

Mikel C Duke

List of Publications by Year in descending order

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174
papers

9,426
citations

36691

53
h-index

48101

92
g-index

191
all docs

191
docs citations

191
times ranked

9261
citing authors

#	ARTICLE	IF	CITATIONS
1	Pilot demonstration of nitrogen removal from municipal wastewater by vacuum membrane distillation. <i>Journal of Water Process Engineering</i> , 2022, 47, 102726.	2.6	11
2	Food Waste Diversion from Landfills: A Cost-Benefit Analysis of Existing Technological Solutions Based on Greenhouse Gas Emissions. <i>Sustainability</i> , 2022, 14, 6753.	1.6	2
3	Highly-Efficient Sulfonated UiO-66(Zr) Optical Fiber for Rapid Detection of Trace Levels of Pb ²⁺ . <i>International Journal of Molecular Sciences</i> , 2021, 22, 6053.	1.8	13
4	Sunlight-Transmitting Photocatalytic Membrane for Reduced Maintenance Water Treatment. <i>ACS ES&T Water</i> , 2021, 1, 2001-2011.	2.3	7
5	Ozone combined with ceramic membranes for water treatment: Impact on HO radical formation and mitigation of bromate. <i>Journal of Environmental Management</i> , 2020, 253, 109655.	3.8	14
6	Removal of herbicide 2-methyl-4-chlorophenoxyacetic acid (MCPA) from saline industrial wastewater by reverse osmosis and nanofiltration. <i>Desalination</i> , 2020, 496, 114691.	4.0	15
7	Engineering a Nanocomposite Interlayer for a Novel Ceramic-Based Forward Osmosis Membrane with Enhanced Performance. <i>Environmental Science & Technology</i> , 2020, 54, 7715-7724.	4.6	63
8	Light conducting photocatalytic membrane for chemical-free fouling control in water treatment. <i>Journal of Membrane Science</i> , 2020, 604, 118018.	4.1	28
9	Functional Nanoporous Titanium Dioxide for Separation Applications: Synthesis Routes and Properties to Performance Analysis. , 2019, , 151-186.		1
10	Comparison of the effects of ozone, biological activated carbon (BAC) filtration and combined ozone-BAC pre-treatments on the microfiltration of secondary effluent. <i>Separation and Purification Technology</i> , 2019, 215, 308-316.	3.9	31
11	Cheese whey to biohydrogen and useful organic acids: A non-pathogenic microbial treatment by <i>L. acidophilus</i> . <i>Scientific Reports</i> , 2019, 9, 8320.	1.6	44
12	Modeling of heat and mass transfer in vacuum membrane distillation for ammonia separation. <i>Separation and Purification Technology</i> , 2019, 224, 121-131.	3.9	23
13	Prototype membrane electrolysis using a MFI-zeolite-coated ceramic tubular membrane provides in-line generation of two active electron mediators by eliminating active species crossover. <i>Journal of Membrane Science</i> , 2019, 579, 302-308.	4.1	5
14	Diffusion behavior of humic acid during desalination with air gap and water gap membrane distillation. <i>Water Research</i> , 2019, 158, 182-192.	5.3	23
15	Thermo-responsive nanofibrous composite membranes for efficient self-cleaning of protein foulants. <i>Journal of Membrane Science</i> , 2019, 574, 309-317.	4.1	33
16	Effect of Hybrid Photocatalysis and Ceramic Membrane Filtration Process for Humic Acid Degradation. , 2019, , 95-113.		0
17	Nanofibers for Membrane Applications. , 2019, , 937-960.		1
18	Activation of Persulfate at Waste Heat Temperatures for Humic Acid Degradation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4345-4353.	3.2	36

