

# Nidal Hilal

## List of PR Articles by Year in descending order

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3084

89

h-index

20354

citing authors

#	ARTICLE	IF	PR CITATIONS
1	Sustainability in Membrane Technology: Membrane Recycling and Fabrication Using Recycled Waste. Membranes, 2024, 14, 52.	3.3	55
2	Integration of Porous and Permeable Poly(ether sulfone) Feed Spacer onto Membrane Surfaces via Direct 3D Printing. , 2024, 2, 1094-1109.		10
3	Novel Crosslinked Anion Exchange Membranes Based on Thermally Cured Epoxy Resin: Synthesis, Structure and Mechanical and Ion Transport Properties. Membranes, 2024, 14, 138.	3.3	13
4	A spacer-based approach for localized Joule heating in membrane distillation. Npj Clean Water, 2024, 7, .	10.3	7
5	Waters of Contention: The GERD and Its Impact on Nile Basin Cooperation and Conflict. Water (Switzerland), 2024, 16, 2174.	2.8	3
6	Polybenzimidazole-Modified Cation-Exchange Membrane with High Monovalent Ion Selectivity for Electrodialysis Separation of Alkaline/Alkaline Earth Metals. ACS Applied Polymer Materials, 2024, 6, 11762-11775.	4.6	12
7	Membrane Technologies for Nitrogen Recovery from Waste Streams: Scientometrics and Technical Analysis. Membranes, 2023, 13, 15.	3.3	26
8	Modification of Liquid Separation Membranes Using Multidimensional Nanomaterials: Revealing the Roles of Dimension Based on Classical Titanium Dioxide. Nanomaterials, 2023, 13, 448.	4.0	15
9	Barriers to Innovation in Water Treatment. Water (Switzerland), 2023, 15, 773.	2.8	17
10	Electrohydrodynamic atomization of CNT on PTFE membrane for scaling resistant membranes in membrane distillation. Npj Clean Water, 2023, 6, .	10.3	27
11	Modified Electrospun Membranes Using Different Nanomaterials for Membrane Distillation. Membranes, 2023, 13, 338.	3.3	25
12	Enhancing ultrafiltration membrane permeability and antifouling performance through surface patterning with features resembling feed spacers. Npj Clean Water, 2023, 6, .	10.3	23
13	A Critical Assessment of Surface-Patterned Membranes and Their Role in Advancing Membrane Technologies. ACS ES&T Water, 2023, 3, 3807-3834.	4.3	23
14	Electrically conductive membranes for contemporaneous dye rejection and degradation. Chemical Engineering Journal, 2022, 428, 131184.	12.0	44
15	Titanium coating on ultrafiltration inorganic membranes for fouling control. Separation and Purification Technology, 2022, 282, 119997.	8.8	11
16	Nanocomposite nanofiltration membranes: State of play and recent advances. Desalination, 2022, 524, 115480.	9.4	98
17	Nanofiltration membrane processes for water recycling, reuse and product recovery within various industries: A review. Journal of Water Process Engineering, 2022, 45, 102478.	6.2	165
18	Electrospun membranes for membrane distillation: The state of play and recent advances. Desalination, 2022, 526, 115511.	9.4	66

