

Ho Kyong Shon

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4204584/publications.pdf>

Version: 2024-02-01

531
papers

26,976
citations

6254

80
h-index

11308

136
g-index

536
all docs

536
docs citations

536
times ranked

15006
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical and physical aspects of natural organic matter (NOM) fouling of nanofiltration membranes. <i>Journal of Membrane Science</i> , 1997, 132, 159-181.	8.2	1,153
2	Influence of membrane surface properties on initial rate of colloidal fouling of reverse osmosis and nanofiltration membranes. <i>Journal of Membrane Science</i> , 2001, 188, 115-128.	8.2	1,010
3	Fouling and its control in membrane distillation—A review. <i>Journal of Membrane Science</i> , 2015, 475, 215-244.	8.2	776
4	Comparison of fouling behavior in forward osmosis (FO) and reverse osmosis (RO). <i>Journal of Membrane Science</i> , 2010, 365, 34-39.	8.2	645
5	Role of membrane surface morphology in colloidal fouling of cellulose acetate and composite aromatic polyamide reverse osmosis membranes. <i>Journal of Membrane Science</i> , 1997, 127, 101-109.	8.2	517
6	Effluent Organic Matter (EfOM) in Wastewater: Constituents, Effects, and Treatment. <i>Critical Reviews in Environmental Science and Technology</i> , 2006, 36, 327-374.	12.8	461
7	Membrane-based processes for wastewater nutrient recovery: Technology, challenges, and future direction. <i>Water Research</i> , 2016, 89, 210-221.	11.3	405
8	A novel low energy fertilizer driven forward osmosis desalination for direct fertigation: Evaluating the performance of fertilizer draw solutions. <i>Journal of Membrane Science</i> , 2011, 375, 172-181.	8.2	384
9	Superhydrophobic nanofiber membrane containing carbon nanotubes for high-performance direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2016, 502, 158-170.	8.2	320
10	Recent progress of membrane distillation using electrospun nanofibrous membrane. <i>Journal of Membrane Science</i> , 2014, 453, 435-462.	8.2	318
11	A comprehensive review of hybrid forward osmosis systems: Performance, applications and future prospects. <i>Journal of Membrane Science</i> , 2016, 497, 430-449.	8.2	277
12	Effect of stacking sequence on the flexural properties of hybrid composites reinforced with carbon and basalt fibers. <i>Composites Part B: Engineering</i> , 2014, 58, 251-258.	12.0	258
13	Applications of capacitive deionization: Desalination, softening, selective removal, and energy efficiency. <i>Desalination</i> , 2019, 449, 118-130.	8.2	257
14	A review of draw solutes in forward osmosis process and their use in modern applications. <i>Desalination and Water Treatment</i> , 2012, 43, 167-184.	1.0	240
15	Fouling control in a forward osmosis process integrating seawater desalination and wastewater reclamation. <i>Journal of Membrane Science</i> , 2013, 444, 148-156.	8.2	214
16	Graphene oxide incorporated polysulfone substrate for the fabrication of flat-sheet thin-film composite forward osmosis membranes. <i>Journal of Membrane Science</i> , 2015, 493, 496-507.	8.2	213
17	Anti-fouling graphene-based membranes for effective water desalination. <i>Nature Communications</i> , 2018, 9, 683.	12.8	197
18	Forward osmosis membranes and processes: A comprehensive review of research trends and future outlook. <i>Desalination</i> , 2020, 485, 114455.	8.2	194

#	ARTICLE	IF	CITATIONS
19	Semiconductor photothermal materials enabling efficient solar steam generation toward desalination and wastewater treatment. <i>Desalination</i> , 2021, 500, 114853.	8.2	179
20	A review of membrane wettability for the treatment of saline water deploying membrane distillation. <i>Desalination</i> , 2020, 479, 114312.	8.2	177
21	Blended Fertilizers as Draw Solutions for Fertilizer-Drawn Forward Osmosis Desalination. <i>Environmental Science & Technology</i> , 2012, 46, 4567-4575.	10.0	170
22	CF ₄ plasma-modified omniphobic electrospun nanofiber membrane for produced water brine treatment by membrane distillation. <i>Journal of Membrane Science</i> , 2017, 529, 234-242.	8.2	170
23	Colloidal fouling in forward osmosis: Role of reverse salt diffusion. <i>Journal of Membrane Science</i> , 2012, 390-391, 277-284.	8.2	169
24	Water desalination using graphene-enhanced electrospun nanofiber membrane via air gap membrane distillation. <i>Journal of Membrane Science</i> , 2016, 520, 99-110.	8.2	167
25	Hydrophilic polyvinyl alcohol coating on hydrophobic electrospun nanofiber membrane for high performance thin film composite forward osmosis membrane. <i>Desalination</i> , 2018, 426, 50-59.	8.2	162
26	Electrospun nanofiber membranes incorporating fluorosilane-coated TiO ₂ nanocomposite for direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2016, 520, 145-154.	8.2	161
27	Assessing the major factors affecting the performances of forward osmosis and its implications on the desalination process. <i>Chemical Engineering Journal</i> , 2013, 231, 484-496.	12.7	155
28	Towards a low-energy seawater reverse osmosis desalination plant: A review and theoretical analysis for future directions. <i>Journal of Membrane Science</i> , 2020, 595, 117607.	8.2	154
29	Combined organic and colloidal fouling in forward osmosis: Fouling reversibility and the role of applied pressure. <i>Journal of Membrane Science</i> , 2014, 460, 206-212.	8.2	152
30	Coagulation characteristics of titanium (Ti) salt coagulant compared with aluminum (Al) and iron (Fe) salts. <i>Journal of Hazardous Materials</i> , 2011, 185, 1536-1542.	12.4	147
31	Nanofiltration for water and wastewater treatment – a mini review. <i>Drinking Water Engineering and Science</i> , 2013, 6, 47-53.	0.8	145
32	Preparation of Titanium Dioxide (TiO ₂) from Sludge Produced by Titanium Tetrachloride (TiCl ₄) Flocculation of Wastewater. <i>Environmental Science & Technology</i> , 2007, 41, 1372-1377.	10.0	144
33	Adsorption characteristics of antibiotics trimethoprim on powdered and granular activated carbon. <i>Journal of Industrial and Engineering Chemistry</i> , 2010, 16, 344-349.	5.8	136
34	A novel dual-layer bicomponent electrospun nanofibrous membrane for desalination by direct contact membrane distillation. <i>Chemical Engineering Journal</i> , 2014, 256, 155-159.	12.7	134
35	Electrospun dual-layer nonwoven membrane for desalination by air gap membrane distillation. <i>Desalination</i> , 2017, 403, 187-198.	8.2	133
36	Influence of temperature and temperature difference in the performance of forward osmosis desalination process. <i>Journal of Membrane Science</i> , 2012, 415-416, 734-744.	8.2	130

