrix Polytetrafluoroethylene/Polysulfone Electrospun Nanofibrous Membranes for Water Desalination by Membrane Distillation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 24275-24287.	8.0	53
94	Optimization of solar-powered reverse osmosis desalination pilot plant using response surface methodology. <i>Desalination</i> , 2010, 261, 284-292.	8.2	52
95	Treatment of crude olive mill wastewaters by osmotic distillation and osmotic membrane distillation. <i>Separation and Purification Technology</i> , 2013, 104, 327-332.	7.9	52
96	X-Ray diffraction study of polyethersulfone polymer, flat-sheet and hollow fibers prepared from the same under different gas-gaps. <i>Desalination</i> , 2009, 245, 494-500.	8.2	51
97	Effect of salt concentration during the treatment of humic acid solutions by membrane distillation. <i>Desalination</i> , 2004, 168, 373-381.	8.2	49
98	Radiation grafted poly(ethylene terephthalate)-polystyrene pervaporation membranes for organic/organic separation. <i>Journal of Membrane Science</i> , 2005, 263, 77-95.	8.2	49
99	Effect of surface modifying macromolecules stoichiometric ratio on composite hydrophobic/hydrophilic membranes characteristics and performance in direct contact membrane distillation. <i>AIChE Journal</i> , 2009, 55, 3145-3151.	3.6	49
100	A review on experimental research using scale models for buildings: Application and methodologies. <i>Energy and Buildings</i> , 2017, 142, 72-110.	6.7	48
101	Preferential surface segregation of homopolymer and copolymer blend films. <i>Surface Science</i> , 2007, 601, 885-895.	1.9	45
102	Studies on pervaporation separation of acetone, acetonitrile and ethanol from aqueous solutions. <i>Separation and Purification Technology</i> , 2008, 63, 303-310.	7.9	45
103	Coupling of a membrane distillation module to a multieffect distiller for pure water production. <i>Desalination</i> , 1998, 115, 71-81.	8.2	44
104	Direct contact membrane distillation for nuclear desalination, Part II: experiments with radioactive solutions. <i>International Journal of Nuclear Desalination</i> , 2006, 2, 56.	0.2	44
105	Direct contact membrane distillation for nuclear desalination. Part I: Review of membranes used in membrane distillation and methods for their characterisation. <i>International Journal of Nuclear Desalination</i> , 2005, 1, 435.	0.2	43
106	Desalination and concentration of saline aqueous solutions up to supersaturation by air gap membrane distillation and crystallization fouling. <i>Desalination</i> , 2016, 393, 39-51.	8.2	43
107	Application of membrane distillation for the treatment of oil field produced water. <i>Desalination</i> , 2020, 494, 114678.	8.2	43
108	Modelling Transport Mechanism Through A Porous Partition. <i>Journal of Non-Equilibrium Thermodynamics</i> , 2001, 26, 1-14.	4.2	42

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109	Structural and performance study of micro porous polyetherimide hollow fiber membranes prepared at different air-gap. Journal of Membrane Science, 2004, 245, 191-198.	8.2	42
110	A novel profiled core-shell nanofibrous membrane for wastewater treatment by direct contact membrane distillation. Journal of Materials Chemistry A, 2016, 4, 14453-14463.	10.3	42
111	Modeling and optimization of a solar forward osmosis pilot plant by response surface methodology. Solar Energy, 2016, 137, 290-302.	6.1	42
112	Interlaced CNT Electrodes for Bacterial Fouling Reduction of Microfiltration Membranes. Environmental Science & Technology, 2017, 51, 9176-9183.	10.0	40
113	A Monte Carlo simulation model for vacuum membrane distillation process. Journal of Membrane Science, 2007, 306, 341-348.	8.2	39
114	Analysis of the membrane thickness effect on the pervaporation separation of methanol/methyl tertiary butyl ether mixtures. Separation and Purification Technology, 2005, 47, 80-87.	7.9	37
115	Desalination by direct contact membrane distillation using mixed matrix electrospun nanofibrous membranes with carbon-based nanofillers: A strategic improvement. Chemical Engineering Journal, 2021, 426, 131316.	12.7	37
