

# Mohamed Khayet

## List of Publications by Year in descending order

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199  
papers

14,409  
citations

14124

69  
h-index

25230

113  
g-index

204  
all docs

204  
docs citations

204  
times ranked

8961  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-ionic deep eutectic solvents for membrane formation. Journal of Membrane Science, 2022, 646, 120238.	4.1	26
2	Magnetized Activated Carbon Synthesized from Pomegranate Husk for Persulfate Activation and Degradation of 4-Chlorophenol from Wastewater. Applied Sciences (Switzerland), 2022, 12, 1611.	1.3	9
3	Reuse and recycling of end-of-life reverse osmosis membranes. , 2022, , 381-417.		0
4	Cyclic olefin polymer membrane as an emerging material for CO <sub>2</sub> capture in gas-liquid membrane contactor. Journal of Environmental Chemical Engineering, 2022, 10, 107669.	3.3	7
5	Polyvinylidene fluoride membrane formation using carbon dioxide as a non-solvent additive for nuclear wastewater decontamination. Chemical Engineering Journal, 2022, 446, 137300.	6.6	6
6	Thermal conductivity and thermal diffusivity of fullerene-based nanofluids. Scientific Reports, 2022, 12, .	1.6	6
7	Cyclic olefin polymer as a novel membrane material for membrane distillation applications. Journal of Membrane Science, 2021, 621, 118845.	4.1	17
8	Osmotic distillation and osmotic membrane distillation for the treatment of different feed solutions. , 2021, , 245-278.		1
9	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.	4.6	30
10	Electrospun Nanostructured Membrane Engineering Using Reverse Osmosis Recycled Modules: Membrane Distillation Application. Nanomaterials, 2021, 11, 1601.	1.9	12
11	Improvement of nanostructured electrospun membranes for desalination by membrane distillation technology. Desalination, 2021, 510, 115086.	4.0	27
12	High-Flux Thin Film Composite PIM-1 Membranes for Butanol Recovery: Experimental Study and Process Simulations. ACS Applied Materials & Interfaces, 2021, 13, 42635-42649.	4.0	15
13	Optimization of UV-photografting factors in preparation of polyacrylic-polyethersulfone forward osmosis membrane using response surface methodology. Korean Journal of Chemical Engineering, 2021, 38, 2313-2323.	1.2	2
14	Hollow fibre polymeric membranes for desalination by membrane distillation technology: A review of different morphological structures and key strategic improvements. Desalination, 2021, 516, 115235.	4.0	26
15	Recycled reverse osmosis membranes for forward osmosis technology. Desalination, 2021, 519, 115312.	4.0	16
16	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.	6.6	37
17	Improved antifouling performance of polyester thin film nanofiber composite membranes prepared by interfacial polymerization. Journal of Membrane Science, 2020, 598, 117774.	4.1	33
18	Application of membrane distillation for the treatment of oil field produced water. Desalination, 2020, 494, 114678.	4.0	43