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19	Biomolecule-Enabled Liquid Separation Membranes: Potential and Recent Progress. <i>Membranes</i> , 2022, 12, 148.	3.3	11
20	Advances in Membrane Distillation Module Configurations. <i>Membranes</i> , 2022, 12, 81.	3.3	66
21	Lithium recovery from brine: Recent developments and challenges. <i>Desalination</i> , 2022, 528, 115611.	9.4	306
22	3D printed electrically conductive interdigitated spacer on ultrafiltration membrane for electrolytic cleaning and chlorination. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.7	7
23	Intermittent direct joule heating of membrane surface for seawater desalination by air gap membrane distillation. <i>Journal of Membrane Science</i> , 2022, 648, 120390.	8.4	33
24	Natural and recycled materials for sustainable membrane modification: Recent trends and prospects. <i>Science of the Total Environment</i> , 2022, 838, 156014.	8.4	42
25	3D printed membrane-integrated spacers for enhanced antifouling in ultrafiltration. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.7	5
26	Electrosprayed CNTs on Electrospun PVDF-Co-HFP Membrane for Robust Membrane Distillation. <i>Nanomaterials</i> , 2022, 12, 4331.	4.0	18
27	Can graphene and graphene oxide materials revolutionise desalination processes?. <i>Desalination</i> , 2021, 500, 114852.	9.4	55
28	Superhydrophilic and underwater superoleophobic nano zeolite membranes for efficient oil-in-water nanoemulsion separation. <i>Journal of Water Process Engineering</i> , 2021, 40, 101802.	6.2	32
29	Salinity gradient energy generation by pressure retarded osmosis: A review. <i>Desalination</i> , 2021, 500, 114841.	9.4	86
30	Membrane distillation process application using a novel ceramic membrane for Brackish water desalination. <i>Desalination</i> , 2021, 500, 114906.	9.4	44
31	Green Approaches for Sustainable Development of Liquid Separation Membrane. <i>Membranes</i> , 2021, 11, 235.	3.3	34
32	The hybridization of thermally-driven desalination processes: The state-of-the-art and opportunities. <i>Desalination</i> , 2021, 506, 115002.	9.4	40
33	Electro-ceramic self-cleaning membranes for biofouling control and prevention in water treatment. <i>Chemical Engineering Journal</i> , 2021, 415, 128395.	12.0	49
34	Evaluating Fertilizer-Drawn Forward Osmosis Performance in Treating Anaerobic Palm Oil Mill Effluent. <i>Membranes</i> , 2021, 11, 566.	3.3	15
35	3D printed zeolite-Y for removing heavy metals from water. <i>Journal of Water Process Engineering</i> , 2021, 42, 102187.	6.2	29
36	A planned review on designing of high-performance nanocomposite nanofiltration membranes for pollutants removal from water. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 101, 78-125.	5.8	75

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37	The emerging role of 3D printing in water desalination. <i>Science of the Total Environment</i> , 2021, 790, 148238.	8.4	46
38	Hierarchical underwater oleophobic electro-ceramic/carbon nanostructure membranes for highly efficient oil-in-water separation. <i>Separation and Purification Technology</i> , 2021, 275, 119241.	8.8	28
39	Current advances in membrane technologies for saline wastewater treatment: A comprehensive review. <i>Desalination</i> , 2021, 517, 115170.	9.4	197
40	Emerging desalination technologies: Current status, challenges and future trends. <i>Desalination</i> , 2021, 517, 115183.	9.4	289
41	Comprehensive review of membrane design and synthesis for membrane distillation. <i>Desalination</i> , 2021, 518, 115168.	9.4	130
42	Surface Design of Liquid Separation Membrane through Graft Polymerization: A State of the Art Review. <i>Membranes</i> , 2021, 11, 832.	3.3	77
43	Breakthroughs in the fabrication of electrospun-nanofiber-supported thin film composite/nanocomposite membranes for the forward osmosis process: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2020, 50, 1727-1795.	13.3	49
44	Dewatering of POME digestate using lignosulfonate driven forward osmosis. <i>Separation and Purification Technology</i> , 2020, 235, 116151.	8.8	12
45	Thermodynamic optimization of Multistage Pressure Retarded Osmosis (MPRO) with variable feed pressures for hypersaline solutions. <i>Desalination</i> , 2020, 477, 114245.	9.4	12
46	Effect of lithium chloride additive on forward osmosis membranes performance. <i>Journal of Water Process Engineering</i> , 2020, 33, 101049.	6.2	35
47	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.	6.2	33
48	Unlocking the application potential of forward osmosis through integrated/hybrid process. <i>Science of the Total Environment</i> , 2020, 706, 136047.	8.4	53
49	Ceramic Microfiltration Membranes in Wastewater Treatment: Filtration Behavior, Fouling and Prevention. <i>Membranes</i> , 2020, 10, 248.	3.3	117
50	Hybrid technologies: The future of energy efficient desalination – A review. <i>Desalination</i> , 2020, 495, 114659.	9.4	217
51	Alternative heating techniques in membrane distillation: A review. <i>Desalination</i> , 2020, 496, 114713.	9.4	170
52	Strategies in Forward Osmosis Membrane Substrate Fabrication and Modification: A Review. <i>Membranes</i> , 2020, 10, 332.	3.3	59
53	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.	6.2	72
54	Experimental investigation of forward osmosis process for boron removal from water. <i>Journal of Water Process Engineering</i> , 2020, 38, 101570.	6.2	34