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19	Inter-layer free cobalt-doped silica membranes for pervaporation of ammonia solutions. <i>Journal of Membrane Science</i> , 2018, 553, 111-116.	4.1	12
20	Aqueous contaminant detection via UiO-66 thin film optical fiber sensor platform with fast Fourier transform based spectrum analysis. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 025601.	1.3	8
21	Critical review of the science and sustainability of persulphate advanced oxidation processes. <i>Chemical Engineering Journal</i> , 2018, 338, 651-669.	6.6	461
22	Wetting phenomena in membrane distillation: Mechanisms, reversal, and prevention. <i>Water Research</i> , 2018, 139, 329-352.	5.3	498
23	Treatment of secondary effluent by sequential combination of photocatalytic oxidation with ceramic membrane filtration. <i>Environmental Science and Pollution Research</i> , 2018, 25, 5191-5202.	2.7	14
24	Diffusion behaviour of multivalent ions at low pH through a MFI-type zeolite membrane. <i>Desalination</i> , 2018, 440, 88-98.	4.0	16
25	Relating water vapor transfer to ammonia recovery from biogas slurry by vacuum membrane distillation. <i>Separation and Purification Technology</i> , 2018, 191, 182-191.	3.9	78
26	Effect of oxidation with coagulation and ceramic microfiltration pre-treatment on reverse osmosis for desalination of recycled wastewater. <i>Desalination</i> , 2018, 431, 106-118.	4.0	13
27	Performance of a Two-Stage Membrane System for Bromelain Separation from Pineapple Waste Mixture as Impacted by Enzymatic Pre-Treatment and Diafiltration. <i>Food Technology and Biotechnology</i> , 2018, 56, 218-227.	0.9	6
28	Proof of Concept for Light Conducting Membrane Substrate for UV-Activated Photocatalysis as an Alternative to Chemical Cleaning. <i>Membranes</i> , 2018, 8, 122.	1.4	10
29	Dual Functional Ultrafiltration Membranes with Enzymatic Digestion and Thermo-Responsivity for Protein Self-Cleaning. <i>Membranes</i> , 2018, 8, 85.	1.4	7
30	Short Review on Porous Metal Membranes—Fabrication, Commercial Products, and Applications. <i>Membranes</i> , 2018, 8, 83.	1.4	39
31	Nanofibers for Membrane Applications. , 2018, , 1-24.		2
32	Synthetic magnetite, maghemite, and haematite activation of persulphate for orange G degradation. <i>Journal of Contaminant Hydrology</i> , 2018, 215, 73-85.	1.6	14
33	Surface-Engineered Biocatalytic Composite Membranes for Reduced Protein Fouling and Self-Cleaning. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27477-27487.	4.0	24
34	Silica fouling during direct contact membrane distillation of coal seam gas brine with high sodium bicarbonate and low hardness. <i>Desalination</i> , 2018, 444, 107-117.	4.0	20
35	Membrane Distillation Trial on Textile Wastewater Containing Surfactants Using Hydrophobic and Hydrophilic-Coated Polytetrafluoroethylene (PTFE) Membranes. <i>Membranes</i> , 2018, 8, 31.	1.4	37
36	Steel wool and carbonyl iron powder activation of persulphate for the degradation of pollutants. <i>Journal of Water Process Engineering</i> , 2018, 25, 58-69.	2.6	6