#	ARTICLE	IF	CITATIONS
37	Fouling of ultrafiltration membrane by effluent organic matter: A detailed characterization using different organic fractions in wastewater. <i>Journal of Membrane Science</i> , 2006, 278, 232-238.	8.2	129
38	Recent advances in nanomaterial-modified polyamide thin-film composite membranes for forward osmosis processes. <i>Journal of Membrane Science</i> , 2019, 584, 20-45.	8.2	128
39	Pressure retarded osmosis (PRO) for integrating seawater desalination and wastewater reclamation: Energy consumption and fouling. <i>Journal of Membrane Science</i> , 2015, 483, 34-41.	8.2	126
40	Forward osmosis desalination of brackish groundwater: Meeting water quality requirements for fertigation by integrating nanofiltration. <i>Journal of Membrane Science</i> , 2013, 436, 1-15.	8.2	125
41	Removal of oil from water using magnetic bicomponent composite nanofibers fabricated by electrospinning. <i>Composites Part B: Engineering</i> , 2015, 77, 311-318.	12.0	123
42	Advanced multi-nozzle electrospun functionalized titanium dioxide/polyvinylidene fluoride-co-hexafluoropropylene (TiO ₂ /PVDF-HFP) composite membranes for direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2017, 524, 712-720.	8.2	123
43	3D printing for membrane separation, desalination and water treatment. <i>Applied Materials Today</i> , 2020, 18, 100486.	4.3	122
44	Review on methodology for determining forward osmosis (FO) membrane characteristics: Water permeability (A), solute permeability (B), and structural parameter (S). <i>Desalination</i> , 2017, 422, 5-16.	8.2	121
45	Novel membrane bioreactor (MBR) coupled with a nonwoven fabric filter for household wastewater treatment. <i>Water Research</i> , 2010, 44, 751-760.	11.3	119
46	Recovery of water and minerals from shale gas produced water by membrane distillation crystallization. <i>Water Research</i> , 2018, 129, 447-459.	11.3	119
47	Thin film composite reverse osmosis membranes prepared via layered interfacial polymerization. <i>Journal of Membrane Science</i> , 2017, 527, 121-128.	8.2	117
48	Engineering the Re-Entrant Hierarchy and Surface Energy of PDMS-PVDF Membrane for Membrane Distillation Using a Facile and Benign Microsphere Coating. <i>Environmental Science & Technology</i> , 2017, 51, 10117-10126.	10.0	114
49	Solar desalination coupled with water remediation and molecular hydrogen production: a novel solar water-energy nexus. <i>Energy and Environmental Science</i> , 2018, 11, 344-353.	30.8	111
50	Osmotic equilibrium in the forward osmosis process: Modelling, experiments and implications for process performance. <i>Journal of Membrane Science</i> , 2014, 453, 240-252.	8.2	110
51	Membrane distillation (MD) integrated with crystallization (MDC) for shale gas produced water (SGPW) treatment. <i>Desalination</i> , 2017, 403, 172-178.	8.2	110
52	Hybrid desalination processes for beneficial use of reverse osmosis brine: Current status and future prospects. <i>Desalination</i> , 2019, 454, 104-111.	8.2	109
53	Fertiliser drawn forward osmosis desalination: the concept, performance and limitations for fertigation. <i>Reviews in Environmental Science and Biotechnology</i> , 2012, 11, 147-168.	8.1	108
54	Polyaniline-based adsorbents for aqueous pollutants removal: A review. <i>Chemical Engineering Journal</i> , 2021, 418, 129425.	12.7	108

#	ARTICLE	IF	CITATIONS
55	Graphene/PVDF flat-sheet membrane for the treatment of RO brine from coal seam gas produced water by air gap membrane distillation. <i>Journal of Membrane Science</i> , 2016, 513, 74-84.	8.2	107
56	Dual-layered nanocomposite substrate membrane based on polysulfone/graphene oxide for mitigating internal concentration polarization in forward osmosis. <i>Polymer</i> , 2017, 110, 36-48.	3.8	103
57	Membrane scaling and flux decline during fertiliser-drawn forward osmosis desalination of brackish groundwater. <i>Water Research</i> , 2014, 57, 172-182.	11.3	101
58	Evaluation of fertilizer-drawn forward osmosis for sustainable agriculture and water reuse in arid regions. <i>Journal of Environmental Management</i> , 2017, 187, 137-145.	7.8	99
59	Membrane bioreactor and nanofiltration hybrid system for reclamation of municipal wastewater: Removal of nutrients, organic matter and micropollutants. <i>Bioresource Technology</i> , 2012, 122, 181-188.	9.6	98
60	Effect of sulphonated polyethersulfone substrate for thin film composite forward osmosis membrane. <i>Desalination</i> , 2016, 389, 129-136.	8.2	97
61	Effect of heat-press conditions on electrospun membranes for desalination by direct contact membrane distillation. <i>Desalination</i> , 2016, 378, 80-91.	8.2	97
62	Janus membranes for membrane distillation: Recent advances and challenges. <i>Advances in Colloid and Interface Science</i> , 2021, 289, 102362.	14.7	97
63	A review on lithium recovery using electrochemical capturing systems. <i>Desalination</i> , 2021, 500, 114883.	8.2	96
64	Preparation and Characterization of Novel Polytitanium Tetrachloride Coagulant for Water Purification. <i>Environmental Science & Technology</i> , 2013, 47, 12966-12975.	10.0	92
65	Simultaneous phosphorous and nitrogen recovery from source-separated urine: A novel application for fertiliser drawn forward osmosis. <i>Chemosphere</i> , 2018, 203, 482-489.	8.2	91
66	The effect of pretreatment to ultrafiltration of biologically treated sewage effluent: a detailed effluent organic matter (EfOM) characterization. <i>Water Research</i> , 2004, 38, 1933-1939.	11.3	90
67	Hierarchical Composite Membranes with Robust Omniphobic Surface Using Layer-By-Layer Assembly Technique. <i>Environmental Science & Technology</i> , 2018, 52, 2186-2196.	10.0	90
68	Hybrid membrane distillation: Resource, nutrient and energy recovery. <i>Journal of Membrane Science</i> , 2020, 599, 117832.	8.2	90
69	Desalination plants in Australia, review and facts. <i>Desalination</i> , 2009, 247, 1-14.	8.2	88
70	Analytical characterisation of nanoscale zero-valent iron: A methodological review. <i>Analytica Chimica Acta</i> , 2016, 903, 13-35.	5.4	87
71	A novel single-pass reverse osmosis configuration for high-purity water production and low energy consumption in seawater desalination. <i>Desalination</i> , 2018, 429, 142-154.	8.2	87
72	Relating Organic Fouling in Membrane Distillation to Intermolecular Adhesion Forces and Interfacial Surface Energies. <i>Environmental Science & Technology</i> , 2018, 52, 14198-14207.	10.0	87