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55	Membrane desalination and water re-use for agriculture: State of the art and future outlook. <i>Desalination</i> , 2020, 491, 114559.	9.4	112
56	Current status and challenges of fabricating thin film composite forward osmosis membrane: A comprehensive roadmap. <i>Desalination</i> , 2020, 491, 114557.	9.4	75
57	Energy for desalination: A state-of-the-art review. <i>Desalination</i> , 2020, 491, 114569.	9.4	462
58	Ammonium ion removal using activated zeolite and chitosan. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2020, 15, .	1.4	24
59	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.	8.8	47
60	Fouling mitigation in forward osmosis and membrane distillation for desalination. <i>Desalination</i> , 2020, 480, 114338.	9.4	151
61	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.	6.2	251
62	Forward osmosis membranes and processes: A comprehensive review of research trends and future outlook. <i>Desalination</i> , 2020, 485, 114455.	9.4	268
63	Remineralization of desalinated water: Methods and environmental impact. <i>Desalination</i> , 2020, 496, 114692.	9.4	47
64	Enhanced performance of direct contact membrane distillation via selected electrothermal heating of membrane surface. <i>Journal of Membrane Science</i> , 2020, 610, 118224.	8.4	51
65	Mathematical and optimization modelling in desalination: State-of-the-art and future direction. <i>Desalination</i> , 2019, 469, 114092.	9.4	95
66	Functional materials in desalination: A review. <i>Desalination</i> , 2019, 468, 114077.	9.4	173
67	Contemporary antibiofouling modifications of reverse osmosis desalination membrane: A review. <i>Desalination</i> , 2019, 468, 114072.	9.4	115
68	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.	6.2	152
69	Towards a Sustainable Water Supply: Humic Acid Removal Employing Coagulation and Tangential Cross Flow Microfiltration. <i>Water (Switzerland)</i> , 2019, 11, 2093.	2.8	5
70	Interactions between nanoparticles in nanosuspension. <i>Advances in Colloid and Interface Science</i> , 2019, 272, 102020.	17.7	45
71	Fouling control in reverse osmosis membranes through modification with conductive carbon nanostructures. <i>Desalination</i> , 2019, 470, 114118.	9.4	37
72	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.	9.4	65