116	Modeling and multi-response optimization of pervaporation of organic aqueous solutions using desirability function approach. Journal of Hazardous Materials, 2009, 167, 52-63.	12.4	35
117	Sweeping gas membrane distillation of sucrose aqueous solutions: Response surface modeling and optimization. Separation and Purification Technology, 2011, 81, 12-24.	7.9	35
118	Heat-treated optimized polysulfone electrospun nanofibrous membranes for high performance wastewater microfiltration. Separation and Purification Technology, 2019, 226, 323-336.	7.9	34
119	Introduction to Membrane Distillation. , 2011, , 1-16.		33
120	Hollow fiber spinning experimental design and analysis of defects for fabrication of optimized membranes for membrane distillation. Desalination, 2012, 287, 146-158.	8.2	33
121	Improved antifouling performance of polyester thin film nanofiber composite membranes prepared by interfacial polymerization. Journal of Membrane Science, 2020, 598, 117774.	8.2	33
122	Characterization of surface-modified hollow fiber polyethersulfone membranes prepared at different air gaps. Journal of Applied Polymer Science, 2007, 104, 710-721.	2.6	32
123	Effects of gas gap type on structural morphology and performance of hollow fibers. Journal of Membrane Science, 2008, 311, 259-269.	8.2	32
124	Experimental and theoretical studies on the formation of pure $\beta$ -phase polymorphs during fabrication of polyvinylidene fluoride membranes by cyclic carbonate solvents. Green Chemistry, 2021, 23, 2130-2147.	9.0	30
125	Surface modification of membranes for the separation of volatile organic compounds from water by pervaporation. Desalination, 2002, 148, 31-37.	8.2	29
126	Study of the surface of the water treated cellulose acetate membrane by atomic force microscopy. Desalination, 2004, 161, 259-262.	8.2	27



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127	Application of the Multi-Current Transient Hot-Wire Technique for Absolute Measurements of the Thermal Conductivity of Glycols. <i>International Journal of Thermophysics</i> , 2005, 26, 637-646.	2.1	27
128	Improvement of nanostructured electrospun membranes for desalination by membrane distillation technology. <i>Desalination</i> , 2021, 510, 115086.	8.2	27
129	Measurement of the thermal conductivity of clays used in pelotherapy by the multi-current hot-wire technique. <i>Applied Clay Science</i> , 2010, 50, 423-426.	5.2	26
130	Ultrastructure of Plant Leaf Cuticles in relation to Sample Preparation as Observed by Transmission Electron Microscopy. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	2.1	26
131	Hollow fibre polymeric membranes for desalination by membrane distillation technology: A review of different morphological structures and key strategic improvements. <i>Desalination</i> , 2021, 516, 115235.	8.2	26
132	Non-ionic deep eutectic solvents for membrane formation. <i>Journal of Membrane Science</i> , 2022, 646, 120238.	8.2	26
133	Pervaporation of Toluene/Alcohol Mixtures through a Coextruded Linear Low-Density Polyethylene Membrane. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 386-391.	3.7	25
134	Direct Contact Membrane Distillation. , 2011, , 249-293.		23
135	Porous hydrophobic/hydrophilic composite membranes preparation and application in DCMD desalination at higher temperatures. <i>Desalination</i> , 2006, 199, 180-181.	8.2	22
136	Structural, Mechanical, and Transport Properties of Electron Beam-Irradiated Chitosan Membranes at Different Doses. <i>Polymers</i> , 2018, 10, 117.	4.5	22
137	Comparing the desalination performance of SMM blended polyethersulfone to SMM blended polyetherimide membranes by direct contact membrane distillation. <i>Desalination and Water Treatment</i> , 2009, 5, 91-98.	1.0	21
138	Mechanism of formation of hollow fiber membranes for membrane distillation: 1. Inner coagulation power effect on morphological characteristics. <i>Journal of Membrane Science</i> , 2017, 542, 456-468.	8.2	21
139	Robust surface modified polyetherimide hollow fiber membrane for long-term desalination by membrane distillation. <i>Desalination</i> , 2019, 466, 107-117.	8.2	20
