

Nidal Hilal

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

360
papers

20,804
citations

70
h-index

133
g-index

370
ext. papers

24,252
ext. citations

8.1
avg. IF

7.64
L-index

#	Paper	IF	Citations
360	Advances in Membrane Distillation Module Configurations.. <i>Membranes</i> , 2022 , 12,	3.8	6
359	Lithium recovery from brine: Recent developments and challenges. <i>Desalination</i> , 2022 , 528, 115611	10.3	3
358	Nanocomposite nanofiltration membranes: State of play and recent advances. <i>Desalination</i> , 2022 , 524, 115480	10.3	5
357	Nanofiltration membrane processes for water recycling, reuse and product recovery within various industries: A review. <i>Journal of Water Process Engineering</i> , 2022 , 45, 102478	6.7	11
356	Electrospun membranes for membrane distillation: The state of play and recent advances. <i>Desalination</i> , 2022 , 526, 115511	10.3	5
355	Electrically conductive membranes for contemporaneous dye rejection and degradation. <i>Chemical Engineering Journal</i> , 2022 , 428, 131184	14.7	7
354	Intermittent direct joule heating of membrane surface for seawater desalination by air gap membrane distillation. <i>Journal of Membrane Science</i> , 2022 , 648, 120390	9.6	1
353	Natural and recycled materials for sustainable membrane modification: Recent trends and prospects.. <i>Science of the Total Environment</i> , 2022 , 156014	10.2	1
352	Surface Design of Liquid Separation Membrane through Graft Polymerization: A State of the Art Review. <i>Membranes</i> , 2021 , 11,	3.8	2
351	Titanium coating on ultrafiltration inorganic membranes for fouling control. <i>Separation and Purification Technology</i> , 2021 , 119997	8.3	1
350	Membrane distillation process application using a novel ceramic membrane for Brackish water desalination. <i>Desalination</i> , 2021 , 500, 114906	10.3	9
349	Green Approaches for Sustainable Development of Liquid Separation Membrane. <i>Membranes</i> , 2021 , 11,	3.8	4
348	The hybridization of thermally-driven desalination processes: The state-of-the-art and opportunities. <i>Desalination</i> , 2021 , 506, 115002	10.3	6
347	Electro-ceramic self-cleaning membranes for biofouling control and prevention in water treatment. <i>Chemical Engineering Journal</i> , 2021 , 415, 128395	14.7	12
346	Can graphene and graphene oxide materials revolutionise desalination processes?. <i>Desalination</i> , 2021 , 500, 114852	10.3	9
345	Superhydrophilic and underwater superoleophobic nano zeolite membranes for efficient oil-in-water nanoemulsion separation. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101802	6.7	10
344	Salinity gradient energy generation by pressure retarded osmosis: A review. <i>Desalination</i> , 2021 , 500, 114841	10.3	21

343	Basic principles of osmosis and osmotic pressure 2021 , 1-15		2
342	Application of PRO process for seawater and wastewater treatment: assessment of membrane performance 2021 , 203-244		
341	Principles of forward osmosis 2021 , 131-148		1
340	Evaluating Fertilizer-Drawn Forward Osmosis Performance in Treating Anaerobic Palm Oil Mill Effluent. <i>Membranes</i> , 2021 , 11,	3.8	3
339	3D printed zeolite-Y for removing heavy metals from water. <i>Journal of Water Process Engineering</i> , 2021 , 42, 102187	6.7	2
338	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	6.3	11
337	The emerging role of 3D printing in water desalination. <i>Science of the Total Environment</i> , 2021 , 790, 148238	4.8	9
336	Hierarchical underwater oleophobic electro-ceramic/carbon nanostructure membranes for highly efficient oil-in-water separation. <i>Separation and Purification Technology</i> , 2021 , 275, 119241	8.3	7
335	Current advances in membrane technologies for saline wastewater treatment: A comprehensive review. <i>Desalination</i> , 2021 , 517, 115170	10.3	27
334	Emerging desalination technologies: Current status, challenges and future trends. <i>Desalination</i> , 2021 , 517, 115183	10.3	24
333	Comprehensive review of membrane design and synthesis for membrane distillation. <i>Desalination</i> , 2021 , 518, 115168	10.3	13
332	Principle and theoretical background of pressure-retarded osmosis process 2021 , 187-202		
331	Membrane desalination and water re-use for agriculture: State of the art and future outlook. <i>Desalination</i> , 2020 , 491, 114559	10.3	39
330	Current status and challenges of fabricating thin film composite forward osmosis membrane: A comprehensive roadmap. <i>Desalination</i> , 2020 , 491, 114557	10.3	33
329	Energy for desalination: A state-of-the-art review. <i>Desalination</i> , 2020 , 491, 114569	10.3	113
328	Ammonium ion removal using activated zeolite and chitosan. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2020 , 15, e2448	1.3	6
327	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	8.3	19
326	Fouling mitigation in forward osmosis and membrane distillation for desalination. <i>Desalination</i> , 2020 , 480, 114338	10.3	62

