

Stephen R Gray

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6581803/publications.pdf>

Version: 2024-02-01

202
papers

10,793
citations

34493

54
h-index

42259

96
g-index

208
all docs

208
docs citations

208
times ranked

9894
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of MOF incorporated dual layer membrane with enhanced removal of ammonia and per/poly-fluoroalkyl substances (PFAS) in landfill leachate treatment. <i>Science of the Total Environment</i> , 2022, 806, 151207.	3.9	29
2	Root cause analysis for membrane system validation failure at a full-scale recycled water treatment plant. <i>Desalination</i> , 2022, 523, 115405.	4.0	13
3	Transport phenomena in membrane distillation processes. , 2022, , 111-128.		0
4	Treatment of oily wastewaters by highly porous whisker-constructed ceramic membranes: Separation performance and fouling models. <i>Water Research</i> , 2022, 211, 118042.	5.3	47
5	Remediation of poly-and perfluoroalkyl substances (PFAS) contaminated soil using gas fractionation enhanced technology. <i>Science of the Total Environment</i> , 2022, 827, 154310.	3.9	19
6	Cost and efficiency perspectives of ceramic membranes for water treatment. <i>Water Research</i> , 2022, 220, 118629.	5.3	96
7	In-situ construction of superhydrophobic PVDF membrane via NaCl-H ₂ O induced polymer incipient gelation for membrane distillation. <i>Separation and Purification Technology</i> , 2021, 274, 117762.	3.9	7
8	Rejection of harsh pH saline solutions using graphene membranes. <i>Carbon</i> , 2021, 171, 240-247.	5.4	9
9	A Mini Review on Antiwetting Studies in Membrane Distillation for Textile Wastewater Treatment Processes, 2021, 9, 243.	1.3	15
10	Substrate-Independent, Regenerable Anti-Biofouling Coating for Polymeric Membranes. <i>Membranes</i> , 2021, 11, 205.	1.4	2
11	Performance modelling of direct contact membrane distillation using a hydrophobic/hydrophilic dual-layer membrane. <i>Journal of Water Reuse and Desalination</i> , 2021, 11, 490-507.	1.2	2
12	Algae-Based Approach for Desalination: An Emerging Energy-Passive and Environmentally Friendly Desalination Technology. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8663-8678.	3.2	23
13	PFAS removal from wastewater by in-situ formed ferric nanoparticles: Solid phase loading and removal efficiency. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105452.	3.3	15
14	A review of process and wastewater reuse in the recycled paper industry. <i>Environmental Technology and Innovation</i> , 2021, 24, 101860.	3.0	29
15	Dual-layer membranes with a thin film hydrophilic MOF/PVA nanocomposite for enhanced antiwetting property in membrane distillation. <i>Desalination</i> , 2021, 518, 115268.	4.0	29
16	Selection of surrogate pathogens and process indicator organisms for pasteurisation of municipal wastewaterâ€™A survey of literature data on heat inactivation of pathogens. <i>Chemical Engineering Research and Design</i> , 2020, 133, 301-314.	2.7	22
17	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
18	Ultrathin poly (vinyl alcohol)/MXene nanofilm composite membrane with facile intrusion-free construction for pervaporative separations. <i>Journal of Membrane Science</i> , 2020, 614, 118490.	4.1	27

