

Nidal Hilal

List of Publications by Year in descending order

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365
papers

28,089
citations

5896

81
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6996

154
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370
all docs

370
docs citations

370
times ranked

18316
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrically conductive membranes for contemporaneous dye rejection and degradation. Chemical Engineering Journal, 2022, 428, 131184.	12.7	31
2	Titanium coating on ultrafiltration inorganic membranes for fouling control. Separation and Purification Technology, 2022, 282, 119997.	7.9	8
3	Nanocomposite nanofiltration membranes: State of play and recent advances. Desalination, 2022, 524, 115480.	8.2	48
4	Nanofiltration membrane processes for water recycling, reuse and product recovery within various industries: A review. Journal of Water Process Engineering, 2022, 45, 102478.	5.6	76
5	Electrospun membranes for membrane distillation: The state of play and recent advances. Desalination, 2022, 526, 115511.	8.2	39
6	Biomolecule-Enabled Liquid Separation Membranes: Potential and Recent Progress. Membranes, 2022, 12, 148.	3.0	7
7	Advances in Membrane Distillation Module Configurations. Membranes, 2022, 12, 81.	3.0	35
8	Lithium recovery from brine: Recent developments and challenges. Desalination, 2022, 528, 115611.	8.2	90
9	<sc>3D</sc> printed electrically conductive interdigitated spacer on ultrafiltration membrane for electrolytic cleaning and chlorination. Journal of Applied Polymer Science, 2022, 139, .	2.6	4
10	Intermittent direct joule heating of membrane surface for seawater desalination by air gap membrane distillation. Journal of Membrane Science, 2022, 648, 120390.	8.2	16
11	Natural and recycled materials for sustainable membrane modification: Recent trends and prospects. Science of the Total Environment, 2022, 838, 156014.	8.0	14
12	Can graphene and graphene oxide materials revolutionise desalination processes?. Desalination, 2021, 500, 114852.	8.2	27
13	Superhydrophilic and underwater superoleophobic nano zeolite membranes for efficient oil-in-water nanoemulsion separation. Journal of Water Process Engineering, 2021, 40, 101802.	5.6	20
14	Salinity gradient energy generation by pressure retarded osmosis: A review. Desalination, 2021, 500, 114841.	8.2	52
15	Basic principles of osmosis and osmotic pressure. , 2021, , 1-15.		3
16	Application of PRO process for seawater and wastewater treatment: assessment of membrane performance. , 2021, , 203-244.		0
17	Principles of forward osmosis. , 2021, , 131-148.		1
18	Membrane distillation process application using a novel ceramic membrane for Brackish water desalination. Desalination, 2021, 500, 114906.	8.2	25

#	ARTICLE	IF	CITATIONS
19	Green Approaches for Sustainable Development of Liquid Separation Membrane. Membranes, 2021, 11, 235.	3.0	20
20	The hybridization of thermally-driven desalination processes: The state-of-the-art and opportunities. Desalination, 2021, 506, 115002.	8.2	22
21	Electro-ceramic self-cleaning membranes for biofouling control and prevention in water treatment. Chemical Engineering Journal, 2021, 415, 128395.	12.7	31
22	Evaluating Fertilizer-Drawn Forward Osmosis Performance in Treating Anaerobic Palm Oil Mill Effluent. Membranes, 2021, 11, 566.	3.0	10
23	3D printed zeolite-Y for removing heavy metals from water. Journal of Water Process Engineering, 2021, 42, 102187.	5.6	11
24	A planned review on designing of high-performance nanocomposite nanofiltration membranes for pollutants removal from water. Journal of Industrial and Engineering Chemistry, 2021, 101, 78-125.	5.8	43
25	The emerging role of 3D printing in water desalination. Science of the Total Environment, 2021, 790, 148238.	8.0	28
26	Hierarchical underwater oleophobic electro-ceramic/carbon nanostructure membranes for highly efficient oil-in-water separation. Separation and Purification Technology, 2021, 275, 119241.	7.9	21
27	Current advances in membrane technologies for saline wastewater treatment: A comprehensive review. Desalination, 2021, 517, 115170.	8.2	91
28	Emerging desalination technologies: Current status, challenges and future trends. Desalination, 2021, 517, 115183.	8.2	133
29	Comprehensive review of membrane design and synthesis for membrane distillation. Desalination, 2021, 518, 115168.	8.2	68
30	Principle and theoretical background of pressure-retarded osmosis process. , 2021, , 187-202.		0
31	Surface Design of Liquid Separation Membrane through Graft Polymerization: A State of the Art Review. Membranes, 2021, 11, 832.	3.0	22
32	Breakthroughs in the fabrication of electrospun-nanofiber-supported thin film composite/nanocomposite membranes for the forward osmosis process: A review. Critical Reviews in Environmental Science and Technology, 2020, 50, 1727-1795.	12.8	40
33	Dewatering of POME digestate using lignosulfonate driven forward osmosis. Separation and Purification Technology, 2020, 235, 116151.	7.9	9
34	Innovative and sustainable membrane technology for wastewater treatment and desalination application. , 2020, , 291-319.		10
35	Thermodynamic optimization of Multistage Pressure Retarded Osmosis (MPRO) with variable feed pressures for hypersaline solutions. Desalination, 2020, 477, 114245.	8.2	8
36	Effect of lithium chloride additive on forward osmosis membranes performance. Journal of Water Process Engineering, 2020, 33, 101049.	5.6	26