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73	Flux and salt rejection enhancement of polyvinyl(alcohol) reverse osmosis membranes using nano-zeolite. <i>Desalination</i> , 2019, 470, 114104.	9.4	43
74	Microfiltration membrane processes: A review of research trends over the past decade. <i>Journal of Water Process Engineering</i> , 2019, 32, 100941.	6.2	195
75	Analytical and forecasting study for wastewater treatment and water resources in Saudi Arabia. <i>Journal of Water Process Engineering</i> , 2019, 32, 100915.	6.2	40
76	Development of an axisymmetric parallel solution algorithm for membrane separation process. <i>Desalination</i> , 2019, 471, 114127.	9.4	0
77	Brackish water desalination for agriculture: Assessing the performance of inorganic fertilizer draw solutions. <i>Desalination</i> , 2019, 456, 53-63.	9.4	39
78	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.	6.2	32
79	Superior cross-linking assisted layer by layer modification of forward osmosis membranes for brackish water desalination. <i>Desalination</i> , 2019, 463, 1-12.	9.4	30
80	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.	8.4	33
81	Reverse osmosis desalination: A state-of-the-art review. <i>Desalination</i> , 2019, 459, 59-104.	9.4	1,154
82	Can machine language and artificial intelligence revolutionize process automation for water treatment and desalination?. <i>Desalination</i> , 2019, 458, 84-96.	9.4	219
83	Reverse osmosis pretreatment technologies and future trends: A comprehensive review. <i>Desalination</i> , 2019, 452, 159-195.	9.4	437
84	Polymer membranes – Fractal characteristics and determination of roughness scaling exponents. <i>Journal of Membrane Science</i> , 2019, 570-571, 9-22.	8.4	20
85	Optimisation of the removal of oil in water emulsion by using ceramic microfiltration membrane and hybrid coagulation/sand filter-MF. <i>Journal of Water Process Engineering</i> , 2019, 27, 15-23.	6.2	41
86	Solar powered desalination – Technology, energy and future outlook. <i>Desalination</i> , 2019, 453, 54-76.	9.4	524
87	Nanocrystalline NiWO <sub>4</sub> -WO <sub>3</sub> -WO <sub>2.9</sub> Composite Strings: Fabrication, Characterization and their Electrocatalytic Performance for Hydrogen Evolution Reaction. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 51, 1264-1274.	2.1	14
88	Nuclear desalination: A state-of-the-art review. <i>Desalination</i> , 2019, 457, 39-61.	9.4	180
89	Periodic electrolysis technique for in situ fouling control and removal with low-pressure membrane filtration. <i>Desalination</i> , 2018, 433, 10-24.	9.4	20
90	Advances in forward osmosis membranes: Altering the sub-layer structure via recent fabrication and chemical modification approaches. <i>Desalination</i> , 2018, 436, 176-201.	9.4	149

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91	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.	9.4	47
92	Investigation of UF membranes fouling and potentials as pre-treatment step in desalination and surface water applications. Desalination, 2018, 432, 115-127.	9.4	52
93	Novel low-fouling membranes from lab to pilot application in textile wastewater treatment. Journal of Colloid and Interface Science, 2018, 515, 208-220.	9.9	39
94	Electrically conductive membranes for in situ fouling detection in membrane distillation using impedance spectroscopy. Journal of Membrane Science, 2018, 556, 66-72.	8.4	46
95	State of the art review on membrane surface characterisation: Visualisation, verification and quantification of membrane properties. Desalination, 2018, 434, 12-36.	9.4	45
96	Thin Film Nanocomposite (TFN) membranes modified with polydopamine coated metals/carbon-nanostructures for desalination applications. Desalination, 2018, 427, 60-74.	9.4	86
97	Osmotic's potential: An overview of draw solutes for forward osmosis. Desalination, 2018, 434, 100-120.	9.4	254
98	Removal of oil from oil-water emulsion by hybrid coagulation/sand filter as pre-treatment. Journal of Water Process Engineering, 2018, 26, 17-27.	6.2	52
99	Robust superhydrophobic electrospun membrane fabricated by combination of electrospinning and electro-spraying techniques for air gap membrane distillation. Desalination, 2018, 446, 70-82.	9.4	114
100	Membrane separation as a pre-treatment process for oily saline water. Desalination, 2018, 447, 182-202.	9.4	159
101	The use of ultrasound to mitigate membrane fouling in desalination and water treatment. Desalination, 2018, 443, 143-164.	9.4	159
102	Effect of different filter aids used in cake filtration process on the removal of suspended solids in anaerobically digested palm oil mill effluent (POME). Desalination and Water Treatment, 2018, 110, 362-370.	0.9	11
103	Comparison of the intrinsic parameters (A, B, and S) of a forward osmosis membrane using pressurized and non-pressurized methods. Desalination and Water Treatment, 2018, 129, 14-23.	0.9	10
104	Adsorption of Ammonia Nitrogen by using Jackfruit (Artocarpus heterophyllus) Seeds: Batch and Fixed-bed Column Studies. Current Environmental Engineering, 2018, 5, 202-210.	1.1	3
105	Microfiltration of micro-sized suspensions of boron-selective resin with PVDF membranes. Desalination, 2017, 403, 161-171.	9.4	25
106	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.	6.2	85
107	Electrically conductive spacers for self-cleaning membrane surfaces via periodic electrolysis. Desalination, 2017, 416, 16-23.	9.4	43
108	Atomic force microscopy studies of bioprocess engineering surfaces - imaging, interactions and mechanical properties mediating bacterial adhesion. Biotechnology Journal, 2017, 12, .	3.3	40