#	ARTICLE	IF	CITATIONS
19	Functionalized Carbon Nanotube-Mediated Transport in Membranes Containing Fixed-Site Carriers for Fast Pervaporation Desalination. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50918-50928.	4.0	13
20	Achievements in membrane distillation processes for wastewater and water treatment. , 2020, , 221-238.		1
21	Effectiveness and Energy Requirements of Pasteurisation for the Treatment of Unfiltered Secondary Effluent from a Municipal Wastewater Treatment Plant. <i>Water (Switzerland)</i> , 2020, 12, 2100.	1.2	1
22	Dimensional Nanofillers in Mixed Matrix Membranes for Pervaporation Separations: A Review. <i>Membranes</i> , 2020, 10, 193.	1.4	21
23	Emerging investigator series: engineering membrane distillation with nanofabrication: design, performance and mechanisms. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1786-1793.	1.2	7
24	Direct contact membrane distillation for effective concentration of perfluoroalkyl substances – Impact of surface fouling and material stability. <i>Water Research</i> , 2020, 182, 116010.	5.3	32
25	Fabrication of high performance TFN membrane containing NH ₂ -SWCNTs via interfacial regulation. <i>RSC Advances</i> , 2020, 10, 25186-25199.	1.7	14
26	Understanding the transport enhancement of poly (vinyl alcohol) based hybrid membranes with dispersed nanochannels for pervaporation application. <i>Journal of Membrane Science</i> , 2020, 603, 118005.	4.1	22
27	Editorial: Journal relaunching as <i>Water Reuse</i> . <i>Journal of Water Reuse and Desalination</i> , 2020, 10, 267-267.	1.2	0
28	Functional Nanoporous Titanium Dioxide for Separation Applications: Synthesis Routes and Properties to Performance Analysis. , 2019, , 151-186.		1
29	Functionalizing graphene oxide framework membranes with sulfonic acid groups for superior aqueous mixture separation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19682-19690.	5.2	51
30	Modelling mass and heat transfers of Permeate Gap Membrane Distillation using hollow fibre membrane. <i>Desalination</i> , 2019, 467, 196-209.	4.0	36
31	Depletion of VOC in wastewater by vacuum membrane distillation using a dual-layer membrane: mechanism of mass transfer and selectivity. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 119-130.	1.2	13
32	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
33	A critical control point approach to the removal of chemicals of concern from water for reuse. <i>Water Research</i> , 2019, 160, 39-51.	5.3	8
34	Development of microporous substrates of polyamide thin film composite membranes for pressure-driven and osmotically-driven membrane processes: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 77, 25-59.	2.9	90
35	Sub-10-nm Mixed Titanium/Tantalum Oxide Nanoporous Films with Visible-Light Photocatalytic Activity for Water Treatment. <i>ACS Applied Nano Materials</i> , 2019, 2, 1951-1963.	2.4	9
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	Enhanced desalination performance of poly (vinyl alcohol)/carbon nanotube composite pervaporation membranes via interfacial engineering. <i>Journal of Membrane Science</i> , 2019, 579, 40-51.	4.1	85
39	Comparative study of PFAS treatment by UV, UV/ozone, and fractionations with air and ozonated air. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1897-1907.	1.2	37
40	Influence of PGMD module design on the water productivity and energy efficiency in desalination. <i>Desalination</i> , 2019, 452, 29-39.	4.0	33
41	Understanding the chlorination mechanism and the chlorine-induced separation performance evolution of polypiperazine-amide nanofiltration membrane. <i>Journal of Membrane Science</i> , 2019, 573, 36-45.	4.1	41
42	Effect of Hybrid Photocatalysis and Ceramic Membrane Filtration Process for Humic Acid Degradation. , 2019, , 95-113.		0
43	Seeing is believing: Insights from synchrotron infrared mapping for membrane fouling in osmotic membrane bioreactors. <i>Water Research</i> , 2018, 137, 355-361.	5.3	31
44	Anti-fouling graphene-based membranes for effective water desalination. <i>Nature Communications</i> , 2018, 9, 683.	5.8	197
45	Trace organic contaminant rejection by aquaporin forward osmosis membrane: Transport mechanisms and membrane stability. <i>Water Research</i> , 2018, 132, 90-98.	5.3	76
46	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
47	Diffusion behaviour of multivalent ions at low pH through a MFI-type zeolite membrane. <i>Desalination</i> , 2018, 440, 88-98.	4.0	16
48	Antimicrobial effects of pulsed electromagnetic fields from commercially available water treatment devices – controlled studies under static and flow conditions. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 871-877.	1.6	12
49	Comparison of colloidal silica involved fouling behavior in three membrane distillation configurations using PTFE membrane. <i>Water Research</i> , 2018, 130, 343-352.	5.3	37
50	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
51	Water quality risk management strategies for remote operations. <i>Water Science and Technology: Water Supply</i> , 2018, 18, 482-489.	1.0	1
52	Short Review on Porous Metal Membranes – Fabrication, Commercial Products, and Applications. <i>Membranes</i> , 2018, 8, 83.	1.4	39
53	Study of Hybrid PVA/MA/TEOS Pervaporation Membrane and Evaluation of Energy Requirement for Desalination by Pervaporation. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1913.	1.2	25
54	Current and Emerging Techniques for High-Pressure Membrane Integrity Testing. <i>Membranes</i> , 2018, 8, 60.	1.4	25