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19	Mixed Poiseuille-Knudsen flow model for Gas Liquid Displacement porometry data treatment. Journal of Membrane Science, 2020, 612, 118422.	4.1	4
20	Superhydrophobic nanofibers electrospun by surface segregating fluorinated amphiphilic additive for membrane distillation. Journal of Membrane Science, 2019, 588, 117215.	4.1	63
21	Robust surface modified polyetherimide hollow fiber membrane for long-term desalination by membrane distillation. Desalination, 2019, 466, 107-117.	4.0	20
22	Heat-treated optimized polysulfone electrospun nanofibrous membranes for high performance wastewater microfiltration. Separation and Purification Technology, 2019, 226, 323-336.	3.9	34
23	Application of direct contact membrane distillation for textile wastewater treatment and fouling study. Separation and Purification Technology, 2019, 209, 815-825.	3.9	121
24	Thermal conductivity of water Ih-ice measured with transient hot-wires of different lengths. Applied Thermal Engineering, 2019, 149, 788-797.	3.0	6
25	Nanotechnology Based Platforms for Efficient Water Desalination. Desalination, 2019, 451, 1.	4.0	2
26	Dual-layered electrospun nanofibrous membranes for membrane distillation. Desalination, 2018, 426, 174-184.	4.0	91
27	Structural, Mechanical, and Transport Properties of Electron Beam-Irradiated Chitosan Membranes at Different Doses. Polymers, 2018, 10, 117.	2.0	22
28	Mixed Matrix Polytetrafluoroethylene/Polysulfone Electrospun Nanofibrous Membranes for Water Desalination by Membrane Distillation. ACS Applied Materials & Interfaces, 2018, 10, 24275-24287.	4.0	53
29	A review on experimental research using scale models for buildings: Application and methodologies. Energy and Buildings, 2017, 142, 72-110.	3.1	48
30	Mechanism of formation of hollow fiber membranes for membrane distillation: 2. Outer coagulation power effect on morphological characteristics. Journal of Membrane Science, 2017, 542, 469-481.	4.1	19
31	Mechanism of formation of hollow fiber membranes for membrane distillation: 1. Inner coagulation power effect on morphological characteristics. Journal of Membrane Science, 2017, 542, 456-468.	4.1	21
32	Hollow fiber membranes with different external corrugated surfaces for desalination by membrane distillation. Applied Surface Science, 2017, 416, 932-946.	3.1	19
33	Reuse of discarded membrane distillation membranes in microfiltration technology. Journal of Membrane Science, 2017, 539, 273-283.	4.1	12
34	Superhydrophobic polysulfone/polydimethylsiloxane electrospun nanofibrous membranes for water desalination by direct contact membrane distillation. Journal of Membrane Science, 2017, 542, 308-319.	4.1	72
35	Morphological design of alumina hollow fiber membranes for desalination by air gap membrane distillation. Desalination, 2017, 420, 226-240.	4.0	55
36	Interlaced CNT Electrodes for Bacterial Fouling Reduction of Microfiltration Membranes. Environmental Science & Technology, 2017, 51, 9176-9183.	4.6	40

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37	Treatment of reverse osmosis brine by direct contact membrane distillation: Chemical pretreatment approach. <i>Desalination</i> , 2017, 420, 79-90.	4.0	80
38	Topical issue on non-isothermal transport in complex fluids. <i>European Physical Journal E</i> , 2017, 40, 51.	0.7	2
39	Experimental and theoretical investigations on water desalination using direct contact membrane distillation. <i>Desalination</i> , 2017, 404, 22-34.	4.0	156
40	Fouling in Membrane Distillation, Osmotic Distillation and Osmotic Membrane Distillation. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 334.	1.3	73
41	Enhancing antimicrobial properties of poly(vinylidene fluoride)/hexafluoropropylene copolymer membrane by electron beam induced grafting of N-vinyl-2-pyrrolidone and iodine immobilization. <i>RSC Advances</i> , 2016, 6, 42461-42473.	1.7	15
42	A novel profiled core-shell nanofibrous membrane for wastewater treatment by direct contact membrane distillation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14453-14463.	5.2	42
43	Modeling and optimization of a solar forward osmosis pilot plant by response surface methodology. <i>Solar Energy</i> , 2016, 137, 290-302.	2.9	42
44	Desalination by Membrane Distillation. , 2016, , 77-109.		11
45	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.	4.0	43
46	Evaluation of the surface free energy of plant surfaces: toward standardizing the procedure. <i>Frontiers in Plant Science</i> , 2015, 6, 510.	1.7	58
47	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.	5.1	224
48	Membranes used in membrane distillation: preparation and characterization. , 2015, , 317-359.		12
49	Novel and emerging membranes for water treatment by electric potential and concentration gradient membrane processes. , 2015, , 287-325.		1
50	Novel and emerging membranes for water treatment by hydrostatic pressure and vapor pressure gradient membrane processes. , 2015, , 239-285.		9
51	Fundamentals of membrane distillation. , 2015, , 277-316.		16
52	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.	2.6	77
53	Experimental and theoretical investigation on water desalination using air gap membrane distillation. <i>Desalination</i> , 2015, 376, 94-108.	4.0	94
54	Membrane Distillation (MD). , 2015, , 61-99.		6