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109	Atomic force microscopy study of the biofouling and mechanical properties of virgin and industrially fouled reverse osmosis membranes. <i>Desalination</i> , 2017, 404, 313-321.	9.4	52
110	Modelling of air gap membrane distillation and its application in heavy metals removal. <i>Desalination</i> , 2017, 424, 27-36.	9.4	66
111	A review of efforts to reduce membrane fouling by control of feed spacer characteristics. <i>Desalination</i> , 2017, 420, 384-402.	9.4	132
112	Nanofiltration membranes and processes: A review of research trends over the past decade. <i>Journal of Water Process Engineering</i> , 2017, 19, 164-171.	6.2	282
113	Superhydrophobic electrospun membrane for heavy metals removal by air gap membrane distillation (AGMD). <i>Desalination</i> , 2017, 420, 318-329.	9.4	141
114	Fabrication of antibacterial mixed matrix nanocomposite membranes using hybrid nanostructure of silver coated multi-walled carbon nanotubes. <i>Chemical Engineering Journal</i> , 2017, 326, 721-736.	12.0	86
115	Biomimetic membranes: A critical review of recent progress. <i>Desalination</i> , 2017, 420, 403-424.	9.4	107
116	Development of polysulfone-nano hybrid membranes using ZnO-GO composite for enhanced antifouling and antibacterial control. <i>Desalination</i> , 2017, 402, 123-132.	9.4	209
117	Laser Doppler Electrophoresis and electro-osmotic flow mapping: A novel methodology for the determination of membrane surface zeta potential. <i>Journal of Membrane Science</i> , 2017, 523, 524-532.	8.4	35
118	Effect of membrane performance including fouling on cost optimization in brackish water desalination process. <i>Chemical Engineering Research and Design</i> , 2017, 117, 401-413.	6.3	52
119	Engineering nanocomposite membranes: Addressing current challenges and future opportunities. <i>Desalination</i> , 2017, 401, 1-15.	9.4	120
120	Air gap membrane distillation: A detailed study of high saline solution. <i>Desalination</i> , 2017, 403, 179-186.	9.4	95
121	Electrically conducting nanofiltration membranes based on networked cellulose and carbon nanostructures. <i>Desalination</i> , 2017, 406, 60-66.	9.4	24
122	Mechanical properties of water desalination and wastewater treatment membranes. <i>Desalination</i> , 2017, 401, 190-205.	9.4	192
123	Hybrid coagulation-UF membrane processes for brackish water treatment: Effect of pH and salt/calcium concentration. <i>Desalination</i> , 2016, 390, 25-32.	9.4	31
124	Modeling and optimization of a solar forward osmosis pilot plant by response surface methodology. <i>Solar Energy</i> , 2016, 137, 290-302.	6.4	55
125	Dual stage PRO power generation from brackish water brine and wastewater effluent feeds. <i>Desalination</i> , 2016, 389, 68-77.	9.4	12
126	Hybrid coagulation-UF membrane process for brackish water treatment: Effect of antiscalant on water characteristics and membrane fouling. <i>Desalination</i> , 2016, 393, 144-150.	9.4	48