#	ARTICLE	IF	CITATIONS
55	Investigation and modelling of high rate algal ponds utilising secondary effluent at Western Water, Bacchus Marsh Recycled Water Plant. <i>Water Science and Technology</i> , 2018, 78, 20-30.	1.2	0
56	Antiwettability and Performance Stability of a Composite Hydrophobic/Hydrophilic Dual-Layer Membrane in Wastewater Treatment by Membrane Distillation. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 9313-9322.	1.8	33
57	Wastewater recycling in Antarctica: Performance assessment of an advanced water treatment plant in removing trace organic chemicals. <i>Journal of Environmental Management</i> , 2018, 224, 122-129.	3.8	21
58	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
59	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
60	Downscaling of climate model output for Alaskan stakeholders. <i>Environmental Modelling and Software</i> , 2018, 110, 38-51.	1.9	49
61	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
62	Synchrotron Fourier transform infrared mapping: A novel approach for membrane fouling characterization. <i>Water Research</i> , 2017, 111, 375-381.	5.3	19
63	A structural basis for the amphiphilic character of alginates – Implications for membrane fouling. <i>Carbohydrate Polymers</i> , 2017, 164, 162-169.	5.1	26
64	The influence of electromagnetic fields from two commercially available water-treatment devices on calcium carbonate precipitation. <i>Environmental Science: Water Research and Technology</i> , 2017, 3, 566-572.	1.2	18
65	Silica fouling in coal seam gas water reverse osmosis desalination. <i>Environmental Science: Water Research and Technology</i> , 2017, 3, 911-921.	1.2	8
66	The application of electromagnetic fields to the control of the scaling and biofouling of reverse osmosis membranes - A review. <i>Desalination</i> , 2017, 418, 19-34.	4.0	79
67	Role of membrane fouling substances on the rejection of N-nitrosamines by reverse osmosis. <i>Water Research</i> , 2017, 118, 187-195.	5.3	19
68	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
69	Impact of ozonation and biological activated carbon filtration on ceramic membrane fouling. <i>Water Research</i> , 2017, 126, 308-318.	5.3	42
70	Surface pattern by nanoimprint for membrane fouling mitigation: Design, performance and mechanisms. <i>Water Research</i> , 2017, 124, 238-243.	5.3	68
71	Experimental study of hollow fiber permeate gap membrane distillation and its performance comparison with DCMD and SGMD. <i>Separation and Purification Technology</i> , 2017, 188, 11-23.	3.9	47
72	Silica scaling in forward osmosis: From solution to membrane interface. <i>Water Research</i> , 2017, 108, 232-239.	5.3	50