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37	Feasibility, mechanisms, and optimisation of organic pollutant degradation by thermally activated persulphate. <i>Chemical Engineering Research and Design</i> , 2018, 136, 304-314.	2.7	33
38	MOF-Coated Optical Fiber Sensor for Detection of 4-Aminopyridine in Water. , 2018, , .		0
39	Plasma-induced physicochemical effects on a poly(amide) thin-film composite membrane. <i>Desalination</i> , 2017, 403, 3-11.	4.0	24
40	Demonstration of membrane distillation on textile waste water: assessment of long term performance, membrane cleaning and waste heat integration. <i>Environmental Science: Water Research and Technology</i> , 2017, 3, 433-449.	1.2	89
41	Nanofiber Composite Membrane with Intrinsic Janus Surface for Reversed-Protein-Fouling Ultrafiltration. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18328-18337.	4.0	41
42	Co ³⁺ homogeneous mediator generation efficiency in a divided tubular electrochemical reactor with MFI-type zeolite membrane. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 52, 28-34.	2.9	6
43	Impact of ozonation and biological activated carbon filtration on ceramic membrane fouling. <i>Water Research</i> , 2017, 126, 308-318.	5.3	42
44	Sustainable waste water deammonification by vacuum membrane distillation without pH adjustment: Role of water chemistry. <i>Chemical Engineering Journal</i> , 2017, 328, 884-893.	6.6	53
45	Advanced oxidation of orange G using phosphonic acid stabilised zerovalent iron. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4014-4023.	3.3	21
46	Charge tunable thin-film composite membranes by gamma-ray triggered surface polymerization. <i>Scientific Reports</i> , 2017, 7, 4426.	1.6	9
47	Light-triggered 5-fluorouracil delivery via UiO-66 coated optical fiber. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
48	Effects of dope sonication and hydrophilic polymer addition on the properties of low pressure PVDF mixed matrix membranes. <i>Journal of Membrane Science</i> , 2017, 540, 200-211.	4.1	23
49	A method for defect repair of MFI-type zeolite membranes by multivalent ion infiltration. <i>Microporous and Mesoporous Materials</i> , 2017, 237, 140-150.	2.2	16
50	Strategies for maximizing removal of lactic acid from acid whey – Addressing the un-processability issue. <i>Separation and Purification Technology</i> , 2017, 172, 489-497.	3.9	23
51	Performance of Hybrid Photocatalytic-Ceramic Membrane System for the Treatment of Secondary Effluent. <i>Membranes</i> , 2017, 7, 20.	1.4	6
52	Membrane Distillation of Meat Industry Effluent with Hydrophilic Polyurethane Coated Polytetrafluoroethylene Membranes. <i>Membranes</i> , 2017, 7, 55.	1.4	18
53	Small Scale Direct Potable Reuse (DPR) Project for a Remote Area. <i>Water (Switzerland)</i> , 2017, 9, 94.	1.2	9
54	Nanoparticle Incorporation into Desalination and Water Treatment Membranes – Potential Advantages and Challenges. , 2017, , 261-303.		1

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55	Customizing the surface charge of thin-film composite membranes by surface plasma thin film polymerization. <i>Journal of Membrane Science</i> , 2017, 537, 1-10.	4.1	29
56	Effects of dissolution conditions on the properties of PVDF ultrafiltration membranes. <i>Ultrasonics Sonochemistry</i> , 2017, 39, 716-726.	3.8	16
57	Hybrid Processes Combining Photocatalysis and Ceramic Membrane Filtration for Degradation of Humic Acids in Saline Water. <i>Membranes</i> , 2016, 6, 18.	1.4	14
58	Membrane distillation and membrane electrolysis of coal seam gas reverse osmosis brine for clean water extraction and NaOH production. <i>Desalination</i> , 2016, 397, 108-115.	4.0	42
59	Membrane scaling and prevention techniques during seawater desalination by air gap membrane distillation. <i>Desalination</i> , 2016, 397, 92-100.	4.0	68
60	Metal-Organic Framework-Coated Optical Fibers as Light-Triggered Drug Delivery Vehicles. <i>Advanced Functional Materials</i> , 2016, 26, 3244-3249.	7.8	88
61	UiO-66 MOF end-face-coated optical fiber in aqueous contaminant detection. <i>Optics Letters</i> , 2016, 41, 1696.	1.7	33
62	Whey Processing: Overview and Role of Membranes. , 2016, , 2021-2024.		2
63	A new integrated potable reuse process for a small remote community in Antarctica. <i>Chemical Engineering Research and Design</i> , 2016, 104, 196-208.	2.7	15
64	Towards Enhanced Performance Thin-film Composite Membranes via Surface Plasma Modification. <i>Scientific Reports</i> , 2016, 6, 29206.	1.6	50
65	Mixed Matrix Carbon Molecular Sieve and Alumina (CMS-Al ₂ O ₃) Membranes. <i>Scientific Reports</i> , 2016, 6, 30703.	1.6	30
66	Pervaporation of ammonia solution with γ -alumina supported organosilica membranes. <i>Separation and Purification Technology</i> , 2016, 168, 141-151.	3.9	20
67	Nanofiltration and nanodiafiltration of acid whey as a function of pH and temperature. <i>Separation and Purification Technology</i> , 2016, 160, 18-27.	3.9	65
68	Assessment of pressure decay test for RO protozoa removal validation in remote operations. <i>Desalination</i> , 2016, 386, 19-24.	4.0	15
69	Pilot trial of membrane distillation driven by low grade waste heat: Membrane fouling and energy assessment. <i>Desalination</i> , 2016, 391, 30-42.	4.0	185
70	Influence of pre-treatment combinations on RO membrane fouling. <i>Desalination</i> , 2016, 393, 120-126.	4.0	50
71	Structural effects on SAPO-34 and ZIF-8 materials exposed to seawater solutions, and their potential as desalination membranes. <i>Desalination</i> , 2016, 377, 128-137.	4.0	62
72	Whey Ultrafiltration. , 2016, , 2035-2036.		0