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37	Interaction between ballasting agent and flocs in ballasted flocculation for the removal of suspended solids in water. <i>Journal of Water Process Engineering</i> , 2020, 33, 101028.	5.6	23
38	Unlocking the application potential of forward osmosis through integrated/hybrid process. <i>Science of the Total Environment</i> , 2020, 706, 136047.	8.0	41
39	Nanocrystalline NiWO ₄ -WO ₃ -WO _{2.9} Composite Strings: Fabrication, Characterization and their Electrocatalytic Performance for Hydrogen Evolution Reaction. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 1264-1274.	2.2	10
40	Ceramic Microfiltration Membranes in Wastewater Treatment: Filtration Behavior, Fouling and Prevention. <i>Membranes</i> , 2020, 10, 248.	3.0	60
41	Hybrid technologies: The future of energy efficient desalination – A review. <i>Desalination</i> , 2020, 495, 114659.	8.2	129
42	Alternative heating techniques in membrane distillation: A review. <i>Desalination</i> , 2020, 496, 114713.	8.2	108
43	Strategies in Forward Osmosis Membrane Substrate Fabrication and Modification: A Review. <i>Membranes</i> , 2020, 10, 332.	3.0	45
44	The role of wastewater treatment plants as tools for SARS-CoV-2 early detection and removal. <i>Journal of Water Process Engineering</i> , 2020, 38, 101544.	5.6	65
45	Experimental investigation of forward osmosis process for boron removal from water. <i>Journal of Water Process Engineering</i> , 2020, 38, 101570.	5.6	18
46	Membrane desalination and water re-use for agriculture: State of the art and future outlook. <i>Desalination</i> , 2020, 491, 114559.	8.2	75
47	Current status and challenges of fabricating thin film composite forward osmosis membrane: A comprehensive roadmap. <i>Desalination</i> , 2020, 491, 114557.	8.2	56
48	Energy for desalination: A state-of-the-art review. <i>Desalination</i> , 2020, 491, 114569.	8.2	247
49	Ammonium ion removal using activated zeolite and chitosan. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2020, 15, e2448.	1.5	12
50	Breaking through the selectivity-permeability tradeoff using nano zeolite-Y for micellar enhanced ultrafiltration dye rejection application. <i>Separation and Purification Technology</i> , 2020, 242, 116824.	7.9	35
51	Fouling mitigation in forward osmosis and membrane distillation for desalination. <i>Desalination</i> , 2020, 480, 114338.	8.2	111
52	Ultrafiltration membranes for wastewater and water process engineering: A comprehensive statistical review over the past decade. <i>Journal of Water Process Engineering</i> , 2020, 35, 101241.	5.6	148
53	Forward osmosis membranes and processes: A comprehensive review of research trends and future outlook. <i>Desalination</i> , 2020, 485, 114455.	8.2	194
54	Remineralization of desalinated water: Methods and environmental impact. <i>Desalination</i> , 2020, 496, 114692.	8.2	27