#	ARTICLE	IF	CITATIONS
73	Outcomes of Patients Who Undergo Cardiac Surgical Procedures After Liver Transplantation. <i>Annals of Thoracic Surgery</i> , 2017, 103, 541-545.	0.7	6
74	Synergistic effect of combined colloidal and organic fouling in membrane distillation: Measurements and mechanisms. <i>Environmental Science: Water Research and Technology</i> , 2017, 3, 119-127.	1.2	37
75	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
76	Effect of solution composition on seeded precipitation of calcium for high recovery RO of magnesium-bearing wastewater, surface water or groundwater. <i>Separation and Purification Technology</i> , 2017, 172, 433-441.	3.9	12
77	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
78	Molecular simulations of polyamide membrane materials used in desalination and water reuse applications: Recent developments and future prospects. <i>Journal of Membrane Science</i> , 2017, 524, 436-448.	4.1	103
79	Performance of Hybrid Photocatalytic-Ceramic Membrane System for the Treatment of Secondary Effluent. <i>Membranes</i> , 2017, 7, 20.	1.4	6
80	Small Scale Direct Potable Reuse (DPR) Project for a Remote Area. <i>Water (Switzerland)</i> , 2017, 9, 94.	1.2	9
81	Editorial: Journal of Water Reuse and Desalination moves to Open Access. <i>Journal of Water Reuse and Desalination</i> , 2016, 6, 465-465.	1.2	0
82	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
83	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
84	Membrane scaling and prevention techniques during seawater desalination by air gap membrane distillation. <i>Desalination</i> , 2016, 397, 92-100.	4.0	68
85	Spacer-induced forward osmosis membrane integrity loss during gypsum scaling. <i>Desalination</i> , 2016, 392, 85-90.	4.0	26
86	Transport and accumulation of organic matter in forward osmosis-reverse osmosis hybrid system: Mechanism and implications. <i>Separation and Purification Technology</i> , 2016, 167, 6-16.	3.9	12
87	The effect of electromagnetic fields, from two commercially available water treatment devices, on bacterial culturability. <i>Water Science and Technology</i> , 2016, 73, 1371-1377.	1.2	9
88	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
89	Silica fouling in high salinity waters in reverse osmosis desalination (sodium-silica system). <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 539-548.	1.2	10
90	Gypsum scaling in forward osmosis: Role of membrane surface chemistry. <i>Journal of Membrane Science</i> , 2016, 513, 250-259.	4.1	78

#	ARTICLE	IF	CITATIONS
91	Nanofiltration and nanodiafiltration of acid whey as a function of pH and temperature. Separation and Purification Technology, 2016, 160, 18-27.	3.9	65
92	Assessment of pressure decay test for RO protozoa removal validation in remote operations. Desalination, 2016, 386, 19-24.	4.0	15
93	Pilot trial of membrane distillation driven by low grade waste heat: Membrane fouling and energy assessment. Desalination, 2016, 391, 30-42.	4.0	185
94	A practical approach to synthesize polyamide thin film nanocomposite (TFN) membranes with improved separation properties for water/wastewater treatment. Journal of Materials Chemistry A, 2016, 4, 4134-4144.	5.2	111
95	Influence of pre-treatment combinations on RO membrane fouling. Desalination, 2016, 393, 120-126.	4.0	50
96	Silica scale formation and effect of sodium and aluminium ions - ²⁹ Si NMR study. Environmental Science: Water Research and Technology, 2016, 2, 174-185.	1.2	17
97	Mass balance for a novel RO/FO hybrid system in seawater desalination. Journal of Membrane Science, 2016, 501, 199-208.	4.1	20
98	Membrane-based processes for wastewater nutrient recovery: Technology, challenges, and future direction. Water Research, 2016, 89, 210-221.	5.3	405
99	Fouling mechanisms and reduced chemical potential of ceramic membranes combined with ozone. Water Practice and Technology, 2015, 10, 806-813.	1.0	9
100	Properties of acid whey as a function of pH and temperature. Journal of Dairy Science, 2015, 98, 4352-4363.	1.4	88
101	Solar energy assisted direct contact membrane distillation (DCMD) process for seawater desalination. Separation and Purification Technology, 2015, 143, 94-104.	3.9	106
102	Impact of water management practice scenarios on wastewater flow and contaminant concentration. Journal of Environmental Management, 2015, 151, 461-471.	3.8	31
103	Impact of casting conditions on PVDF/nanoclay nanocomposite membrane properties. Chemical Engineering Journal, 2015, 267, 73-85.	6.6	22
104	Growth of nano-textured graphene coatings across highly porous stainless steel supports towards corrosion resistant coatings. Carbon, 2015, 87, 395-408.	5.4	65
105	Scaling control during membrane distillation of coal seam gas reverse osmosis brine. Journal of Membrane Science, 2015, 493, 673-682.	4.1	93
106	Scale reduction and cleaning techniques during direct contact membrane distillation of seawater reverse osmosis brine. Desalination, 2015, 374, 20-30.	4.0	75
107	Properties of beta-lactoglobulin/alginate mixtures as a function of component ratio, pH and applied shear. Food Research International, 2015, 71, 23-31.	2.9	19
108	Membrane evaporation of amine solution for energy saving in post-combustion carbon capture: Wetting and condensation. Separation and Purification Technology, 2015, 146, 60-67.	3.9	35