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73	Fouling mechanisms and reduced chemical potential of ceramic membranes combined with ozone. <i>Water Practice and Technology</i> , 2015, 10, 806-813.	1.0	9
74	Changes in glucose fermentation pathways by an enriched bacterial culture in response to regulated dissolved H ₂ concentrations. <i>Biotechnology and Bioengineering</i> , 2015, 112, 1177-1186.	1.7	7
75	Properties of acid whey as a function of pH and temperature. <i>Journal of Dairy Science</i> , 2015, 98, 4352-4363.	1.4	88
76	Impact of casting conditions on PVDF/nanoclay nanocomposite membrane properties. <i>Chemical Engineering Journal</i> , 2015, 267, 73-85.	6.6	22
77	Growth of nano-textured graphene coatings across highly porous stainless steel supports towards corrosion resistant coatings. <i>Carbon</i> , 2015, 87, 395-408.	5.4	65
78	Scaling control during membrane distillation of coal seam gas reverse osmosis brine. <i>Journal of Membrane Science</i> , 2015, 493, 673-682.	4.1	93
79	Forward for the Special Issue: Desalination for agriculture. <i>Desalination</i> , 2015, 364, 1.	4.0	5
80	Scale reduction and cleaning techniques during direct contact membrane distillation of seawater reverse osmosis brine. <i>Desalination</i> , 2015, 374, 20-30.	4.0	75
81	Amine Enrichment of Thin-Film Composite Membranes via Low Pressure Plasma Polymerization for Antimicrobial Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14644-14653.	4.0	45
82	Treatment of RO brine from CSG produced water by spiral-wound air gap membrane distillation – A pilot study. <i>Desalination</i> , 2015, 366, 121-129.	4.0	192
83	Towards integrated anti-microbial capabilities: Novel bio-fouling resistant membranes by high velocity embedment of silver particles. <i>Journal of Membrane Science</i> , 2015, 475, 552-561.	4.1	41
84	Application of robust MFI-type zeolite membrane for desalination of saline wastewater. <i>Journal of Membrane Science</i> , 2015, 475, 167-174.	4.1	72
85	Fabrication of Meso-Porous Sintered Metal Thin Films by Selective Etching of Silica Based Sacrificial Template. <i>Nanomaterials</i> , 2014, 4, 686-699.	1.9	6
86	Nanocomposites for Improved Physical Durability of Porous PVDF Membranes. <i>Membranes</i> , 2014, 4, 55-78.	1.4	36
87	UV/TiO ₂ photocatalytic oxidation of recalcitrant organic matter: effect of salinity and pH. <i>Water Science and Technology</i> , 2014, 70, 437-443.	1.2	20
88	A Pervaporation Study of Ammonia Solutions Using Molecular Sieve Silica Membranes. <i>Membranes</i> , 2014, 4, 40-54.	1.4	42
89	Selective sensing of alcohols in water influenced by chemically Zeolite coatings on optical fiber sensors. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
90	Enhanced abrasion resistant PVDF/nanoclay hollow fibre composite membranes for water treatment. <i>Journal of Membrane Science</i> , 2014, 449, 146-157.	4.1	70