#	ARTICLE	IF	CITATIONS
73	Effect of pretreatment on the fouling of membranes: application in biologically treated sewage effluent. <i>Journal of Membrane Science</i> , 2004, 234, 111-120.	8.2	86
74	Physicochemical pretreatment of seawater: fouling reduction and membrane characterization. <i>Desalination</i> , 2009, 238, 10-21.	8.2	86
75	Chloride-Mediated Enhancement in Heat-Induced Activation of Peroxymonosulfate: New Reaction Pathways for Oxidizing Radical Production. <i>Environmental Science & Technology</i> , 2021, 55, 5382-5392.	10.0	86
76	Fertiliser drawn forward osmosis process: Pilot-scale desalination of mine impaired water for fertigation. <i>Journal of Membrane Science</i> , 2016, 508, 22-31.	8.2	85
77	Adsorption and photocatalysis kinetics of herbicide onto titanium oxide and powdered activated carbon. <i>Separation and Purification Technology</i> , 2008, 58, 335-342.	7.9	84
78	Capacitive deionization (CDI) integrated with monovalent cation selective membrane for producing divalent cation-rich solution. <i>Desalination</i> , 2016, 400, 38-46.	8.2	84
79	Evaluation of poly (aspartic acid sodium salt) as a draw solute for forward osmosis. <i>Water Research</i> , 2015, 80, 294-305.	11.3	83
80	Progress on the Fabrication and Application of Electrospun Nanofiber Composites. <i>Membranes</i> , 2020, 10, 204.	3.0	83
81	Enhancement of fermentative bioenergy (ethanol/hydrogen) production using ultrasonication of <i>Scenedesmus obliquus</i> YSW15 cultivated in swine wastewater effluent. <i>Energy and Environmental Science</i> , 2011, 4, 3513.	30.8	82
82	Effect of hydraulic pressure and membrane orientation on water flux and reverse solute flux in pressure assisted osmosis. <i>Journal of Membrane Science</i> , 2014, 465, 159-166.	8.2	82
83	Preparation and characterization of visible light responsive Fe ₂ O ₃ @TiO ₂ composites. <i>Applied Surface Science</i> , 2011, 257, 5813-5819.	6.1	80
84	Boron transport in forward osmosis: Measurements, mechanisms, and comparison with reverse osmosis. <i>Journal of Membrane Science</i> , 2012, 419-420, 42-48.	8.2	80
85	Macroporous flexible polyvinyl alcohol lithium adsorbent foam composite prepared via surfactant blending and cryo-desiccation. <i>Chemical Engineering Journal</i> , 2015, 280, 536-548.	12.7	80
86	Sources, Distribution, Environmental Fate, and Ecological Effects of Nanomaterials in Wastewater Streams. <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45, 277-318.	12.8	80
87	Mixed matrix nanofiber as a flow-through membrane adsorber for continuous Li ⁺ recovery from seawater. <i>Journal of Membrane Science</i> , 2016, 510, 141-154.	8.2	79
88	Arsenic removal by a membrane hybrid filtration system. <i>Desalination</i> , 2009, 236, 363-369.	8.2	77
89	Pilot-scale evaluation of FO-RO osmotic dilution process for treating wastewater from coal-fired power plant integrated with seawater desalination. <i>Journal of Membrane Science</i> , 2017, 540, 78-87.	8.2	77
90	Removal of fluoride in membrane-based water and wastewater treatment technologies: Performance review. <i>Journal of Environmental Management</i> , 2019, 251, 109524.	7.8	76

#	ARTICLE	IF	CITATIONS
91	Adsorption and photocatalytic degradation of methylene blue over hydrogen-titanate nanofibres produced by a peroxide method. <i>Water Research</i> , 2013, 47, 4115-4125.	11.3	75
92	Potential and performance of a polydopamine-coated multiwalled carbon nanotube/polysulfone nanocomposite membrane for ultrafiltration application. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 34, 364-373.	5.8	75
93	Treatment of industrial wastewater produced by desulfurization process in a coal-fired power plant via FO-MD hybrid process. <i>Chemosphere</i> , 2018, 210, 44-51.	8.2	75
94	Pressure assisted fertiliser drawn osmosis process to enhance final dilution of the fertiliser draw solution beyond osmotic equilibrium. <i>Journal of Membrane Science</i> , 2015, 481, 63-72.	8.2	74
95	A novel electrospun, hydrophobic, and elastomeric styrene-butadiene-styrene membrane for membrane distillation applications. <i>Journal of Membrane Science</i> , 2018, 549, 420-427.	8.2	74
96	Techno-economic feasibility of recovering phosphorus, nitrogen and water from dilute human urine via forward osmosis. <i>Water Research</i> , 2019, 150, 47-55.	11.3	74
97	Influence of Flocculation and Adsorption as Pretreatment on the Fouling of Ultrafiltration and Nanofiltration Membranes: Application with Biologically Treated Sewage Effluent. <i>Environmental Science & Technology</i> , 2005, 39, 3864-3871.	10.0	73
98	Biotoxicity of nanoparticles: effect of natural organic matter. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3051-3061.	1.9	73
99	Open porous hydrophilic supported thin-film composite forward osmosis membrane via co-casting for treatment of high-salinity wastewater. <i>Desalination</i> , 2017, 405, 76-84.	8.2	72
100	Melamine-based covalent organic framework-incorporated thin film nanocomposite membrane for enhanced osmotic power generation. <i>Desalination</i> , 2019, 459, 10-19.	8.2	72
101	Recent transitions in ultrapure water (UPW) technology: Rising role of reverse osmosis (RO). <i>Desalination</i> , 2016, 399, 185-197.	8.2	71
102	Organic fouling mechanisms in forward osmosis membrane process under elevated feed and draw solution temperatures. <i>Desalination</i> , 2015, 355, 169-177.	8.2	70
103	Environmental and economic impacts of fertilizer drawn forward osmosis and nanofiltration hybrid system. <i>Desalination</i> , 2017, 416, 76-85.	8.2	70
104	Fertilizer drawn forward osmosis process for sustainable water reuse to grow hydroponic lettuce using commercial nutrient solution. <i>Separation and Purification Technology</i> , 2017, 181, 18-28.	7.9	70
105	A systematic approach to determine the fouling index for a RO/NF membrane process. <i>Desalination</i> , 2009, 238, 117-127.	8.2	69
106	Effect of solution chemistry on organic fouling of reverse osmosis membranes in seawater desalination. <i>Journal of Membrane Science</i> , 2010, 351, 205-213.	8.2	69
107	Effect of photocatalysis on the membrane hybrid system for wastewater treatment. <i>Desalination</i> , 2008, 225, 235-248.	8.2	68
108	Polyelectrolyte-promoted forward osmosis process for dye wastewater treatment – Exploring the feasibility of using polyacrylamide as draw solute. <i>Chemical Engineering Journal</i> , 2015, 264, 32-38.	12.7	68