#	ARTICLE	IF	CITATIONS
109	A review on polyamide thin film nanocomposite (TFN) membranes: History, applications, challenges and approaches. <i>Water Research</i> , 2015, 80, 306-324.	5.3	587
110	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
111	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
112	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
113	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
114	Nanocomposites for Improved Physical Durability of Porous PVDF Membranes. <i>Membranes</i> , 2014, 4, 55-78.	1.4	36
115	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
116	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
117	Silica scale mitigation for high recovery reverse osmosis of groundwater for a mining process. <i>Desalination</i> , 2014, 340, 49-58.	4.0	42
118	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
119	Effect of heat treatment on pervaporation separation of aqueous salt solution using hybrid PVA/MA/TEOS membrane. <i>Separation and Purification Technology</i> , 2014, 127, 10-17.	3.9	54
120	Experimental and computational investigations of the interactions between model organic compounds and subsequent membrane fouling. <i>Water Research</i> , 2014, 48, 108-118.	5.3	98
121	Exploring the molecular basis for the metal-mediated assembly of alginate gels. <i>Carbohydrate Polymers</i> , 2014, 102, 246-253.	5.1	43
122	Membrane fouling mechanism transition in relation to feed water composition. <i>Journal of Membrane Science</i> , 2014, 471, 265-273.	4.1	16
123	Chemistry of silica scale mitigation for RO desalination with particular reference to remote operations. <i>Water Research</i> , 2014, 65, 107-133.	5.3	127
124	The role of poly-M and poly-GM sequences in the metal-mediated assembly of alginate gels. <i>Carbohydrate Polymers</i> , 2014, 112, 486-493.	5.1	31
125	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
126	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

#	ARTICLE	IF	CITATIONS
127	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
128	The role of membrane surface energy on direct contact membrane distillation performance. <i>Desalination</i> , 2013, 323, 22-30.	4.0	58
129	Fouling mechanisms of dairy streams during membrane distillation. <i>Journal of Membrane Science</i> , 2013, 441, 102-111.	4.1	62
130	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
131	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
132	The fabrication and surface functionalization of porous metal frameworks – a review. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15185.	5.2	56
133	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
134	Effect of IX dosing on polypropylene and PVDF membrane fouling control. <i>Water Research</i> , 2013, 47, 3827-3834.	5.3	16
135	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
136	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
137	Pathogen reduction requirements for direct potable reuse in Antarctica: Evaluating human health risks in small communities. <i>Science of the Total Environment</i> , 2013, 461-462, 723-733.	3.9	47
138	Influence of module design and membrane compressibility on VMD performance. <i>Journal of Membrane Science</i> , 2013, 442, 31-38.	4.1	15
139	Advances in Membrane Distillation for Water Desalination and Purification Applications. <i>Water (Switzerland)</i> , 2013, 5, 94-196.	1.2	601
140	Modelling of vacuum membrane distillation. <i>Journal of Membrane Science</i> , 2013, 434, 1-9.	4.1	69
141	Predicting the influence of operating conditions on DCMD flux and thermal efficiency for incompressible and compressible membrane systems. <i>Desalination</i> , 2013, 323, 142-149.	4.0	30
142	Modeling of air-gap membrane distillation process: A theoretical and experimental study. <i>Journal of Membrane Science</i> , 2013, 445, 53-65.	4.1	158
143	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
144	Temperature and Pressure Effects of Desalination Using a MFI-Type Zeolite Membrane. <i>Membranes</i> , 2013, 3, 155-168.	1.4	37