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55	Chemical and structural analysis of Eucalyptus globulus and E. camaldulensis leaf cuticles: a lipidized cell wall region. <i>Frontiers in Plant Science</i> , 2014, 5, 481.	1.7	78
56	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.	4.1	117
57	Thermal conductivity and density of clay pastes at various water contents for pelotherapy use. <i>Applied Clay Science</i> , 2014, 93-94, 23-27.	2.6	15
58	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.	3.9	59
59	Wettability, Polarity, and Water Absorption of Holm Oak Leaves: Effect of Leaf Side and Age. <i>Plant Physiology</i> , 2014, 166, 168-180.	2.3	151
60	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.	3.9	70
61	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.	1.8	60
62	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.	4.1	65
63	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.	2.8	79
64	Effect of wheat phosphorus status on leaf surface properties and permeability to foliar-applied phosphorus. <i>Plant and Soil</i> , 2014, 384, 7-20.	1.8	61
65	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.	0.8	26
66	Energy Consumption and Thermal Behavior of a Light Construction Room-Sized Test Cell. , 2014, , 193-200.		1
67	Treatment of crude olive mill wastewaters by osmotic distillation and osmotic membrane distillation. <i>Separation and Purification Technology</i> , 2013, 104, 327-332.	3.9	52
68	Radioactive decontamination of water. <i>Desalination</i> , 2013, 321, 1-2.	4.0	9
69	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.	4.1	77
70	Treatment of radioactive wastewater solutions by direct contact membrane distillation using surface modified membranes. <i>Desalination</i> , 2013, 321, 60-66.	4.0	100
71	Integrated direct contact membrane distillation for olive mill wastewater treatment. <i>Desalination</i> , 2013, 323, 31-38.	4.0	129
72	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.	4.1	146

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73	Artificial neural network model for desalination by sweeping gas membrane distillation. Desalination, 2013, 308, 102-110.	4.0	90
74	Solar desalination by membrane distillation: Dispersion in energy consumption analysis and water production costs (a review). Desalination, 2013, 308, 89-101.	4.0	249
75	UV-photografting modification of NF membrane surface for NOM wfouling reduction. Desalination and Water Treatment, 2013, 51, 4855-4861.	1.0	11
76	Surface Modification of Electrospun Nanofiber and Nanofibrous Membranes. , 2012, , 215-258.		0
77	Membranes in Nuclear Science and Technology. , 2012, , 1-20.		4
78	Fabrication and Characterization of Electro-Spun Nano-Fibrous Membranes for Desalination by Membrane Distillation. Procedia Engineering, 2012, 44, 235-237.	1.2	3
79	Spinning an Optimized Hollow Fiber Membrane for Desalination by Membrane Distillation using Experimental Statistical Designs. Procedia Engineering, 2012, 44, 1786-1787.	1.2	0
80	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.	4.1	114
81	Treatment of olive mill wastewater by membrane distillation using polytetrafluoroethylene membranes. Separation and Purification Technology, 2012, 98, 55-61.	3.9	73
82	Estimation of the solubility parameters of model plant surfaces and agrochemicals: a valuable tool for understanding plant surface interactions. Theoretical Biology and Medical Modelling, 2012, 9, 45.	2.1	57
83	Comparison of two different UV-grafted nanofiltration membranes prepared for reduction of humic acid fouling using acrylic acid and N-vinylpyrrolidone. Desalination, 2012, 287, 19-29.	4.0	58
84	Modeling and optimization of sweeping gas membrane distillation. Desalination, 2012, 287, 159-166.	4.0	73
85	Hollow fiber spinning experimental design and analysis of defects for fabrication of optimized membranes for membrane distillation. Desalination, 2012, 287, 146-158.	4.0	33
86	Air gap membrane distillation: Desalination, modeling and optimization. Desalination, 2012, 287, 138-145.	4.0	86
87	Artificial neural network modeling and optimization of desalination by air gap membrane distillation. Separation and Purification Technology, 2012, 86, 171-182.	3.9	117
88	Development of Antifouling Properties and Performance of Nanofiltration Membranes by Interfacial Polymerization and Photografting Techniques. , 2012, , 119-158.		0
89	Integrating Hydrophobic Surface-Modifying Macromolecules into Hydrophilic Polymers to Produce Membranes for Membrane Distillation. , 2012, , 159-178.		0
90	New Insights into the Properties of Pubescent Surfaces: Peach Fruit as a Model. Plant Physiology, 2011, 156, 2098-2108.	2.3	95