325	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	6.7	58
324	Forward osmosis membranes and processes: A comprehensive review of research trends and future outlook. <i>Desalination</i> , 2020 , 485, 114455	10.3	98
323	Remineralization of desalinated water: Methods and environmental impact. <i>Desalination</i> , 2020 , 496, 114692	10.3	13
322	Enhanced performance of direct contact membrane distillation via selected electrothermal heating of membrane surface. <i>Journal of Membrane Science</i> , 2020 , 610, 118224	9.6	15
321	Dewatering of POME digestate using lignosulfonate driven forward osmosis. <i>Separation and Purification Technology</i> , 2020 , 235, 116151	8.3	6
320	Innovative and sustainable membrane technology for wastewater treatment and desalination application 2020 , 291-319		5
319	Thermodynamic optimization of Multistage Pressure Retarded Osmosis (MPRO) with variable feed pressures for hypersaline solutions. <i>Desalination</i> , 2020 , 477, 114245	10.3	4
318	Effect of lithium chloride additive on forward osmosis membranes performance. <i>Journal of Water Process Engineering</i> , 2020 , 33, 101049	6.7	16
317	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	6.7	13
316	Unlocking the application potential of forward osmosis through integrated/hybrid process. <i>Science of the Total Environment</i> , 2020 , 706, 136047	10.2	25
315	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	2.3	6
314	Ceramic Microfiltration Membranes in Wastewater Treatment: Filtration Behavior, Fouling and Prevention. <i>Membranes</i> , 2020 , 10,	3.8	21
313	Hybrid technologies: The future of energy efficient desalination [A review]. <i>Desalination</i> , 2020 , 495, 114650	10.3	60
312	Alternative heating techniques in membrane distillation: A review. <i>Desalination</i> , 2020 , 496, 114713	10.3	30
311	Strategies in Forward Osmosis Membrane Substrate Fabrication and Modification: A Review. <i>Membranes</i> , 2020 , 10,	3.8	16
310	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	6.7	45
309	Experimental investigation of forward osmosis process for boron removal from water. <i>Journal of Water Process Engineering</i> , 2020 , 38, 101570	6.7	7
308	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	11.1	16