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91	Preparation and characterization of poly(vinylidene fluoride)/nanoclay nanocomposite flat sheet membranes for abrasion resistance. <i>Water Research</i> , 2014, 57, 56-66.	5.3	76
92	Desalination of seawater ion complexes by MFI-type zeolite membranes: Temperature and long term stability. <i>Journal of Membrane Science</i> , 2014, 453, 126-135.	4.1	88
93	Recovery of water and acid from leach solutions using direct contact membrane distillation. <i>Water Science and Technology</i> , 2014, 69, 868-875.	1.2	33
94	Qualitative spectroscopic characterization of the matrix-silane coupling agent interface across metal fibre reinforced ion exchange resin composite membranes. <i>Vibrational Spectroscopy</i> , 2014, 75, 203-212.	1.2	8
95	Single step preparation of meso-porous and reduced graphene oxide by gamma-ray irradiation in gaseous phase. <i>Carbon</i> , 2014, 70, 313-318.	5.4	59
96	Performance assessment of membrane distillation for skim milk and whey processing. <i>Journal of Dairy Science</i> , 2014, 97, 56-71.	1.4	76
97	Effect of addition of two-dimensional ZIF-L nanoflakes on the properties of polyethersulfone ultrafiltration membrane. <i>Journal of Membrane Science</i> , 2014, 460, 9-17.	4.1	92
98	The role of membrane surface energy on direct contact membrane distillation performance. <i>Desalination</i> , 2013, 323, 22-30.	4.0	58
99	Fouling mechanisms of dairy streams during membrane distillation. <i>Journal of Membrane Science</i> , 2013, 441, 102-111.	4.1	62
100	Small angle X-ray scattering study of carbon nanotube forests densified into long range patterns by controlled solvent evaporation. <i>Journal of Colloid and Interface Science</i> , 2013, 407, 556-560.	5.0	12
101	Recovery of sulphuric acid from waste and process solutions using solvent extraction. <i>Hydrometallurgy</i> , 2013, 138, 14-20.	1.8	45
102	Production and characterisation of UF membranes by chemical conversion of used RO membranes. <i>Journal of Membrane Science</i> , 2013, 447, 203-211.	4.1	60
103	Seeded growth of ZIF-8 on the surface of carbon nanotubes towards self-supporting gas separation membranes. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9208.	5.2	83
104	The fabrication and surface functionalization of porous metal frameworks – a review. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15185.	5.2	56
105	In-Situ Crystallization Route to Nanorod-Aggregated Functional ZSM-5 Microspheres. <i>Journal of the American Chemical Society</i> , 2013, 135, 1181-1184.	6.6	84
106	Fabrication of thin film composite poly(amide)-carbon-nanotube supported membranes for enhanced performance in osmotically driven desalination systems. <i>Journal of Membrane Science</i> , 2013, 427, 422-430.	4.1	81
107	Advances in ceramic membrane technology create recycling opportunities in Australia. <i>Membrane Technology</i> , 2013, 2013, 8.	0.5	0
108	Characterization of carbon nanotube webs and yarns with small angle X-ray scattering: Revealing the yarn twist and inter-nanotube interactions and alignment. <i>Carbon</i> , 2013, 63, 562-566.	5.4	31