#	ARTICLE	IF	CITATIONS
109	Membrane capacitive deionization-reverse electrodialysis hybrid system for improving energy efficiency of reverse osmosis seawater desalination. <i>Desalination</i> , 2019, 462, 19-28.	8.2	68
110	Characterisation of Fe-oxide nanoparticles coated with humic acid and Suwannee River natural organic matter. <i>Science of the Total Environment</i> , 2013, 461-462, 19-27.	8.0	67
111	Energy efficient 3D printed column type feed spacer for membrane filtration. <i>Water Research</i> , 2019, 164, 114961.	11.3	67
112	Selection of suitable fertilizer draw solute for a novel fertilizer-drawn forward osmosis anaerobic membrane bioreactor hybrid system. <i>Bioresource Technology</i> , 2016, 210, 26-34.	9.6	66
113	Surface modification of thin-film composite forward osmosis membranes with polyvinyl alcohol graphene oxide composite hydrogels for antifouling properties. <i>Desalination</i> , 2020, 491, 114591.	8.2	66
114	A pilot-scale hybrid municipal wastewater reclamation system using combined coagulation and disk filtration, ultrafiltration, and reverse osmosis: Removal of nutrients and micropollutants, and characterization of membrane foulants. <i>Bioresource Technology</i> , 2013, 141, 109-116.	9.6	64
115	Fouling characteristics of a membrane bioreactor and nanofiltration hybrid system for municipal wastewater reclamation. <i>Bioresource Technology</i> , 2013, 130, 239-247.	9.6	64
116	Improving the feasibility and applicability of flow-electrode capacitive deionization (FCDI): Review of process optimization and energy efficiency. <i>Desalination</i> , 2021, 502, 114930.	8.2	64
117	Applications of nano-porous graphene materials critical review on performance and challenges. <i>Materials Horizons</i> , 2020, 7, 1218-1245.	12.2	64
118	Recent Advances in Osmotic Energy Generation via Pressure-Retarded Osmosis (PRO): A Review. <i>Energies</i> , 2015, 8, 11821-11845.	3.1	63
119	Continuous lithium mining from aqueous resources by an adsorbent filter with a 3D polymeric nanofiber network infused with ion sieves. <i>Chemical Engineering Journal</i> , 2017, 309, 49-62.	12.7	62
120	Analysis of first flush to improve the water quality in rainwater tanks. <i>Water Science and Technology</i> , 2010, 61, 421-428.	2.5	61
121	Forward osmosis membrane modular configurations for osmotic dilution of seawater by forward osmosis and reverse osmosis hybrid system. <i>Water Research</i> , 2018, 128, 183-192.	11.3	61
122	Novel CA/PVDF nanofiber supports strategically designed via coaxial electrospinning for high performance thin-film composite forward osmosis membranes for desalination. <i>Desalination</i> , 2018, 445, 63-74.	8.2	61
123	Practical considerations for operability of an 8 m ³ spiral wound forward osmosis module: Hydrodynamics, fouling behaviour and cleaning strategy. <i>Desalination</i> , 2017, 404, 249-258.	8.2	60
124	Optimisation of a forward osmosis and membrane distillation hybrid system for the treatment of source-separated urine. <i>Separation and Purification Technology</i> , 2019, 212, 368-375.	7.9	60
125	Mechanical performance of multiscale basalt fiber epoxy laminates containing tourmaline micro/nano particles. <i>Composites Part B: Engineering</i> , 2014, 58, 611-617.	12.0	59
126	Aggregation behaviour of engineered nanoparticles in natural waters: Characterising aggregate structure using on-line laser light scattering. <i>Journal of Hazardous Materials</i> , 2015, 284, 190-200.	12.4	59