307	Interactions between nanoparticles in nanosuspension. <i>Advances in Colloid and Interface Science</i> , 2019 , 272, 102020	14.3	15
306	Fouling control in reverse osmosis membranes through modification with conductive carbon nanostructures. <i>Desalination</i> , 2019 , 470, 114118	10.3	18
305	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	10.3	32
304	Flux and salt rejection enhancement of polyvinyl(alcohol) reverse osmosis membranes using nano-zeolite. <i>Desalination</i> , 2019 , 470, 114104	10.3	23
303	Microfiltration membrane processes: A review of research trends over the past decade. <i>Journal of Water Process Engineering</i> , 2019 , 32, 100941	6.7	65
302	Analytical and forecasting study for wastewater treatment and water resources in Saudi Arabia. <i>Journal of Water Process Engineering</i> , 2019 , 32, 100915	6.7	12
301	Development of an axisymmetric parallel solution algorithm for membrane separation process. <i>Desalination</i> , 2019 , 471, 114127	10.3	
300	Brackish water desalination for agriculture: Assessing the performance of inorganic fertilizer draw solutions. <i>Desalination</i> , 2019 , 456, 53-63	10.3	29
299	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	6.7	20
298	Superior cross-linking assisted layer by layer modification of forward osmosis membranes for brackish water desalination. <i>Desalination</i> , 2019 , 463, 1-12	10.3	21
297	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	9.6	17
296	Reverse osmosis desalination: A state-of-the-art review. <i>Desalination</i> , 2019 , 459, 59-104	10.3	410
295	Can machine language and artificial intelligence revolutionize process automation for water treatment and desalination?. <i>Desalination</i> , 2019 , 458, 84-96	10.3	67
294	Mathematical and optimization modelling in desalination: State-of-the-art and future direction. <i>Desalination</i> , 2019 , 469, 114092	10.3	41
293	Functional materials in desalination: A review. <i>Desalination</i> , 2019 , 468, 114077	10.3	70
292	Contemporary antibiofouling modifications of reverse osmosis desalination membrane: A review. <i>Desalination</i> , 2019 , 468, 114072	10.3	60
291	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	6.7	77
290	Towards a Sustainable Water Supply: Humic Acid Removal Employing Coagulation and Tangential Cross Flow Microfiltration. <i>Water (Switzerland)</i> , 2019 , 11, 2093	3	3

289	Nuclear desalination: A state-of-the-art review. <i>Desalination</i> , 2019 , 457, 39-61	10.3	69
288	Reverse osmosis pretreatment technologies and future trends: A comprehensive review. <i>Desalination</i> , 2019 , 452, 159-195	10.3	175
287	Polymer membranes I Fractal characteristics and determination of roughness scaling exponents. <i>Journal of Membrane Science</i> , 2019 , 570-571, 9-22	9.6	7
286	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	6.7	23
285	Solar powered desalination I Technology, energy and future outlook. <i>Desalination</i> , 2019 , 453, 54-76	10.3	198
284	Periodic electrolysis technique for in situ fouling control and removal with low-pressure membrane filtration. <i>Desalination</i> , 2018 , 433, 10-24	10.3	9
283	Advances in forward osmosis membranes: Altering the sub-layer structure via recent fabrication and chemical modification approaches. <i>Desalination</i> , 2018 , 436, 176-201	10.3	80
282	Comparison between dual-layer (superhydrophobic I hydrophobic) and single superhydrophobic layer electrospun membranes for heavy metal recovery by air-gap membrane distillation. <i>Desalination</i> , 2018 , 439, 31-45	10.3	29
281	Investigation of UF membranes fouling and potentials as pre-treatment step in desalination and surface water applications. <i>Desalination</i> , 2018 , 432, 115-127	10.3	29
280	Novel low-fouling membranes from lab to pilot application in textile wastewater treatment. <i>Journal of Colloid and Interface Science</i> , 2018 , 515, 208-220	9.3	21
279	Electrically conductive membranes for in situ fouling detection in membrane distillation using impedance spectroscopy. <i>Journal of Membrane Science</i> , 2018 , 556, 66-72	9.6	20
278	State of the art review on membrane surface characterisation: Visualisation, verification and quantification of membrane properties. <i>Desalination</i> , 2018 , 434, 12-36	10.3	27
277	Thin Film Nanocomposite (TFN) membranes modified with polydopamine coated metals/carbon-nanostructures for desalination applications. <i>Desalination</i> , 2018 , 427, 60-74	10.3	54
276	Osmotic I potential: An overview of draw solutes for forward osmosis. <i>Desalination</i> , 2018 , 434, 100-120	10.3	139
275	Exploring the current state of play for cost-effective water treatment by membranes. <i>Npj Clean Water</i> , 2018 , 1,	11.2	14
274	Membrane separation as a pre-treatment process for oily saline water. <i>Desalination</i> , 2018 , 447, 182-202	10.3	67
273	Membrane Modules for Large-Scale Salinity Gradient Process Applications 2018 , 223-242		
272	The use of ultrasound to mitigate membrane fouling in desalination and water treatment. <i>Desalination</i> , 2018 , 443, 143-164	10.3	74