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109	Designing hierarchical porous features of ZSM-5 zeolites via Si/Al ratio and their dynamic behavior in seawater ion complexes. <i>Microporous and Mesoporous Materials</i> , 2013, 173, 78-85.	2.2	23
110	Fouling of dairy components on hydrophobic polytetrafluoroethylene (PTFE) membranes for membrane distillation. <i>Journal of Membrane Science</i> , 2013, 442, 149-159.	4.1	93
111	Recent progress in polycrystalline zeolite membrane research. <i>Current Opinion in Chemical Engineering</i> , 2013, 2, 209-216.	3.8	109
112	Influence of module design and membrane compressibility on VMD performance. <i>Journal of Membrane Science</i> , 2013, 442, 31-38.	4.1	15
113	Advances in Membrane Distillation for Water Desalination and Purification Applications. <i>Water (Switzerland)</i> , 2013, 5, 94-196.	1.2	601
114	Modelling of vacuum membrane distillation. <i>Journal of Membrane Science</i> , 2013, 434, 1-9.	4.1	69
115	Economic analysis of desalination technologies in the context of carbon pricing, and opportunities for membrane distillation. <i>Desalination</i> , 2013, 323, 66-74.	4.0	191
116	A high volume and low damage route to hydroxyl functionalization of carbon nanotubes using hard X-ray lithography. <i>Carbon</i> , 2013, 51, 430-434.	5.4	15
117	Destruction of Organics in Water via Iron Nanoparticles. , 2013, , 7-32.		0
118	Temperature and Pressure Effects of Desalination Using a MFI-Type Zeolite Membrane. <i>Membranes</i> , 2013, 3, 155-168.	1.4	37
119	Influence of the Sonication Temperature on the Debundling Kinetics of Carbon Nanotubes in Propan-2-ol. <i>Nanomaterials</i> , 2013, 3, 70-85.	1.9	36
120	Industrial waste heat powers desalination. <i>Membrane Technology</i> , 2012, 2012, 9.	0.5	1
121	Integration of membrane distillation into heat paths of industrial processes. <i>Chemical Engineering Journal</i> , 2012, 211-212, 378-387.	6.6	48
122	In situ small angle X-ray scattering investigation of the thermal expansion and related structural information of carbon nanotube composites. <i>Progress in Natural Science: Materials International</i> , 2012, 22, 673-683.	1.8	11
123	Towards new opportunities for reuse, recycling and disposal of used reverse osmosis membranes. <i>Desalination</i> , 2012, 299, 103-112.	4.0	106
124	Activation of gold decorated carbon nanotube hybrids for targeted gas adsorption and enhanced catalytic oxidation. <i>Journal of Materials Chemistry</i> , 2012, 22, 9374.	6.7	30
125	MFI-type zeolite functional liquid phase sensor coated on the optical fiber end-face. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
126	Improving cell yield and lactic acid production of <i>Lactococcus lactis</i> ssp. <i>cremoris</i> by a novel submerged membrane fermentation process. <i>Journal of Membrane Science</i> , 2012, 403-404, 179-187.	4.1	33

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127	Combined TiO ₂ membrane filtration and ozonation for efficient water treatment to enhance the reuse of wastewater. <i>Desalination and Water Treatment</i> , 2011, 34, 57-62.	1.0	14
128	Investigation of the dispersion of nanoclays into PVDF for enhancement of physical membrane properties. <i>Desalination and Water Treatment</i> , 2011, 34, 251-256.	1.0	19
129	Seawater Use and Desalination Technology. , 2011, , 73-109.		14
130	Direct Contact Membrane Distillation of Dairy Process Streams. <i>Membranes</i> , 2011, 1, 48-58.	1.4	45
131	Control of Porosity and Pore Size of Metal Reinforced Carbon Nanotube Membranes. <i>Membranes</i> , 2011, 1, 25-36.	1.4	42
132	Xylene Separation Performance of Composition-Gradient MFI Zeolite Membranes. <i>Membrane Science and Technology</i> , 2011, 14, 195-212.	0.5	2
133	The impact of hydrophobic coating on the performance of carbon nanotube bucky-paper membranes in membrane distillation. <i>Desalination</i> , 2011, 283, 64-67.	4.0	76
134	Dual function filtration and catalytic breakdown of organic pollutants in wastewater using ozonation with titania and alumina membranes. <i>Journal of Membrane Science</i> , 2011, 378, 61-72.	4.1	54
135	Enhanced durability and hydrophobicity of carbon nanotube bucky paper membranes in membrane distillation. <i>Journal of Membrane Science</i> , 2011, 376, 241-246.	4.1	124
136	A Preliminary Study on the Effect of Macro Cavities Formation on Properties of Carbon Nanotube Bucky-Paper Composites. <i>Materials</i> , 2011, 4, 553-561.	1.3	16
137	Membrane reactor modelling, validation and simulation for the WGS reaction using metal doped silica membranes. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2010, 5, 83-92.	0.8	19
138	Identification of material and physical features of membrane distillation membranes for high performance desalination. <i>Journal of Membrane Science</i> , 2010, 349, 295-303.	4.1	242
139	Assessment of postcombustion carbon capture technologies for power generation. <i>Frontiers of Chemical Engineering in China</i> , 2010, 4, 184-195.	0.6	48
140	Characterization and evaluation of carbon nanotube Bucky-Paper membranes for direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2010, 351, 36-43.	4.1	279
141	Experimental and theoretical investigation of diffusion processes in a membrane anaerobic reactor for bio-hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 5301-5311.	3.8	14
142	Performance of asymmetric hollow fibre membranes in membrane distillation under various configurations and vacuum enhancement. <i>Journal of Membrane Science</i> , 2010, 362, 517-528.	4.1	89
143	The influence of seawater ions on the structural features of MFI, FAU and LTA zeolites. , 2010, , .		2
144	Carbon nanotube based composite membranes for water desalination by membrane distillation. <i>Desalination and Water Treatment</i> , 2010, 17, 72-79.	1.0	60