#	ARTICLE	IF	CITATIONS
127	Sustainable dewatering of grapefruit juice through forward osmosis: Improving membrane performance, fouling control, and product quality. <i>Journal of Membrane Science</i> , 2019, 578, 53-60.	8.2	59
128	Comparison of coagulation behavior and floc characteristics of titanium tetrachloride (TiCl ₄) and polyaluminum chloride (PACl) with surface water treatment. <i>Chemical Engineering Journal</i> , 2011, 166, 544-550.	12.7	58
129	Comparison of a novel polytitanium chloride coagulant with polyaluminium chloride: Coagulation performance and floc characteristics. <i>Journal of Environmental Management</i> , 2015, 147, 194-202.	7.8	58
130	Fouling evaluation and mechanisms in a FO-RO hybrid process for direct potable reuse. <i>Journal of Membrane Science</i> , 2016, 520, 89-98.	8.2	58
131	Hybrid forward osmosis-reverse osmosis for wastewater reuse and seawater desalination: Understanding the optimal feed solution to minimise fouling. <i>Chemical Engineering Research and Design</i> , 2018, 117, 523-532.	5.6	58
132	Influence of graphene oxide lateral size on the properties and performances of forward osmosis membrane. <i>Desalination</i> , 2020, 484, 114421.	8.2	58
133	New industrial application of forward osmosis (FO): Precious metal recovery from printed circuit board (PCB) plant wastewater. <i>Journal of Membrane Science</i> , 2018, 552, 234-242.	8.2	57
134	Reuse of municipal wastewater via membrane capacitive deionization using ion-selective polymer-coated carbon electrodes in pilot-scale. <i>Chemical Engineering Journal</i> , 2019, 372, 241-250.	12.7	57
135	Synthesis and characterization of multi-walled carbon nanotubes-supported dibenzo-14-crown-4 ether with proton ionizable carboxyl sidearm as Li ⁺ adsorbents. <i>Chemical Engineering Journal</i> , 2015, 264, 89-98.	12.7	56
136	Membrane capacitive deionisation as an alternative to the 2nd pass for seawater reverse osmosis desalination plant for bromide removal. <i>Desalination</i> , 2018, 433, 113-119.	8.2	56
137	Environmental and economic assessment of hybrid FO-RO/NF system with selected inorganic draw solutes for the treatment of mine impaired water. <i>Desalination</i> , 2018, 429, 96-104.	8.2	56
138	Chemical coupling of photocatalysis with flocculation and adsorption in the removal of organic matter. <i>Water Research</i> , 2005, 39, 2549-2558.	11.3	55
139	Preparation and Characterization of Titanium Dioxide (TiO ₂) from Sludge produced by TiCl ₄ Flocculation with FeCl ₃ , Al ₂ (SO ₄) ₃ and Ca(OH) ₂ Coagulant Aids in Wastewater. <i>Separation Science and Technology</i> , 2009, 44, 1525-1543.	2.5	55
140	Effects of volatile organic compounds on water recovery from produced water via vacuum membrane distillation. <i>Desalination</i> , 2018, 440, 146-155.	8.2	55
141	Evaluation of fertilizer-drawn forward osmosis for coal seam gas reverse osmosis brine treatment and sustainable agricultural reuse. <i>Journal of Membrane Science</i> , 2017, 537, 22-31.	8.2	54
142	Coagulation performance and floc characteristics of polytitanium tetrachloride (PTC) compared with titanium tetrachloride (TiCl ₄) and ferric chloride (FeCl ₃) in algal turbid water. <i>Separation and Purification Technology</i> , 2017, 175, 99-106.	7.9	54
143	Fabrication of high performance and durable forward osmosis membranes using mussel-inspired polydopamine-modified polyethylene supports. <i>Journal of Membrane Science</i> , 2019, 584, 89-99.	8.2	54
144	Aquatic toxicity evaluation of TiO ₂ nanoparticle produced from sludge of TiCl ₄ flocculation of wastewater and seawater. <i>Journal of Nanoparticle Research</i> , 2009, 11, 2087-2096.	1.9	53

#	ARTICLE	IF	CITATIONS
145	Assessing the removal of organic micro-pollutants from anaerobic membrane bioreactor effluent by fertilizer-drawn forward osmosis. <i>Journal of Membrane Science</i> , 2017, 533, 84-95.	8.2	53
146	Phosphorus removal mechanisms from domestic wastewater by membrane capacitive deionization and system optimization for enhanced phosphate removal. <i>Chemical Engineering Research and Design</i> , 2019, 126, 44-52.	5.6	53
147	Cationic polyacrylamide as coagulant aid with titanium tetrachloride for low molecule organic matter removal. <i>Journal of Hazardous Materials</i> , 2013, 258-259, 84-92.	12.4	52
148	Salinity gradient energy generation by pressure retarded osmosis: A review. <i>Desalination</i> , 2021, 500, 114841.	8.2	52
149	Preparation, characterization and application of low-cost pyrophyllite-alumina composite ceramic membranes for treating low-strength domestic wastewater. <i>Journal of Membrane Science</i> , 2017, 536, 108-115.	8.2	51
150	Engineering Heterostructured Thin-Film Nanocomposite Membrane with Functionalized Graphene Oxide Quantum Dots (GOQD) for Highly Efficient Reverse Osmosis. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38662-38673.	8.0	51
151	Coagulation and sludge recovery using titanium tetrachloride as coagulant for real water treatment: A comparison against traditional aluminum and iron salts. <i>Separation and Purification Technology</i> , 2014, 130, 19-27.	7.9	50
152	Characteristics of membrane fouling by consecutive chemical cleaning in pressurized ultrafiltration as pre-treatment of seawater desalination. <i>Desalination</i> , 2015, 369, 51-61.	8.2	49
153	Electrochemical Oxidation-Membrane Distillation Hybrid Process: Utilizing Electric Resistance Heating for Distillation and Membrane Defouling through Thermal Activation of Anodically Formed Persulfate. <i>Environmental Science & Technology</i> , 2020, 54, 1867-1877.	10.0	48
154	Inkjet printed single walled carbon nanotube as an interlayer for high performance thin film composite nanofiltration membrane. <i>Journal of Membrane Science</i> , 2021, 620, 118901.	8.2	48
155	Biomass-based photothermal materials for interfacial solar steam generation: a review. <i>Materials Today Energy</i> , 2021, 21, 100716.	4.7	48
156	Microbial community analysis of an aerobic nitrifying-denitrifying MBR treating ABS resin wastewater. <i>Bioresource Technology</i> , 2011, 102, 5337-5344.	9.6	47
157	Assessing the aggregation behaviour of iron oxide nanoparticles under relevant environmental conditions using a multi-method approach. <i>Water Research</i> , 2013, 47, 4585-4599.	11.3	47
158	Assessing the removal of organic micropollutants by a novel baffled osmotic membrane bioreactor-microfiltration hybrid system. <i>Bioresource Technology</i> , 2018, 262, 98-106.	9.6	47
159	Forward osmosis system analysis for optimum design and operating conditions. <i>Water Research</i> , 2018, 145, 429-441.	11.3	47
160	Defect-free outer-selective hollow fiber thin-film composite membranes for forward osmosis applications. <i>Journal of Membrane Science</i> , 2019, 586, 281-291.	8.2	47
161	Effect of cake layer structure on colloidal fouling in reverse osmosis membranes. <i>Desalination</i> , 2008, 220, 335-344.	8.2	46
162	Investigation of pilot-scale 8040 FO membrane module under different operating conditions for brackish water desalination. <i>Desalination and Water Treatment</i> , 2015, 53, 2782-2791.	1.0	46