#	ARTICLE	IF	CITATIONS
145	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
146	Impact of water source management practices in residential areas on sewer networks – a review. <i>Water Science and Technology</i> , 2012, 65, 624-642.	1.2	43
147	Characterisation of organic matter in IX and PACl treated wastewater in relation to the fouling of a hydrophobic polypropylene membrane. <i>Water Research</i> , 2012, 46, 5151-5164.	5.3	29
148	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
149	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
150	Effectiveness of desalination powered by a tracking solar array to treat saline bore water. <i>Desalination</i> , 2012, 293, 94-103.	4.0	14
151	Enhancement of reverse osmosis water recovery using interstage calcium precipitation. <i>Desalination</i> , 2012, 295, 43-52.	4.0	36
152	Modelling heat and mass transfers in DCMD using compressible membranes. <i>Journal of Membrane Science</i> , 2012, 387-388, 7-16.	4.1	83
153	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
154	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
155	Seawater Use and Desalination Technology. , 2011, , 73-109.		14
156	Researching and modelling the dependence of MD flux on membrane dimension for scale-up purpose. <i>Desalination and Water Treatment</i> , 2011, 31, 144-150.	1.0	5
157	Control of Porosity and Pore Size of Metal Reinforced Carbon Nanotube Membranes. <i>Membranes</i> , 2011, 1, 25-36.	1.4	42
158	Sol-gel derived poly(vinyl alcohol)/maleic acid/silica hybrid membrane for desalination by pervaporation. <i>Journal of Membrane Science</i> , 2011, 383, 96-103.	4.1	122
159	Scale formation and control in high pressure membrane water treatment systems: A review. <i>Journal of Membrane Science</i> , 2011, 383, 1-16.	4.1	519
160	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
161	Degradation of polyamide reverse osmosis membranes in the presence of chloramine. <i>Desalination</i> , 2011, 283, 58-63.	4.0	44
162	Synthesis and characterization of hybrid organic-inorganic materials based on sulphonated polyamideimide and silica. <i>Journal of Polymer Research</i> , 2011, 18, 965-973.	1.2	10

#	ARTICLE	IF	CITATIONS
163	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
164	Effect of applied pressure on performance of PTFE membrane in DCMD. <i>Journal of Membrane Science</i> , 2011, 369, 514-525.	4.1	79
165	Separation of aqueous salt solution by pervaporation through hybrid organic-inorganic membrane: Effect of operating conditions. <i>Desalination</i> , 2011, 273, 220-225.	4.0	100
166	Direct contact membrane distillation (DCMD): Experimental study on the commercial PTFE membrane and modeling. <i>Journal of Membrane Science</i> , 2011, 371, 90-98.	4.1	192
167	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
168	Non-isothermal depolymerisation kinetics of poly(ethylene oxide). <i>Polymer Degradation and Stability</i> , 2011, 96, 1497-1502.	2.7	5
169	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
170	The significance of interactions between organic compounds on low pressure membrane fouling. <i>Water Science and Technology</i> , 2011, 64, 632-639.	1.2	24
171	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
172	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
173	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
174	Carbon nanotube based composite membranes for water desalination by membrane distillation. <i>Desalination and Water Treatment</i> , 2010, 17, 72-79.	1.0	60
175	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
176	Recent Developments in Carbon Nanotube Membranes for Water Purification and Gas Separation. <i>Materials</i> , 2010, 3, 127-149.	1.3	232
177	Effects of operational parameters on the removal efficiency of non-ionic surfactant by electroflotation. <i>Desalination and Water Treatment</i> , 2010, 13, 213-216.	1.0	8
178	Performance of new generation membrane distillation membranes. <i>Water Science and Technology: Water Supply</i> , 2009, 9, 501-508.	1.0	9
179	Diagnostic analysis of RO desalting treated wastewater. <i>Desalination</i> , 2008, 230, 239-247.	4.0	26
180	Effect of membrane character and solution chemistry on microfiltration performance. <i>Water Research</i> , 2008, 42, 743-753.	5.3	43