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55	Enhanced performance of direct contact membrane distillation via selected electrothermal heating of membrane surface. <i>Journal of Membrane Science</i> , 2020, 610, 118224.	8.2	33
56	Mathematical and optimization modelling in desalination: State-of-the-art and future direction. <i>Desalination</i> , 2019, 469, 114092.	8.2	64
57	Functional materials in desalination: A review. <i>Desalination</i> , 2019, 468, 114077.	8.2	111
58	Contemporary antibiofouling modifications of reverse osmosis desalination membrane: A review. <i>Desalination</i> , 2019, 468, 114072.	8.2	83
59	Forward osmosis research trends in desalination and wastewater treatment: A review of research trends over the past decade. <i>Journal of Water Process Engineering</i> , 2019, 31, 100886.	5.6	117
60	Towards a Sustainable Water Supply: Humic Acid Removal Employing Coagulation and Tangential Cross Flow Microfiltration. <i>Water (Switzerland)</i> , 2019, 11, 2093.	2.7	4
61	Interactions between nanoparticles in nanosuspension. <i>Advances in Colloid and Interface Science</i> , 2019, 272, 102020.	14.7	26
62	Fouling control in reverse osmosis membranes through modification with conductive carbon nanostructures. <i>Desalination</i> , 2019, 470, 114118.	8.2	27
63	An integrated fertilizer driven forward osmosis- renewables powered membrane distillation system for brackish water desalination: A combined experimental and theoretical approach. <i>Desalination</i> , 2019, 471, 114126.	8.2	47
64	Flux and salt rejection enhancement of polyvinyl(alcohol) reverse osmosis membranes using nano-zeolite. <i>Desalination</i> , 2019, 470, 114104.	8.2	34
65	Microfiltration membrane processes: A review of research trends over the past decade. <i>Journal of Water Process Engineering</i> , 2019, 32, 100941.	5.6	118
66	Analytical and forecasting study for wastewater treatment and water resources in Saudi Arabia. <i>Journal of Water Process Engineering</i> , 2019, 32, 100915.	5.6	27
67	Development of an axisymmetric parallel solution algorithm for membrane separation process. <i>Desalination</i> , 2019, 471, 114127.	8.2	0
68	Brackish water desalination for agriculture: Assessing the performance of inorganic fertilizer draw solutions. <i>Desalination</i> , 2019, 456, 53-63.	8.2	35
69	Investigations of the effect of pore size of ceramic membranes on the pilot-scale removal of oil from oil-water emulsion. <i>Journal of Water Process Engineering</i> , 2019, 31, 100868.	5.6	25
70	Superior cross-linking assisted layer by layer modification of forward osmosis membranes for brackish water desalination. <i>Desalination</i> , 2019, 463, 1-12.	8.2	23
71	Development of forward osmosis membranes modified by cross-linked layer by layer assembly for brackish water desalination. <i>Journal of Membrane Science</i> , 2019, 583, 267-277.	8.2	25
72	Reverse osmosis desalination: A state-of-the-art review. <i>Desalination</i> , 2019, 459, 59-104.	8.2	765