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91	Membranes Used in MD and Design. , 2011, , 17-40.		3
92	Future Directions in Membrane Distillation. , 2011, , 453-460.		4
93	Introduction to Membrane Distillation. , 2011, , 1-16.		33
94	Air Gap Membrane Distillation. , 2011, , 361-398.		19
95	MD Membrane Modules. , 2011, , 227-247.		2
96	Thermally Induced Phase Separation for MD Membrane Formation. , 2011, , 89-120.		3
97	Micellar enhanced ultrafiltration process for the treatment of olive mill wastewater. Water Research, 2011, 45, 4522-4530.	5.3	102
98	Formation of Hollow Fibre MD Membranes. , 2011, , 59-87.		1
99	Formation of Nano-Fibre MD Membranes. , 2011, , 163-187.		1
100	MD Membrane Characterization. , 2011, , 189-225.		3
101	Sweeping Gas Membrane Distillation. , 2011, , 295-322.		14
102	Membrane Distillation Hybrid Systems. , 2011, , 399-427.		8
103	Sweeping gas membrane distillation of sucrose aqueous solutions: Response surface modeling and optimization. Separation and Purification Technology, 2011, 81, 12-24.	3.9	35
104	Thermal conductivity of carbon nanotubes and graphene in epoxy nanofluids and nanocomposites. Nanoscale Research Letters, 2011, 6, 610.	3.1	99
105	Modelling and optimization of coagulation of highly concentrated industrial grade leather dye by response surface methodology. Chemical Engineering Journal, 2011, 167, 77-83.	6.6	144
106	Membranes and theoretical modeling of membrane distillation: A review. Advances in Colloid and Interface Science, 2011, 164, 56-88.	7.0	978
107	Development of antifouling properties and performance of nanofiltration membranes modified by interfacial polymerisation. Desalination, 2011, 273, 36-47.	4.0	75
108	Experimental tile with phase change materials (PCM) for building use. Energy and Buildings, 2011, 43, 1869-1874.	3.1	104

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109	Artificial neural network modeling and response surface methodology of desalination by reverse osmosis. <i>Journal of Membrane Science</i> , 2011, 368, 202-214.	4.1	179
110	Formation of Flat Sheet Phase Inversion MD Membranes. , 2011, , 41-58.		4
111	Economics, Energy Analysis and Costs Evaluation in MD. , 2011, , 429-452.		2
112	Direct Contact Membrane Distillation. , 2011, , 249-293.		23
113	Membrane Modification for MD Membrane Formation. , 2011, , 121-162.		1
114	Vacuum Membrane Distillation. , 2011, , 323-359.		104
115	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.	2.5	69
116	Response surface modeling and optimization of composite nanofiltration modified membranes. <i>Journal of Membrane Science</i> , 2010, 349, 113-122.	4.1	80
117	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.	4.1	114
118	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.	4.1	144
119	Nanofiltration thin-film composite polyester polyethersulfone-based membranes prepared by interfacial polymerization. <i>Journal of Membrane Science</i> , 2010, 348, 109-116.	4.1	147
120	Reduction of nanofiltration membrane fouling by UV-initiated graft polymerization technique. <i>Journal of Membrane Science</i> , 2010, 355, 133-141.	4.1	114
121	Optimization of solar-powered reverse osmosis desalination pilot plant using response surface methodology. <i>Desalination</i> , 2010, 261, 284-292.	4.0	52
122	Numerical simulation and experimental studies on heat and mass transfer using sweeping gas membrane distillation. <i>Desalination</i> , 2010, 259, 84-96.	4.0	98
123	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.	2.6	26
124	Water desalination by membrane distillation using PVDF-HFP hollow fiber membranes. <i>Membrane Water Treatment</i> , 2010, 1, 215-230.	0.5	12
125	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
126	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.	1.8	49