#	ARTICLE	IF	CITATIONS
163	Nanoscale Pillar-Enhanced Tribological Surfaces as Antifouling Membranes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31433-31441.	8.0	46
164	Serially connected forward osmosis membrane elements of pressure-assisted forward osmosis-reverse osmosis hybrid system: Process performance and economic analysis. <i>Desalination</i> , 2018, 448, 1-12.	8.2	46
165	Comparison of physico-chemical pretreatment methods to seawater reverse osmosis: Detailed analyses of molecular weight distribution of organic matter in initial stage. <i>Journal of Membrane Science</i> , 2008, 320, 151-158.	8.2	45
166	Advanced characterization of organic foulants of ultrafiltration and reverse osmosis from water reclamation. <i>Desalination</i> , 2012, 301, 59-66.	8.2	45
167	Role of wetland organic matters as photosensitizer for degradation of micropollutants and metabolites. <i>Journal of Hazardous Materials</i> , 2014, 276, 1-9.	12.4	45
168	Changing membrane orientation in pressure retarded osmosis for sustainable power generation with low fouling. <i>Desalination</i> , 2016, 389, 197-206.	8.2	44
169	The performance of forward osmosis in treating high-salinity wastewater containing heavy metal Ni ²⁺ . <i>Chemical Engineering Journal</i> , 2016, 288, 569-576.	12.7	44
170	Palladium Recovery through Membrane Capacitive Deionization from Metal Plating Wastewater. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1692-1701.	6.7	44
171	Modeling of colloidal fouling in forward osmosis membrane: Effects of reverse draw solution permeation. <i>Desalination</i> , 2013, 314, 115-123.	8.2	43
172	Coagulation performance and floc characteristics of polytitanium tetrachloride and titanium tetrachloride compared with ferric chloride for coal mining wastewater treatment. <i>Separation and Purification Technology</i> , 2015, 152, 94-100.	7.9	43
173	Dual-layered nanocomposite membrane incorporating graphene oxide and halloysite nanotube for high osmotic power density and fouling resistance. <i>Journal of Membrane Science</i> , 2018, 564, 382-393.	8.2	43
174	Biofouling of reverse osmosis membranes: Microbial quorum sensing and fouling propensity. <i>Desalination</i> , 2009, 247, 303-315.	8.2	42
175	Anionic polymer compound bioflocculant as a coagulant aid with aluminum sulfate and titanium tetrachloride. <i>Bioresource Technology</i> , 2012, 108, 45-54.	9.6	42
176	A detailed organic matter characterization of pretreated seawater using low pressure microfiltration hybrid systems. <i>Journal of Membrane Science</i> , 2013, 428, 290-300.	8.2	42
177	Thin film composite hollow fibre forward osmosis membrane module for the desalination of brackish groundwater for fertigation. <i>Desalination</i> , 2015, 364, 108-118.	8.2	42
178	Fouling and Inactivation of Titanium Dioxide-Based Photocatalytic Systems. <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45, 1880-1915.	12.8	42
179	Modeling full-scale osmotic membrane bioreactor systems with high sludge retention and low salt concentration factor for wastewater reclamation. <i>Bioresource Technology</i> , 2015, 190, 508-515.	9.6	42
180	Nanoscale zero-valent iron (nZVI) immobilization onto graphene oxide (GO)-incorporated electrospun polyvinylidene fluoride (PVDF) nanofiber membrane for groundwater remediation via gravity-driven membrane filtration. <i>Science of the Total Environment</i> , 2019, 688, 787-796.	8.0	42

#	ARTICLE	IF	CITATIONS
181	Synthesis of N-Doped TiO ₂ for Efficient Photocatalytic Degradation of Atmospheric NO _x . <i>Catalysts</i> , 2021, 11, 109.	3.5	42
182	A novel analysis of reverse draw and feed solute fluxes in forward osmosis membrane process. <i>Desalination</i> , 2014, 352, 128-135.	8.2	41
183	Modification of Nanofiber Support Layer for Thin Film Composite forward Osmosis Membranes via Layer-by-Layer Polyelectrolyte Deposition. <i>Membranes</i> , 2018, 8, 70.	3.0	41
184	Optimizing seawater reverse osmosis with internally staged design to improve product water quality and energy efficiency. <i>Journal of Membrane Science</i> , 2018, 568, 76-86.	8.2	41
185	Human urine as a forward osmosis draw solution for the application of microalgae dewatering. <i>Journal of Hazardous Materials</i> , 2019, 378, 120724.	12.4	41
186	Recent advances in nanomaterial-incorporated nanocomposite membranes for organic solvent nanofiltration. <i>Separation and Purification Technology</i> , 2021, 268, 118657.	7.9	41
187	Effect of powdered activated carbon on integrated submerged membrane bioreactor's nanofiltration process for wastewater reclamation. <i>Bioresource Technology</i> , 2016, 210, 18-25.	9.6	40
188	Pilot-scale membrane capacitive deionisation for effective bromide removal and high water recovery in seawater desalination. <i>Desalination</i> , 2020, 479, 114309.	8.2	40
189	Evaluation of apparent membrane performance parameters in pressure retarded osmosis processes under varying draw pressures and with draw solutions containing organics. <i>Journal of Membrane Science</i> , 2015, 493, 636-644.	8.2	39
190	Analysis of an osmotically-enhanced dewatering process for the treatment of highly saline (waste)waters. <i>Journal of Membrane Science</i> , 2018, 548, 685-693.	8.2	39
191	Efficient fouling control using outer-selective hollow fiber thin-film composite membranes for osmotic membrane bioreactor applications. <i>Bioresource Technology</i> , 2019, 282, 9-17.	9.6	39
192	Volatile fatty acids and biogas recovery using thermophilic anaerobic membrane distillation bioreactor for wastewater reclamation. <i>Journal of Environmental Management</i> , 2019, 231, 833-842.	7.8	39
193	Is semi-flocculation effective as pretreatment to ultrafiltration in wastewater treatment?. <i>Water Research</i> , 2005, 39, 147-153.	11.3	38
194	Preparation and characterisation of titanium dioxide (TiO ₂) and thiourea-doped titanate nanotubes prepared from wastewater flocculated sludge. <i>Bioresource Technology</i> , 2010, 101, 1453-1458.	9.6	38
195	Treatment of medical radioactive liquid waste using Forward Osmosis (FO) membrane process. <i>Journal of Membrane Science</i> , 2018, 556, 238-247.	8.2	38
196	Co-axially electrospun superhydrophobic nanofiber membranes with 3D-hierarchically structured surface for desalination by long-term membrane distillation. <i>Journal of Membrane Science</i> , 2021, 623, 119028.	8.2	38
197	Characterisation of titanium tetrachloride and titanium sulfate flocculation in wastewater treatment. <i>Water Science and Technology</i> , 2009, 59, 2463-2473.	2.5	37
198	Coagulation performance and floc characteristics of polytitanium tetrachloride (PTC) compared with titanium tetrachloride (TiCl ₄) and iron salts in humic acid's kaolin synthetic water treatment. <i>Separation and Purification Technology</i> , 2015, 142, 155-161.	7.9	37