271	Membrane distillation Principles, applications, configurations, design, and implementation 2018 , 55-106		18
270	Adsorption of Ammonia Nitrogen by using Jackfruit (<i>Artocarpus heterophyllus</i>) Seeds: Batch and Fixed-bed Column Studies. <i>Current Environmental Engineering</i> , 2018 , 5, 202-210	1.6	
269	Removal of oil from oil-water emulsion by hybrid coagulation/sand filter as pre-treatment. <i>Journal of Water Process Engineering</i> , 2018 , 26, 17-27	6.7	24
268	Robust superhydrophobic electrospun membrane fabricated by combination of electrospinning and electro spraying techniques for air gap membrane distillation. <i>Desalination</i> , 2018 , 446, 70-82	10.3	51
267	Microfiltration of micro-sized suspensions of boron-selective resin with PVDF membranes. <i>Desalination</i> , 2017 , 403, 161-171	10.3	16
266	Effective coagulation-flocculation treatment of highly polluted palm oil mill biogas plant wastewater using dual coagulants: Decolourisation, kinetics and phytotoxicity studies. <i>Journal of Water Process Engineering</i> , 2017 , 16, 258-269	6.7	42
265	Electrically conductive spacers for self-cleaning membrane surfaces via periodic electrolysis. <i>Desalination</i> , 2017 , 416, 16-23	10.3	25
264	Atomic force microscopy studies of bioprocess engineering surfaces - imaging, interactions and mechanical properties mediating bacterial adhesion. <i>Biotechnology Journal</i> , 2017 , 12, 1600698	5.6	23
263	Mechanical Characterization of Membranes 2017 , 259-306		11
262	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	10.3	25
261	Modelling of air gap membrane distillation and its application in heavy metals removal. <i>Desalination</i> , 2017 , 424, 27-36	10.3	40
260	A review of efforts to reduce membrane fouling by control of feed spacer characteristics. <i>Desalination</i> , 2017 , 420, 384-402	10.3	69
259	Nanofiltration membranes and processes: A review of research trends over the past decade. <i>Journal of Water Process Engineering</i> , 2017 , 19, 164-171	6.7	162
258	Superhydrophobic electrospun membrane for heavy metals removal by air gap membrane distillation (AGMD). <i>Desalination</i> , 2017 , 420, 318-329	10.3	94
257	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	14.7	58
256	Atomic Force Microscopy (AFM) 2017 , 115-144		6
255	Mass Transport in Porous Liquid Phase Membranes 2017 , 337-358		
254	The Use of Modeling for Characterization of Membranes 2017 , 359-378		2

253 Feed Solution Characterization **2017**, 379-404

252 Electrokinetic Phenomena for Membrane Charge **2017**, 405-422

2

251 Biomimetic membranes: A critical review of recent progress. *Desalination*, **2017**, 420, 403-424

10.3 69

250 Development of polysulfone-nanohybrid membranes using ZnO-GO composite for enhanced antifouling and antibacterial control. *Desalination*, **2017**, 402, 123-132

10.3 140

249 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

9.6 21

248 Effect of membrane performance including fouling on cost optimization in brackish water desalination process. *Chemical Engineering Research and Design*, **2017**, 117, 401-413

5.5 22

247 Engineering nanocomposite membranes: Addressing current challenges and future opportunities. *Desalination*, **2017**, 401, 1-15

10.3 66

246 Air gap membrane distillation: A detailed study of high saline solution. *Desalination*, **2017**, 403, 179-186

10.3 62

245 Electrically conducting nanofiltration membranes based on networked cellulose and carbon nanostructures. *Desalination*, **2017**, 406, 60-66

10.3 18

244 Mechanical properties of water desalination and wastewater treatment membranes. *Desalination*, **2017**, 401, 190-205

10.3 96

243 Atomic-force microscopy investigations of filtration membranes **2017**, 189-212

242 Fabrication and antifouling behaviour of a carbon nanotube membrane. *Materials and Design*, **2016**, 89, 549-558

8.1 65

241 Nano-enabled membranes technology: Sustainable and revolutionary solutions for membrane desalination?. *Desalination*, **2016**, 380, 100-104