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145	Effects of operating parameters on permeation flux for desalination of sodium chloride solution using air gap membrane distillation. <i>Desalination and Water Treatment</i> , 2010, 13, 362-368.	1.0	5
146	Recent Developments in Carbon Nanotube Membranes for Water Purification and Gas Separation. <i>Materials</i> , 2010, 3, 127-149.	1.3	232
147	Investigation of the effects of ion and water interaction on structure and chemistry of silicalite MFI type zeolite for its potential use as a seawater desalination membrane. <i>Journal of Materials Chemistry</i> , 2010, 20, 4675.	6.7	43
148	Characterization and Pervaporation Study on Ethanol Separation Membranes. <i>Drying Technology</i> , 2009, 27, 538-541.	1.7	7
149	Performance of cobalt silica membranes in gas mixture separation. <i>Journal of Membrane Science</i> , 2009, 329, 91-98.	4.1	72
150	Hydrothermal stability of cobalt silica membranes in a water gas shift membrane reactor. <i>Separation and Purification Technology</i> , 2009, 66, 299-305.	3.9	115
151	Seawater desalination performance of MFI type membranes made by secondary growth. <i>Separation and Purification Technology</i> , 2009, 68, 343-350.	3.9	145
152	Carbonised template silica membranes for desalination. <i>Desalination</i> , 2009, 236, 291-298.	4.0	76
153	Performance of new generation membrane distillation membranes. <i>Water Science and Technology: Water Supply</i> , 2009, 9, 501-508.	1.0	9
154	Metal doped silica membrane reactor: Operational effects of reaction and permeation for the water gas shift reaction. <i>Journal of Membrane Science</i> , 2008, 316, 46-52.	4.1	98
155	Exposing the Molecular Sieving Architecture of Amorphous Silica Using Positron Annihilation Spectroscopy. <i>Advanced Functional Materials</i> , 2008, 18, 3818-3826.	7.8	69
156	Lactic acid enrichment with inorganic nanofiltration and molecular sieving membranes by pervaporation. <i>Food and Bioproducts Processing</i> , 2008, 86, 290-295.	1.8	21
157	Silica membrane reactors for hydrogen processing. <i>Advances in Applied Ceramics</i> , 2007, 106, 29-34.	0.6	15
158	Energetics for gas separation in microporous membranes. <i>International Journal of Nanotechnology</i> , 2007, 4, 468.	0.1	3
159	Performance of porous inorganic membranes in non-osmotic desalination. <i>Water Research</i> , 2007, 41, 3998-4004.	5.3	103
160	Nafion/polyaniline/silica composite membranes for direct methanol fuel cell application. <i>Journal of Power Sources</i> , 2007, 166, 324-330.	4.0	115
161	Inorganic membranes for hydrogen production and purification: A critical review and perspective. <i>Journal of Colloid and Interface Science</i> , 2007, 314, 589-603.	5.0	522
162	Flowfields on feed and permeate sides of tubular molecular sieving silica (MSS) membranes. <i>Journal of Membrane Science</i> , 2007, 299, 229-235.	4.1	41

#	ARTICLE	IF	CITATIONS
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