#	ARTICLE	IF	CITATIONS
199	Thin-film composite hollow fiber membranes incorporated with graphene oxide in polyethersulfone support layers for enhanced osmotic power density. <i>Desalination</i> , 2019, 464, 63-75.	8.2	37
200	Development of a novel method to prepare Fe- and Al-doped TiO ₂ from wastewater. <i>Journal of Industrial and Engineering Chemistry</i> , 2009, 15, 476-482.	5.8	36
201	The impacts of coagulant aid-polydimethylallylammonium chloride on coagulation performances and floc characteristics in humic acid-kaolin synthetic water treatment with titanium tetrachloride. <i>Chemical Engineering Journal</i> , 2011, 173, 376-384.	12.7	36
202	Application of osmotic backwashing in forward osmosis: mechanisms and factors involved. <i>Desalination and Water Treatment</i> , 2012, 43, 314-322.	1.0	36
203	Coagulation performance evaluation of sodium alginate used as coagulant aid with aluminum sulfate, iron chloride and titanium tetrachloride. <i>Desalination</i> , 2012, 299, 79-88.	8.2	36
204	New approach for scaling control in forward osmosis (FO) by using an antiscalant-blended draw solution. <i>Journal of Membrane Science</i> , 2017, 530, 95-103.	8.2	36
205	Influence of fertilizer draw solution properties on the process performance and microbial community structure in a side-stream anaerobic fertilizer-drawn forward osmosis ultrafiltration bioreactor. <i>Bioresource Technology</i> , 2017, 240, 149-156.	9.6	36
206	Understanding the possible underlying mechanisms for low fouling tendency of the forward osmosis and pressure assisted osmosis processes. <i>Desalination</i> , 2017, 421, 89-98.	8.2	36
207	Osmotically enhanced dewatering-reverse osmosis (OED-RO) hybrid system: Implications for shale gas produced water treatment. <i>Journal of Membrane Science</i> , 2018, 554, 282-290.	8.2	36
208	Municipal wastewater treatment by forward osmosis using seawater concentrate as draw solution. <i>Chemosphere</i> , 2019, 237, 124485.	8.2	36
209	Retardation of wetting for membrane distillation by adjusting major components of seawater. <i>Water Research</i> , 2020, 175, 115677.	11.3	36
210	A Green Synthesis of Ru Modified g-C ₃ N ₄ Nanosheets for Enhanced Photocatalytic Ammonia Synthesis. <i>Energy Material Advances</i> , 2021, 2021, .	11.0	36
211	Performance analysis of reverse osmosis, membrane distillation, and pressure-retarded osmosis hybrid processes. <i>Desalination</i> , 2016, 380, 85-92.	8.2	35
212	Thin-film composite membrane on a compacted woven backing fabric for pressure assisted osmosis. <i>Desalination</i> , 2017, 406, 98-108.	8.2	35
213	Cell Immobilized FOG-Trap System for Fat, Oil, and Grease Removal from Restaurant Wastewater. <i>Journal of Environmental Engineering, ASCE</i> , 2009, 135, 876-884.	1.4	34
214	Coagulation performance and floc characteristics with polyaluminum chloride using sodium alginate as coagulant aid: A preliminary assessment. <i>Chemical Engineering Journal</i> , 2012, 183, 387-394.	12.7	34
215	Coagulation by titanium tetrachloride for fulvic acid removal: Factors influencing coagulation efficiency and floc characteristics. <i>Desalination</i> , 2014, 335, 70-77.	8.2	34
216	Dewatering of activated sludge by forward osmosis (FO) with ultrasound for fouling control. <i>Desalination</i> , 2017, 421, 79-88.	8.2	34

#	ARTICLE	IF	CITATIONS
217	Performance of titanium salts compared to conventional FeCl ₃ for the removal of algal organic matter (AOM) in synthetic seawater: Coagulation performance, organic fraction removal and floc characteristics. <i>Journal of Environmental Management</i> , 2017, 201, 28-36.	7.8	34
218	Comprehensive analysis of a hybrid FO/crystallization/RO process for improving its economic feasibility to seawater desalination. <i>Water Research</i> , 2020, 171, 115426.	11.3	34
219	Feasibility study of reverse osmosis flow capacitive deionization (RO-FCDI) for energy-efficient desalination using seawater as the flow-electrode aqueous electrolyte. <i>Desalination</i> , 2020, 479, 114326.	8.2	34
220	3D printing for membrane desalination: Challenges and future prospects. <i>Desalination</i> , 2021, 520, 115366.	8.2	34
221	The potential of monocationic imidazolium-, phosphonium-, and ammonium-based hydrophilic ionic liquids as draw solutes for forward osmosis. <i>Desalination</i> , 2018, 444, 94-106.	8.2	33
222	Hollow Porous Silica Nanosphere with Single Large Pore Opening for Pesticide Loading and Delivery. <i>ACS Applied Nano Materials</i> , 2020, 3, 105-113.	5.0	33
223	Urine Treatment on the International Space Station: Current Practice and Novel Approaches. <i>Membranes</i> , 2020, 10, 327.	3.0	33
224	Facile development of comprehensively fouling-resistant reduced polyketone-based thin film composite forward osmosis membrane for treatment of oily wastewater. <i>Journal of Membrane Science</i> , 2021, 626, 119185.	8.2	33
225	Preparation and characterization of molecularly imprinted polymers for the selective separation of 2,4-dichlorophenoxyacetic acid. <i>Journal of Materials Science</i> , 2009, 44, 6206-6211.	3.7	32
226	Effect of pre-treatment on fouling propensity of feed as depicted by the modified fouling index (MFI) and cross-flow sampler modified fouling index (CFS-MFI). <i>Desalination</i> , 2009, 238, 98-108.	8.2	32
227	Visible light responsive ruthenium-doped titanium dioxide for the removal of metsulfuron-methyl herbicide in aqueous phase. <i>Separation and Purification Technology</i> , 2010, 75, 415-419.	7.9	32
228	Facile in situ growth of highly monodispersed Ag nanoparticles on electrospun PU nanofiber membranes: Flexible and high efficiency substrates for surface enhanced Raman scattering. <i>Applied Surface Science</i> , 2014, 308, 396-401.	6.1	32
229	Influence of colloidal fouling on pressure retarded osmosis. <i>Desalination</i> , 2016, 389, 207-214.	8.2	32
230	Performance of a novel baffled osmotic membrane bioreactor-microfiltration hybrid system under continuous operation for simultaneous nutrient removal and mitigation of brine discharge. <i>Bioresource Technology</i> , 2017, 240, 50-58.	9.6	32
231	Real-time monitoring of membrane fouling development during early stages of activated sludge membrane bioreactor operation. <i>Chemical Engineering Research and Design</i> , 2018, 120, 313-320.	5.6	32
232	High-Efficiency Solar Desalination Accompanying Electrocatalytic Conversions of Desalted Chloride and Captured Carbon Dioxide. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15320-15328.	6.7	32
233	Studying municipal solid waste generation and composition in the urban areas of Bhutan. <i>Waste Management and Research</i> , 2010, 28, 545-551.	3.9	31
234	The effect of second coagulant dose on the regrowth of flocs formed by charge neutralization and sweep coagulation using titanium tetrachloride (TiCl ₄). <i>Journal of Hazardous Materials</i> , 2011, 198, 70-77.	12.4	31