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127	Chitosan as natural coagulant in hybrid coagulation-nanofiltration membrane process for water treatment. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 4857-4862.	6.2	46
128	Novel low-fouling membrane bioreactor (MBR) for industrial wastewater treatment. <i>Journal of Membrane Science</i> , 2016, 510, 524-532.	8.4	69
129	Enhancing oil removal from water using ferric oxide nanoparticles doped carbon nanotubes adsorbents. <i>Chemical Engineering Journal</i> , 2016, 293, 90-101.	12.0	171
130	Can carbon-based nanomaterials revolutionize membrane fabrication for water treatment and desalination?. <i>Desalination</i> , 2016, 391, 69-88.	9.4	144
131	Development of polyamide forward osmosis membrane for humic acid removal. <i>Desalination and Water Treatment</i> , 2016, 57, 29113-29117.	0.9	4
132	Electrically conductive polymeric membranes for fouling prevention and detection: A review. <i>Desalination</i> , 2016, 391, 1-15.	9.4	205
133	Reducing flux decline and fouling of direct contact membrane distillation by utilizing thermal brine from MSF desalination plant. <i>Desalination</i> , 2016, 379, 172-181.	9.4	58
134	Recent trends in membranes and membrane processes for desalination. <i>Desalination</i> , 2016, 391, 43-60.	9.4	285
135	Fabrication and antifouling behaviour of a carbon nanotube membrane. <i>Materials and Design</i> , 2016, 89, 549-558.	7.0	87
136	Nano-enabled membranes technology: Sustainable and revolutionary solutions for membrane desalination?. <i>Desalination</i> , 2016, 380, 100-104.	9.4	151
137	Recent advances in the development of (bio)fouling resistant thin film composite membranes for desalination. <i>Desalination</i> , 2016, 380, 105-111.	9.4	138
138	Boron removal from water with fractionized Amberlite IRA743 resin. <i>Desalination</i> , 2015, 370, 1-6.	9.4	84
139	A step forward to a more efficient wastewater treatment by membrane surface modification via polymerizable bicontinuous microemulsion. <i>Journal of Membrane Science</i> , 2015, 482, 103-114.	8.4	63
140	Layer-by-layer surface modification of polyethersulfone membranes using polyelectrolytes and AgCl/TiO <sub>2</sub> xerogels. <i>Journal of Membrane Science</i> , 2015, 493, 807-819.	8.4	43
141	High recovery rate NF-RO hybrid system for inland brackish water treatment. <i>Desalination</i> , 2015, 363, 19-25.	9.4	79
142	Design optimization of high performance dual stage pressure retarded osmosis. <i>Desalination</i> , 2015, 355, 217-224.	9.4	20
143	Statistical analysis of air-gap membrane desalination experimental data: Hypothesis testing. <i>Desalination</i> , 2015, 362, 117-125.	9.4	9
144	Electrically conductive membranes based on carbon nanostructures for self-cleaning of biofouling. <i>Desalination</i> , 2015, 360, 8-12.	9.4	117