10.3 105

240 Recent advances in the development of (bio)fouling resistant thin film composite membranes for desalination. *Desalination*, **2016**, 380, 105-111

10.3 101

239 Modeling and optimization of a solar forward osmosis pilot plant by response surface methodology. *Solar Energy*, **2016**, 137, 290-302

6.8 34

238 Dual stage PRO power generation from brackish water brine and wastewater effluent feeds. *Desalination*, **2016**, 389, 68-77

10.3 8

237 Hybrid coagulation-NF membrane process for brackish water treatment: Effect of antiscalant on water characteristics and membrane fouling. *Desalination*, **2016**, 393, 144-150

10.3 24

236 Chitosan as natural coagulant in hybrid coagulation-nanofiltration membrane process for water treatment. *Journal of Environmental Chemical Engineering*, **2016**, 4, 4857-4862

6.8 29

235	Novel low-fouling membrane bioreactor (MBR) for industrial wastewater treatment. <i>Journal of Membrane Science</i> , 2016 , 510, 524-532	9.6	49
234	Enhancing oil removal from water using ferric oxide nanoparticles doped carbon nanotubes adsorbents. <i>Chemical Engineering Journal</i> , 2016 , 293, 90-101	14.7	125
233	Can carbon-based nanomaterials revolutionize membrane fabrication for water treatment and desalination?. <i>Desalination</i> , 2016 , 391, 69-88	10.3	95
232	Development of polyamide forward osmosis membrane for humic acid removal. <i>Desalination and Water Treatment</i> , 2016 , 57, 29113-29117		1
231	Electrically conductive polymeric membranes for fouling prevention and detection: A review. <i>Desalination</i> , 2016 , 391, 1-15	10.3	114
230	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	10.3	35
229	Recent trends in membranes and membrane processes for desalination. <i>Desalination</i> , 2016 , 391, 43-60	10.3	180
228	Hybrid coagulation/UF membrane processes for brackish water treatment: Effect of pH and salt/calcium concentration. <i>Desalination</i> , 2016 , 390, 25-32	10.3	21
227	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	3.2	34
226	Numerical modelling of concentration polarisation and cake formation in membrane filtration processes. <i>Desalination</i> , 2015 , 365, 151-159	10.3	14
225	Hybrid chitosan/FeCl ₃ coagulation/UF membrane processes: Performance evaluation and membrane fouling study in removing natural organic matter. <i>Separation and Purification Technology</i> , 2015 , 152, 23-31	8.3	31
224	Water desalination by forward (direct) osmosis phenomenon: A comprehensive review. <i>Desalination</i> , 2015 , 374, 47-69	10.3	166
223	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, 184-92	7.9	34
222	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	9.6	25
221	The use of factorial design in the analysis of air-gap membrane distillation data. <i>Desalination</i> , 2015 , 367, 90-102	10.3	10
220	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	6.8	31
219	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	10.3	24
218	Membrane technology enhancement in oil/water separation. A review. <i>Desalination</i> , 2015 , 357, 197-207	10.3	714