#	ARTICLE	IF	CITATIONS
181	Accelerated seeded precipitation pre-treatment of municipal wastewater to reduce scaling. <i>Chemosphere</i> , 2008, 72, 243-249.	4.2	26
182	Assessing integrated water management options for urban developments – Canberra case study. <i>Urban Water Journal</i> , 2008, 5, 147-159.	1.0	46
183	An autopsy study of a fouled reverse osmosis membrane element used in a brackish water treatment plant. <i>Water Research</i> , 2007, 41, 3915-3923.	5.3	156
184	Effect of NOM characteristics and membrane type on microfiltration performance. <i>Water Research</i> , 2007, 41, 3833-3841.	5.3	75
185	Ultrasound enhancement of microfiltration performance for natural organic matter removal. <i>Organic Geochemistry</i> , 2007, 38, 1091-1096.	0.9	12
186	High floc strength with aged polyelectrolytes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 298, 262-266.	2.3	1
187	Effect of organic polyelectrolyte characteristics on floc strength. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 273, 184-188.	2.3	24
188	Polysilicato-iron for improved NOM removal and membrane performance. <i>Journal of Membrane Science</i> , 2006, 280, 560-571.	4.1	44
189	NOM removal for extension of chlorine dioxide residuals and lower biological regrowth potentials. <i>Water Science and Technology: Water Supply</i> , 2004, 4, 251-254.	1.0	0
190	Assessing innovative urban water servicing options for a greenfield development site in Brisbane. <i>Australian Journal of Water Resources</i> , 2003, 7, 139-154.	1.6	2
191	Wastewater services for small communities. <i>Water Science and Technology</i> , 2003, 47, 65-71.	1.2	8
192	Evaluating integrated urban water systems alternatives for Brisbane, Australia. <i>Water Science and Technology</i> , 2003, 47, 1-9.	1.2	3
193	Contaminant flows in urban residential water systems. <i>Urban Water</i> , 2002, 4, 331-346.	0.5	69
194	Sustainable urban water - analysis of the opportunities. <i>Water Science and Technology: Water Supply</i> , 2001, 1, 209-216.	1.0	1
195	The fouling of microfiltration membranes by NOM after coagulation treatment. <i>Water Research</i> , 2000, 34, 2861-2868.	5.3	341
196	Effect of polyelectrolyte charge density and molecular weight on the flotation of oil in water emulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1997, 126, 85-95.	2.3	18
197	Solubility of wool wax in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 1997, 10, 105-111.	1.6	17
198	The use of soluble organic polymers in waste treatment. <i>Water Science and Technology</i> , 1996, 34, 117.	1.2	39

#	ARTICLE	IF	CITATIONS
199	Supercritical Carbon Dioxide Extraction of Wool Wax from Wool Scour Sludges. Environmental Technology (United Kingdom), 1996, 17, 1131-1138.	1.2	2
200	Fine mineral recovery with hydrophobic magnetite. International Journal of Mineral Processing, 1994, 41, 183-200.	2.6	13
201	A hybrid photocatalysis and ceramic membrane filtration process for humic acid degradation: Effect of pore size and transmembrane pressure. , 0, 69, 102-108.		4
202	Chlorination of oxybenzone and prediction of transformation products using non-equilibrium forced molecular dynamics. , 0, 114, 31-50.		4