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127	Guidelines for preparation of higher flux hydrophobic/hydrophilic composite membranes for membrane distillation. <i>Journal of Membrane Science</i> , 2009, 329, 193-200.	4.1	115
128	Novel porous composite hydrophobic/hydrophilic polysulfone membranes for desalination by direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2009, 341, 139-148.	4.1	122
129	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.	4.1	144
130	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.	4.1	61
131	Modeling and multi-response optimization of pervaporation of organic aqueous solutions using desirability function approach. <i>Journal of Hazardous Materials</i> , 2009, 167, 52-63.	6.5	35
132	Preparation and characterization of PVDF/PPHFP copolymer hollow fiber membranes for membrane distillation. <i>Desalination</i> , 2009, 245, 469-473.	4.0	54
133	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.	4.0	51
134	Concentration of olive mill wastewater by membrane distillation for polyphenols recovery. <i>Desalination</i> , 2009, 245, 670-674.	4.0	96
135	Effects of gas gap type on structural morphology and performance of hollow fibers. <i>Journal of Membrane Science</i> , 2008, 311, 259-269.	4.1	32
136	Response surface modelling and optimization in pervaporation. <i>Journal of Membrane Science</i> , 2008, 321, 272-283.	4.1	63
137	Studies on pervaporation separation of acetone, acetonitrile and ethanol from aqueous solutions. <i>Separation and Purification Technology</i> , 2008, 63, 303-310.	3.9	45
138	Heat and mass transfer analysis in direct contact membrane distillation. <i>Desalination</i> , 2008, 219, 272-292.	4.0	402
139	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.	4.1	265
140	Measurement of the thermal conductivity of nanofluids by the multicurrent hot-wire method. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	65
141	Millable Polyurethane/Organoclay Nanocomposites: Preparation, Characterization, and Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 634-640.	0.9	8
142	Application of Response Surface Methodology and Experimental Design in Direct Contact Membrane Distillation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 5673-5685.	1.8	102
143	Characterization of surface-modified hollow fiber polyethersulfone membranes prepared at different air gaps. <i>Journal of Applied Polymer Science</i> , 2007, 104, 710-721.	1.3	32
144	Preferential surface segregation of homopolymer and copolymer blend films. <i>Surface Science</i> , 2007, 601, 885-895.	0.8	45