140	Pervaporation of Alcohols and Methyltert-Butyl Ether through a Dense Poly(2,6-dimethyl-1,4-phenylene oxide) Membrane. <i>Industrial &amp; Engineering Chemistry Research</i> , 2004, 43, 2548-2555.	3.7	19
141	Air Gap Membrane Distillation. , 2011, , 361-398.		19
142	Mechanism of formation of hollow fiber membranes for membrane distillation: 2. Outer coagulation power effect on morphological characteristics. <i>Journal of Membrane Science</i> , 2017, 542, 469-481.	8.2	19
143	Hollow fiber membranes with different external corrugated surfaces for desalination by membrane distillation. <i>Applied Surface Science</i> , 2017, 416, 932-946.	6.1	19
144	Cyclic olefin polymer as a novel membrane material for membrane distillation applications. <i>Journal of Membrane Science</i> , 2021, 621, 118845.	8.2	17

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145	Fundamentals of membrane distillation. , 2015, , 277-316.		16
146	Recycled reverse osmosis membranes for forward osmosis technology. Desalination, 2021, 519, 115312.	8.2	16
147	Thermal conductivity and density of clay pastes at various water contents for pelotherapy use. Applied Clay Science, 2014, 93-94, 23-27.	5.2	15
148	Enhancing antimicrobial properties of poly(vinylidene fluoride)/hexafluoropropylene copolymer membrane by electron beam induced grafting of N-vinyl-2-pyrrolidone and iodine immobilization. RSC Advances, 2016, 6, 42461-42473.	3.6	15
149	High-Flux Thin Film Composite PIM-1 Membranes for Butanol Recovery: Experimental Study and Process Simulations. ACS Applied Materials & Interfaces, 2021, 13, 42635-42649.	8.0	15
150	Sweeping Gas Membrane Distillation. , 2011, , 295-322.		14
151	Membranes used in membrane distillation: preparation and characterization. , 2015, , 317-359.		12
152	Reuse of discarded membrane distillation membranes in microfiltration technology. Journal of Membrane Science, 2017, 539, 273-283.	8.2	12
153	Electrospun Nanostructured Membrane Engineering Using Reverse Osmosis Recycled Modules: Membrane Distillation Application. Nanomaterials, 2021, 11, 1601.	4.1	12
154	Water desalination by membrane distillation using PVDF-HFP hollow fiber membranes. Membrane Water Treatment, 2010, 1, 215-230.	0.5	12
155	Effect of salt type on mass transfer in reverse osmosis thin film composite membranes. Desalination, 2004, 168, 383-390.	8.2	11
156	UV-photografting modification of NF membrane surface for NOM wfouling reduction. Desalination and Water Treatment, 2013, 51, 4855-4861.	1.0	11
157	Desalination by Membrane Distillation. , 2016, , 77-109.		11
158	Application of poly(ethylene terephthalate)-graft-polystyrene membranes in pervaporation. Desalination, 2006, 193, 109-118.	8.2	10
159	Sulfonated radiation grafted polystyrene pore-filled poly(vinylidene fluoride) membranes for direct methanol fuel cells: structureâ€”property correlations. Desalination, 2006, 200, 642-644.	8.2	10
160	AFM images of the cross-section of polyetherimide hollow fibers. Desalination, 2006, 201, 130-137.	8.2	9
161	Radioactive decontamination of water. Desalination, 2013, 321, 1-2.	8.2	9
162	Novel and emerging membranes for water treatment by hydrostatic pressure and vapor pressure gradient membrane processes. , 2015, , 239-285.		9

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163	Magnetized Activated Carbon Synthesized from Pomegranate Husk for Persulfate Activation and Degradation of 4-Chlorophenol from Wastewater. Applied Sciences (Switzerland), 2022, 12, 1611.	2.5	9
164	Millable Polyurethane/Organoclay Nanocomposites: Preparation, Characterization, and Properties. Journal of Nanoscience and Nanotechnology, 2007, 7, 634-640.	0.9	8
165	Membrane Distillation Hybrid Systems. , 2011, , 399-427.		8
166	Cyclic olefin polymer membrane as an emerging material for CO2 capture in gas-liquid membrane contactor. Journal of Environmental Chemical Engineering, 2022, 10, 107669.	6.7	7
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168	Thermal conductivity of water Ih-ice measured with transient hot-wires of different lengths. Applied Thermal Engineering, 2019, 149, 788-797.	6.0	6
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