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73	Can machine language and artificial intelligence revolutionize process automation for water treatment and desalination?. Desalination, 2019, 458, 84-96.	8.2	129
74	Reverse osmosis pretreatment technologies and future trends: A comprehensive review. Desalination, 2019, 452, 159-195.	8.2	300
75	Polymer membranes – Fractal characteristics and determination of roughness scaling exponents. Journal of Membrane Science, 2019, 570-571, 9-22.	8.2	11
76	Optimisation of the removal of oil in water emulsion by using ceramic microfiltration membrane and hybrid coagulation/sand filter-MF. Journal of Water Process Engineering, 2019, 27, 15-23.	5.6	30
77	Solar powered desalination – Technology, energy and future outlook. Desalination, 2019, 453, 54-76.	8.2	358
78	Nuclear desalination: A state-of-the-art review. Desalination, 2019, 457, 39-61.	8.2	122
79	Periodic electrolysis technique for in situ fouling control and removal with low-pressure membrane filtration. Desalination, 2018, 433, 10-24.	8.2	13
80	Advances in forward osmosis membranes: Altering the sub-layer structure via recent fabrication and chemical modification approaches. Desalination, 2018, 436, 176-201.	8.2	115
81	Comparison between dual-layer (superhydrophobic–hydrophobic) and single superhydrophobic layer electrospun membranes for heavy metal recovery by air-gap membrane distillation. Desalination, 2018, 439, 31-45.	8.2	40
82	Investigation of UF membranes fouling and potentials as pre-treatment step in desalination and surface water applications. Desalination, 2018, 432, 115-127.	8.2	39
83	Novel low-fouling membranes from lab to pilot application in textile wastewater treatment. Journal of Colloid and Interface Science, 2018, 515, 208-220.	9.4	28
84	Electrically conductive membranes for in situ fouling detection in membrane distillation using impedance spectroscopy. Journal of Membrane Science, 2018, 556, 66-72.	8.2	31
85	State of the art review on membrane surface characterisation: Visualisation, verification and quantification of membrane properties. Desalination, 2018, 434, 12-36.	8.2	35
86	Thin Film Nanocomposite (TFN) membranes modified with polydopamine coated metals/carbon-nanostructures for desalination applications. Desalination, 2018, 427, 60-74.	8.2	71
87	Osmotic's potential: An overview of draw solutes for forward osmosis. Desalination, 2018, 434, 100-120.	8.2	198
88	Removal of oil from oil-water emulsion by hybrid coagulation/sand filter as pre-treatment. Journal of Water Process Engineering, 2018, 26, 17-27.	5.6	36
89	Robust superhydrophobic electrospun membrane fabricated by combination of electrospinning and electrospraying techniques for air gap membrane distillation. Desalination, 2018, 446, 70-82.	8.2	83
90	Exploring the current state of play for cost-effective water treatment by membranes. Npj Clean Water, 2018, 1, .	8.0	20

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91	Membrane separation as a pre-treatment process for oily saline water. Desalination, 2018, 447, 182-202.	8.2	110
92	Membrane Modules for Large-Scale Salinity Gradient Process Applications. , 2018, , 223-242.		1
93	The use of ultrasound to mitigate membrane fouling in desalination and water treatment. Desalination, 2018, 443, 143-164.	8.2	120
94	Membrane distillation“Principles, applications, configurations, design, and implementation. , 2018, , 55-106.		33
95	Influence of Particle Size and Pressure Drop in Cake Filtration Process on Removal of Suspended Solids in Anaerobically Digested Palm Oil Mill Effluent. International Journal of Engineering Transactions B: Applications, 2018, 31, .	0.5	0
96	Adsorption of Ammonia Nitrogen by using Jackfruit (Artocarpus heterophyllus) Seeds: Batch and Fixed-bed Column Studies. Current Environmental Engineering, 2018, 5, 202-210.	0.6	2
97	Microfiltration of micro-sized suspensions of boron-selective resin with PVDF membranes. Desalination, 2017, 403, 161-171.	8.2	22
98	Effective coagulation-flocculation treatment of highly polluted palm oil mill biogas plant wastewater using dual coagulants: Decolourisation, kinetics and phytotoxicity studies. Journal of Water Process Engineering, 2017, 16, 258-269.	5.6	63
99	Electrically conductive spacers for self-cleaning membrane surfaces via periodic electrolysis. Desalination, 2017, 416, 16-23.	8.2	35
100	Atomic force microscopy studies of bioprocess engineering surfaces “ imaging, interactions and mechanical properties mediating bacterial adhesion. Biotechnology Journal, 2017, 12, 1600698.	3.5	34
101	Mechanical Characterization of Membranes. , 2017, , 259-306.		19
102	Atomic force microscopy study of the biofouling and mechanical properties of virgin and industrially fouled reverse osmosis membranes. Desalination, 2017, 404, 313-321.	8.2	32
103	Modelling of air gap membrane distillation and its application in heavy metals removal. Desalination, 2017, 424, 27-36.	8.2	55
104	A review of efforts to reduce membrane fouling by control of feed spacer characteristics. Desalination, 2017, 420, 384-402.	8.2	104
105	Nanofiltration membranes and processes: A review of research trends over the past decade. Journal of Water Process Engineering, 2017, 19, 164-171.	5.6	229
106	Superhydrophobic electrospun membrane for heavy metals removal by air gap membrane distillation (AGMD). Desalination, 2017, 420, 318-329.	8.2	119
107	Fabrication of antibacterial mixed matrix nanocomposite membranes using hybrid nanostructure of silver coated multi-walled carbon nanotubes. Chemical Engineering Journal, 2017, 326, 721-736.	12.7	70
108	Atomic Force Microscopy (AFM). , 2017, , 115-144.		10