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145	Gas transport properties of polypropylene/clay composite membranes. <i>European Polymer Journal</i> , 2007, 43, 1132-1143.	2.6	118
146	A Monte Carlo simulation model for vacuum membrane distillation process. <i>Journal of Membrane Science</i> , 2007, 306, 341-348.	4.1	39
147	Application of vacuum membrane distillation for ammonia removal. <i>Journal of Membrane Science</i> , 2007, 301, 200-209.	4.1	204
148	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
149	Design of novel direct contact membrane distillation membranes. <i>Desalination</i> , 2006, 192, 105-111.	4.0	142
150	Application of poly(ethylene terephthalate)-graft-polystyrene membranes in pervaporation. <i>Desalination</i> , 2006, 193, 109-118.	4.0	10
151	AFM images of the cross-section of polyetherimide hollow fibers. <i>Desalination</i> , 2006, 201, 130-137.	4.0	9
152	Porous hydrophobic/hydrophilic composite membranes preparation and application in DCMD desalination at higher temperatures. <i>Desalination</i> , 2006, 199, 180-181.	4.0	22
153	Surface enrichment of homopolymer and copolymer thin blend films. <i>Desalination</i> , 2006, 200, 9-11.	4.0	1
154	Poly(2,6-dimethyl-1,4-phenylene oxide) mixed matrix pervaporation membranes. <i>Desalination</i> , 2006, 200, 376-378.	4.0	4
155	Sulfonated radiation grafted polystyrene pore-filled poly(vinylidene fluoride) membranes for direct methanol fuel cells: structure-property correlations. <i>Desalination</i> , 2006, 200, 642-644.	4.0	10
156	The passing of Juan I. Mengual. <i>Journal of Membrane Science</i> , 2006, 283, 1.	4.1	0
157	Preparation of radiochemically pore-filled polymer electrolyte membranes for direct methanol fuel cells. <i>Journal of Power Sources</i> , 2006, 156, 200-210.	4.0	68
158	PSSA pore-filled PVDF membranes by simultaneous electron beam irradiation: Preparation and transport characteristics of protons and methanol. <i>Journal of Membrane Science</i> , 2006, 268, 96-108.	4.1	110
159	A framework for better understanding membrane distillation separation process. <i>Journal of Membrane Science</i> , 2006, 285, 4-29.	4.1	1,103
160	Analysis of the membrane thickness effect on the pervaporation separation of methanol/methyl tertiary butyl ether mixtures. <i>Separation and Purification Technology</i> , 2005, 47, 80-87.	3.9	37
161	Porous hydrophobic/hydrophilic composite membranes. <i>Journal of Membrane Science</i> , 2005, 252, 101-113.	4.1	242
162	Porous hydrophobic/hydrophilic composite membranes: Estimation of the hydrophobic-layer thickness. <i>Journal of Membrane Science</i> , 2005, 266, 68-79.	4.1	78

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163	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.	1.8	85
164	Radiation grafted poly(ethylene terephthalate)-polystyrene pervaporation membranes for organic/organic separation. <i>Journal of Membrane Science</i> , 2005, 263, 77-95.	4.1	49
165	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.	1.0	27
166	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
167	Study of Asymmetric Polarization in Direct Contact Membrane Distillation. <i>Separation Science and Technology</i> , 2005, 39, 125-147.	1.3	56
168	Characterization of membrane distillation membranes by tapping mode atomic force microscopy. , 2005, , 141-148.		1
169	Effect of salt concentration during the treatment of humic acid solutions by membrane distillation. <i>Desalination</i> , 2004, 168, 373-381.	4.0	49
170	Effect of salt type on mass transfer in reverse osmosis thin film composite membranes. <i>Desalination</i> , 2004, 168, 383-390.	4.0	11
171	Heat and mass transfer in vacuum membrane distillation. <i>International Journal of Heat and Mass Transfer</i> , 2004, 47, 865-875.	2.5	235
172	Pervaporation and vacuum membrane distillation processes: Modeling and experiments. <i>AIChE Journal</i> , 2004, 50, 1697-1712.	1.8	148
173	Direct contact membrane distillation of humic acid solutions. <i>Journal of Membrane Science</i> , 2004, 240, 123-128.	4.1	115
174	Study of the surface of the water treated cellulose acetate membrane by atomic force microscopy. <i>Desalination</i> , 2004, 161, 259-262.	4.0	27
175	Preparation and application of dense poly(phenylene oxide) membranes in pervaporation. <i>Journal of Colloid and Interface Science</i> , 2004, 278, 410-422.	5.0	77
176	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.	4.1	167
177	Structural and performance study of micro porous polyetherimide hollow fiber membranes prepared at different air-gap. <i>Journal of Membrane Science</i> , 2004, 245, 191-198.	4.1	42
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