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145	An electrochemical sensor for selective determination of sulfamethoxazole in surface water using a molecularly imprinted polymer modified BDD electrode. <i>Analytical Methods</i> , 2015, 7, 2693-2698.	2.6	59
146	Numerical modelling of concentration polarisation and cake formation in membrane filtration processes. <i>Desalination</i> , 2015, 365, 151-159.	9.4	19
147	Hybrid chitosan/FeCl <sub>3</sub> coagulation–membrane processes: Performance evaluation and membrane fouling study in removing natural organic matter. <i>Separation and Purification Technology</i> , 2015, 152, 23-31.	8.8	53
148	Water desalination by forward (direct) osmosis phenomenon: A comprehensive review. <i>Desalination</i> , 2015, 374, 47-69.	9.4	256
149	Treatment of textile wastewater by submerged membrane bioreactor: In vitro bioassays for the assessment of stress response elicited by raw and reclaimed wastewater. <i>Journal of Environmental Management</i> , 2015, 160, 184-192.	8.4	46
150	Adhesion forces between humic acid functionalized colloidal probes and polymer membranes to assess fouling potential. <i>Journal of Membrane Science</i> , 2015, 484, 35-46.	8.4	33
151	The use of factorial design in the analysis of air-gap membrane distillation data. <i>Desalination</i> , 2015, 367, 90-102.	9.4	13
152	Coagulation/flocculation of lignin aqueous solution in single stage mixing tank system: Modeling and optimization by response surface methodology. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 2145-2154.	6.2	47
153	Performance of PAN-based membranes with graft copolymers bearing hydrophilic PVA and PAN segments in direct ultrafiltration of natural rubber effluent. <i>Desalination</i> , 2015, 358, 49-60.	9.4	37
154	Membrane technology enhancement in oil–water separation. A review. <i>Desalination</i> , 2015, 357, 197-207.	9.4	1,199
155	A combined ion exchange–nanofiltration process for water desalination: III. Pilot scale studies. <i>Desalination</i> , 2015, 363, 58-63.	9.4	22
156	Thin film composite membrane – Recent development and future potential. <i>Desalination</i> , 2015, 356, 140-148.	9.4	296
157	A combined ion exchange–nanofiltration process for water desalination: I. sulphate–chloride ion-exchange in saline solutions. <i>Desalination</i> , 2015, 363, 44-50.	9.4	35
158	A combined ion exchange–nanofiltration process for water desalination: II. Membrane selection. <i>Desalination</i> , 2015, 363, 51-57.	9.4	39
159	A review on the applicability of integrated/hybrid membrane processes in water treatment and desalination plants. <i>Desalination</i> , 2015, 363, 2-18.	9.4	397
160	Nanofiltration membranes review: Recent advances and future prospects. <i>Desalination</i> , 2015, 356, 226-254.	9.4	1,807
161	A comprehensive review on surface modified polymer membranes for biofouling mitigation. <i>Desalination</i> , 2015, 356, 187-207.	9.4	546
162	Characterisation and quantification of membrane surface properties using atomic force microscopy: A comprehensive review. <i>Desalination</i> , 2015, 356, 149-164.	9.4	101

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163	Dual stage PRO process for power generation from different feed resources. <i>Desalination</i> , 2014, 352, 118-127.	9.4	26
164	Pollutants analysis during conventional palm oil mill effluent (POME) ponding system and decolourisation of anaerobically treated POME via calcium lactate-polyacrylamide. <i>Journal of Water Process Engineering</i> , 2014, 4, 159-165.	6.2	48
165	Underwater superoleophobic cellulose/electrospun PVDF/HFP membranes for efficient oil/water separation. <i>Desalination</i> , 2014, 344, 48-54.	9.4	236
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326	Atomic Force Microscope Studies of Membranes: Surface Pore Structures of Diaflo Ultrafiltration Membranes. <i>Journal of Colloid and Interface Science</i> , 1996, 180, 350-359.	9.9	55
327	Heat transfer from vertical inserts in gas-fluidized beds. <i>International Journal of Heat and Mass Transfer</i> , 1996, 39, 3357-3365.	5.6	15
328	Visualisation of an ultrafiltration membrane by non-contact atomic force microscopy at single pore resolution. <i>Journal of Membrane Science</i> , 1996, 110, 229-232.	8.4	69
329	Atomic force microscope studies of membranes: Surface pore structures of Cyclopore and Anopore membranes. <i>Journal of Membrane Science</i> , 1996, 110, 233-238.	8.4	117
330	Heat transfer from vertical surfaces to dense gas-fluidized beds. <i>International Journal of Heat and Mass Transfer</i> , 1994, 37, 2465-2473.	5.6	15