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109	Mass Transport in Porous Liquid Phase Membranes. , 2017, , 337-358.		1
110	The Use of Modeling for Characterization of Membranes. , 2017, , 359-378.		2
111	Feed Solution Characterization. , 2017, , 379-404.		0
112	Electrokinetic Phenomena for Membrane Charge. , 2017, , 405-422.		4
113	Biomimetic membranes: A critical review of recent progress. Desalination, 2017, 420, 403-424.	8.2	100
114	Development of polysulfone-nanohybrid membranes using ZnO-GO composite for enhanced antifouling and antibacterial control. Desalination, 2017, 402, 123-132.	8.2	183
115	Laser Doppler Electrophoresis and electro-osmotic flow mapping: A novel methodology for the determination of membrane surface zeta potential. Journal of Membrane Science, 2017, 523, 524-532.	8.2	28
116	Effect of membrane performance including fouling on cost optimization in brackish water desalination process. Chemical Engineering Research and Design, 2017, 117, 401-413.	5.6	34
117	Engineering nanocomposite membranes: Addressing current challenges and future opportunities. Desalination, 2017, 401, 1-15.	8.2	91
118	Air gap membrane distillation: A detailed study of high saline solution. Desalination, 2017, 403, 179-186.	8.2	75
119	Electrically conducting nanofiltration membranes based on networked cellulose and carbon nanostructures. Desalination, 2017, 406, 60-66.	8.2	20
120	Mechanical properties of water desalination and wastewater treatment membranes. Desalination, 2017, 401, 190-205.	8.2	146
121	Atomic-force microscopy investigations of filtration membranes. , 2017, , 189-212.		0
122	Hybrid coagulation-UF membrane processes for brackish water treatment: Effect of pH and salt/calcium concentration. Desalination, 2016, 390, 25-32.	8.2	25
123	Modeling and optimization of a solar forward osmosis pilot plant by response surface methodology. Solar Energy, 2016, 137, 290-302.	6.1	42
124	Dual stage PRO power generation from brackish water brine and wastewater effluent feeds. Desalination, 2016, 389, 68-77.	8.2	12
125	Hybrid coagulation-UF membrane process for brackish water treatment: Effect of antiscalant on water characteristics and membrane fouling. Desalination, 2016, 393, 144-150.	8.2	35
126	Chitosan as natural coagulant in hybrid coagulation-nanofiltration membrane process for water treatment. Journal of Environmental Chemical Engineering, 2016, 4, 4857-4862.	6.7	37