217	A combined ion exchange nanofiltration process for water desalination: III. Pilot scale studies. <i>Desalination</i> , 2015 , 363, 58-63	10.3	15
216	Thin film composite membrane [Recent development and future potential. <i>Desalination</i> , 2015 , 356, 140-148	10.3	182
215	Characterization Methods of Thin Film Composite Nanofiltration Membranes. <i>Separation and Purification Reviews</i> , 2015 , 44, 135-156	7.3	78
214	A combined ion exchange nanofiltration process for water desalination: I. sulphate chloride ion-exchange in saline solutions. <i>Desalination</i> , 2015 , 363, 44-50	10.3	17
213	A combined ion exchange nanofiltration process for water desalination: II. Membrane selection. <i>Desalination</i> , 2015 , 363, 51-57	10.3	25
212	A review on the applicability of integrated/hybrid membrane processes in water treatment and desalination plants. <i>Desalination</i> , 2015 , 363, 2-18	10.3	251
211	Nanofiltration membranes review: Recent advances and future prospects. <i>Desalination</i> , 2015 , 356, 226-253	10.3	1014
210	A comprehensive review on surface modified polymer membranes for biofouling mitigation. <i>Desalination</i> , 2015 , 356, 187-207	10.3	372
209	Characterisation and quantification of membrane surface properties using atomic force microscopy: A comprehensive review. <i>Desalination</i> , 2015 , 356, 149-164	10.3	65
208	Boron removal from water with fractionized Amberlite IRA743 resin. <i>Desalination</i> , 2015 , 370, 1-6	10.3	49
207	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	9.6	44
206	Layer-by-layer surface modification of polyethersulfone membranes using polyelectrolytes and AgCl/TiO ₂ xerogels. <i>Journal of Membrane Science</i> , 2015 , 493, 807-819	9.6	39
205	High recovery rate NF/RO hybrid system for inland brackish water treatment. <i>Desalination</i> , 2015 , 363, 19-25	10.3	50
204	Design optimization of high performance dual stage pressure retarded osmosis. <i>Desalination</i> , 2015 , 355, 217-224	10.3	14
203	Statistical analysis of air-gap membrane desalination experimental data: Hypothesis testing. <i>Desalination</i> , 2015 , 362, 117-125	10.3	6
202	The Chemistry of Boron in Water 2015 , 35-63		14
201	Electrically conductive membranes based on carbon nanostructures for self-cleaning of biofouling. <i>Desalination</i> , 2015 , 360, 8-12	10.3	81
200	Application of Capacitive Deionisation in water desalination: A review. <i>Desalination</i> , 2014 , 342, 3-15	10.3	309

199	A novel in situ membrane cleaning method using periodic electrolysis. <i>Journal of Membrane Science</i> , 2014 , 471, 149-154	9.6	57
198	The potential of thin film nanocomposite membrane in reducing organic fouling in forward osmosis process. <i>Desalination</i> , 2014 , 348, 82-88	10.3	77
197	Dual-stage forward osmosis/pressure retarded osmosis process for hypersaline solutions and fracking wastewater treatment. <i>Desalination</i> , 2014 , 350, 79-85	10.3	31
196	Predicting the structural parameters of integrally skinned porous membranes. <i>Journal of Membrane Science</i> , 2014 , 454, 451-462	9.6	8
195	Effects of polyaniline nanoparticles in polyethersulfone ultrafiltration membranes: Fouling behaviours by different types of foulant. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 3134-3140	6.3	31
194	Description of membrane fouling characteristics during ultrafiltration of organic foulants contained in sweetwater solutions. <i>Journal of Environmental Chemical Engineering</i> , 2014 , 2, 1243-1251	6.8	7
193	Dual stage PRO process for power generation from different feed resources. <i>Desalination</i> , 2014 , 352, 118-127	10.3	18
192	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	6.7	31
191	MICROSCOPY Atomic Force Microscopy 2014 , 666-675		2
190	Underwater superoleophobic cellulose/electrospun PVDF/PI/P membranes for efficient oil/water separation. <i>Desalination</i> , 2014 , 344, 48-54	10.3	185
189	Polymeric membranes: surface modification for minimizing (bio)colloidal fouling. <i>Advances in Colloid and Interface Science</i> , 2014 , 206, 116-40	14.3	169
188	Treatment of saline solutions using Air Gap Membrane Distillation: Experimental study. <i>Desalination</i> , 2013 , 323, 2-7	10.3	37
187	Hybrid ion exchange Pressure driven membrane processes in water treatment: A review. <i>Separation and Purification Technology</i> , 2013 , 116, 253-264	8.3	85
186	A review on membrane fabrication: Structure, properties and performance relationship. <i>Desalination</i> , 2013 , 326, 77-95	10.3	606
185	Comparative study of NF and RO membranes in the treatment of produced water II: Toxicity removal efficiency. <i>Desalination</i> , 2013 , 315, 27-32	10.3	26
184	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	8.3	37
183	Comparative study of NF and RO membranes in the treatment of produced water Part I: Assessing water quality. <i>Desalination</i> , 2013 , 315, 18-26	10.3	66
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