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127	Novel low-fouling membrane bioreactor (MBR) for industrial wastewater treatment. Journal of Membrane Science, 2016, 510, 524-532.	8.2	61
128	Enhancing oil removal from water using ferric oxide nanoparticles doped carbon nanotubes adsorbents. Chemical Engineering Journal, 2016, 293, 90-101.	12.7	148
129	Can carbon-based nanomaterials revolutionize membrane fabrication for water treatment and desalination?. Desalination, 2016, 391, 69-88.	8.2	115
130	Development of polyamide forward osmosis membrane for humic acid removal. Desalination and Water Treatment, 2016, 57, 29113-29117.	1.0	2
131	Electrically conductive polymeric membranes for fouling prevention and detection: A review. Desalination, 2016, 391, 1-15.	8.2	165
132	Reducing flux decline and fouling of direct contact membrane distillation by utilizing thermal brine from MSF desalination plant. Desalination, 2016, 379, 172-181.	8.2	46
133	Recent trends in membranes and membrane processes for desalination. Desalination, 2016, 391, 43-60.	8.2	223
134	Fabrication and antifouling behaviour of a carbon nanotube membrane. Materials and Design, 2016, 89, 549-558.	7.0	77
135	Nano-enabled membranes technology: Sustainable and revolutionary solutions for membrane desalination?. Desalination, 2016, 380, 100-104.	8.2	125
136	Recent advances in the development of (bio)fouling resistant thin film composite membranes for desalination. Desalination, 2016, 380, 105-111.	8.2	121
137	Atomic Force Microscopy (AFM). , 2016, , 127-129.		0
138	Boron removal from water with fractionized Amberlite IRA743 resin. Desalination, 2015, 370, 1-6.	8.2	66
139	A step forward to a more efficient wastewater treatment by membrane surface modification via polymerizable bicontinuous microemulsion. Journal of Membrane Science, 2015, 482, 103-114.	8.2	55
140	Layer-by-layer surface modification of polyethersulfone membranes using polyelectrolytes and AgCl/TiO ₂ xerogels. Journal of Membrane Science, 2015, 493, 807-819.	8.2	41
141	High recovery rate NF ⁺ FO ⁻ RO hybrid system for inland brackish water treatment. Desalination, 2015, 363, 19-25.	8.2	64
142	Design optimization of high performance dual stage pressure retarded osmosis. Desalination, 2015, 355, 217-224.	8.2	18
143	Statistical analysis of air-gap membrane desalination experimental data: Hypothesis testing. Desalination, 2015, 362, 117-125.	8.2	8
144	The Chemistry of Boron in Water. , 2015, , 35-63.		27

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145	Electrically conductive membranes based on carbon nanostructures for self-cleaning of biofouling. Desalination, 2015, 360, 8-12.	8.2	102
146	An electrochemical sensor for selective determination of sulfamethoxazole in surface water using a molecularly imprinted polymer modified BDD electrode. Analytical Methods, 2015, 7, 2693-2698.	2.7	50
147	Numerical modelling of concentration polarisation and cake formation in membrane filtration processes. Desalination, 2015, 365, 151-159.	8.2	14
148	Hybrid chitosan/FeCl ₃ coagulation-“membrane processes: Performance evaluation and membrane fouling study in removing natural organic matter. Separation and Purification Technology, 2015, 152, 23-31.	7.9	43
149	Water desalination by forward (direct) osmosis phenomenon: A comprehensive review. Desalination, 2015, 374, 47-69.	8.2	206
150	Treatment of textile wastewater by submerged membrane bioreactor: InÂvitro bioassays for the assessment of stress response elicited by raw and reclaimed wastewater. Journal of Environmental Management, 2015, 160, 184-192.	7.8	39
151	Adhesion forces between humic acid functionalized colloidal probes and polymer membranes to assess fouling potential. Journal of Membrane Science, 2015, 484, 35-46.	8.2	31
152	The use of factorial design in the analysis of air-gap membrane distillation data. Desalination, 2015, 367, 90-102.	8.2	10
153	Coagulation/flocculation of lignin aqueous solution in single stage mixing tank system: Modeling and optimization by response surface methodology. Journal of Environmental Chemical Engineering, 2015, 3, 2145-2154.	6.7	40
154	Performance of PAN-based membranes with graft copolymers bearing hydrophilic PVA and PAN segments in direct ultrafiltration of natural rubber effluent. Desalination, 2015, 358, 49-60.	8.2	30
155	Membrane technology enhancement in oil-water separation. A review. Desalination, 2015, 357, 197-207.	8.2	978
156	A combined ion exchange-“nanofiltration process for water desalination: III. Pilot scale studies. Desalination, 2015, 363, 58-63.	8.2	19
157	Thin film composite membrane -“ Recent development and future potential. Desalination, 2015, 356, 140-148.	8.2	245
158	Characterization Methods of Thin Film Composite Nanofiltration Membranes. Separation and Purification Reviews, 2015, 44, 135-156.	5.5	101
159	A combined ion exchange-“nanofiltration process for water desalination: I. sulphate-“chloride ion-exchange in saline solutions. Desalination, 2015, 363, 44-50.	8.2	30
160	A combined ion exchange-“nanofiltration process for water desalination: II. Membrane selection. Desalination, 2015, 363, 51-57.	8.2	31
161	A review on the applicability of integrated/hybrid membrane processes in water treatment and desalination plants. Desalination, 2015, 363, 2-18.	8.2	316
162	Nanofiltration membranes review: Recent advances and future prospects. Desalination, 2015, 356, 226-254.	8.2	1,432

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163	A comprehensive review on surface modified polymer membranes for biofouling mitigation. Desalination, 2015, 356, 187-207.	8.2	465
164	Characterisation and quantification of membrane surface properties using atomic force microscopy: A comprehensive review. Desalination, 2015, 356, 149-164.	8.2	77
165	Dual stage PRO process for power generation from different feed resources. Desalination, 2014, 352, 118-127.	8.2	23
166	Pollutants analysis during conventional palm oil mill effluent (POME) ponding system and decolourisation of anaerobically treated POME via calcium lactate-polyacrylamide. Journal of Water Process Engineering, 2014, 4, 159-165.	5.6	40
167	MICROSCOPY Atomic Force Microscopy. , 2014, , 666-675.		4
168	Underwater superoleophobic cellulose/electrospun PVDF/HFP membranes for efficient oil/water separation. Desalination, 2014, 344, 48-54.	8.2	212
169	Polymeric membranes: Surface modification for minimizing (bio)colloidal fouling. Advances in Colloid and Interface Science, 2014, 206, 116-140.	14.7	211
170	Application of Capacitive Deionisation in water desalination: A review. Desalination, 2014, 342, 3-15.	8.2	413
171	A novel in situ membrane cleaning method using periodic electrolysis. Journal of Membrane Science, 2014, 471, 149-154.	8.2	75
172	The potential of thin film nanocomposite membrane in reducing organic fouling in forward osmosis process. Desalination, 2014, 348, 82-88.	8.2	90
173	Dual-stage forward osmosis/pressure retarded osmosis process for hypersaline solutions and fracking wastewater treatment. Desalination, 2014, 350, 79-85.	8.2	38
174	Predicting the structural parameters of integrally skinned porous membranes. Journal of Membrane Science, 2014, 454, 451-462.	8.2	9
175	Effects of polyaniline nanoparticles in polyethersulfone ultrafiltration membranes: Fouling behaviours by different types of foulant. Journal of Industrial and Engineering Chemistry, 2014, 20, 3134-3140.	5.8	35
176	Description of membrane fouling characteristics during ultrafiltration of organic foulants contained in sweetwater solutions. Journal of Environmental Chemical Engineering, 2014, 2, 1243-1251.	6.7	8
177	Atomic Force Microscopy (AFM). , 2014, , 1-3.		0
178	Treatment of saline solutions using Air Gap Membrane Distillation: Experimental study. Desalination, 2013, 323, 2-7.	8.2	45
179	Hybrid ion exchange – Pressure driven membrane processes in water treatment: A review. Separation and Purification Technology, 2013, 116, 253-264.	7.9	102
180	A review on membrane fabrication: Structure, properties and performance relationship. Desalination, 2013, 326, 77-95.	8.2	823

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181	Comparative study of NF and RO membranes in the treatment of produced water II: Toxicity removal efficiency. <i>Desalination</i> , 2013, 315, 27-32.	8.2	33
182	Identification of foulants, fouling mechanisms and cleaning efficiency for NF and RO treatment of produced water. <i>Separation and Purification Technology</i> , 2013, 118, 324-341.	7.9	43
183	Comparative study of NF and RO membranes in the treatment of produced waterâ€”Part I: Assessing water quality. <i>Desalination</i> , 2013, 315, 18-26.	8.2	80
184	Effect of dry-out on the fouling of PVDF and PTFE membranes under conditions simulating intermittent seawater membrane distillation (SWMD). <i>Journal of Membrane Science</i> , 2013, 438, 126-139.	8.2	114
185	Optimisation of polyethersulfone/polyaniline blended membranes using response surface methodology approach. <i>Desalination</i> , 2013, 311, 182-191.	8.2	42
186	Removal of heavy metal ions by nanofiltration. <i>Desalination</i> , 2013, 315, 2-17.	8.2	441
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