#	ARTICLE	IF	CITATIONS
235	Covalent organic framework incorporated outer-selective hollow fiber thin-film nanocomposite membranes for osmotically driven desalination. <i>Desalination</i> , 2020, 485, 114461.	8.2	31
236	High-performance and durable pressure retarded osmosis membranes fabricated using hydrophilized polyethylene separators. <i>Journal of Membrane Science</i> , 2021, 619, 118796.	8.2	31
237	Inkjet printing of graphene oxide and dopamine on nanofiltration membranes for improved anti-fouling properties and chlorine resistance. <i>Separation and Purification Technology</i> , 2021, 254, 117604.	7.9	31
238	Impact of source-separation of urine on effluent quality, energy consumption and greenhouse gas emissions of a decentralized wastewater treatment plant. <i>Chemical Engineering Research and Design</i> , 2021, 150, 298-304.	5.6	31
239	Membrane autopsy of a 10year old hollow fibre membrane from Sydney Olympic Park water reclamation plant. <i>Desalination</i> , 2011, 271, 241-247.	8.2	30
240	Development of visible light sensitive titania photocatalysts by combined nitrogen and silver doping. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 358-363.	5.8	30
241	Advanced characterization of algogenic organic matter, bacterial organic matter, humic acids and fulvic acids. <i>Water Science and Technology</i> , 2013, 67, 2228-2235.	2.5	30
242	Flux behavior and membrane fouling in pressure-assisted forward osmosis. <i>Desalination and Water Treatment</i> , 2014, 52, 564-569.	1.0	30
243	Boron transport through polyamide-based thin film composite forward osmosis membranes. <i>Desalination</i> , 2014, 340, 11-17.	8.2	30
244	Fouling potential evaluation by cake fouling index: Theoretical development, measurements, and its implications for fouling mechanisms. <i>Journal of Membrane Science</i> , 2015, 490, 57-64.	8.2	30
245	Explore the forward osmosis performance using hydrolyzed polyacrylamide as draw solute for dye wastewater reclamation in the long-term process. <i>Chemical Engineering Journal</i> , 2015, 273, 316-324.	12.7	30
246	Methane production in an anaerobic osmotic membrane bioreactor using forward osmosis: Effect of reverse salt flux. <i>Bioresource Technology</i> , 2017, 239, 285-293.	9.6	30
247	Influence of hydrodynamic operating conditions on organic fouling of spiral-wound forward osmosis membranes: Fouling-induced performance deterioration in FO-RO hybrid system. <i>Water Research</i> , 2020, 185, 116154.	11.3	30
248	Sanitation and dewatering of human urine via membrane bioreactor and membrane distillation and its reuse for fertigation. <i>Journal of Cleaner Production</i> , 2020, 270, 122390.	9.3	30
249	Hybrid multi-scale basalt fiber-epoxy composite laminate reinforced with Electrospun polyurethane nanofibers containing carbon nanotubes. <i>Fibers and Polymers</i> , 2014, 15, 1295-1302.	2.1	29
250	Exploration of polyepoxysuccinic acid as a novel draw solution in the forward osmosis process. <i>RSC Advances</i> , 2017, 7, 30687-30698.	3.6	29
251	Evaluation on suitability of osmotic dewatering through forward osmosis (FO) for xylose concentration. <i>Separation and Purification Technology</i> , 2018, 191, 225-232.	7.9	29
252	Techno-economic assessment of fertiliser drawn forward osmosis process for greenwall plants from urban wastewater. <i>Chemical Engineering Research and Design</i> , 2019, 127, 180-188.	5.6	29

#	ARTICLE	IF	CITATIONS
253	Size-controlled graphene oxide for highly permeable and fouling-resistant outer-selective hollow fiber thin-film composite membranes for forward osmosis. <i>Journal of Membrane Science</i> , 2020, 609, 118171.	8.2	29
254	Experimental and theoretical investigation of a high performance PTFE membrane for vacuum-membrane distillation. <i>Journal of Membrane Science</i> , 2021, 617, 118524.	8.2	29
255	Biofouling characteristics using flow field-flow fractionation: Effect of bacteria and membrane properties. <i>Bioresource Technology</i> , 2010, 101, 1487-1493.	9.6	28
256	Influence of different ion types and membrane orientations on the forward osmosis performance. <i>Desalination</i> , 2014, 344, 123-128.	8.2	28
257	Influence of the process parameters on hollow fiber-forward osmosis membrane performances. <i>Desalination and Water Treatment</i> , 2015, 54, 817-828.	1.0	28
258	The performance of forward osmosis process in treating the surfactant wastewater: The rejection of surfactant, water flux and physical cleaning effectiveness. <i>Chemical Engineering Journal</i> , 2015, 281, 688-695.	12.7	28
259	Fertilizer-drawn forward osmosis for irrigation of tomatoes. <i>Desalination and Water Treatment</i> , 2015, 53, 2746-2759.	1.0	28
260	Improving Nanofiber Membrane Characteristics and Membrane Distillation Performance of Heat-Pressed Membranes via Annealing Post-Treatment. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 78.	2.5	28
261	Quantitative analysis of the irreversible membrane fouling of forward osmosis during wastewater reclamation: Correlation with the modified fouling index. <i>Journal of Membrane Science</i> , 2020, 597, 117757.	8.2	28
262	Impact of reverse nutrient diffusion on membrane biofouling in fertilizer-drawn forward osmosis. <i>Journal of Membrane Science</i> , 2017, 539, 108-115.	8.2	28
263	Pilot-scale nanofiltration system as post-treatment for fertilizer-drawn forward osmosis desalination for direct fertigation. <i>Desalination and Water Treatment</i> , 2013, 51, 6265-6273.	1.0	27
264	Forward osmosis for the treatment of reverse osmosis concentrate from water reclamation: process performance and fouling control. <i>Water Science and Technology</i> , 2014, 69, 2431-2437.	2.5	27
265	Nano-colloidal fouling mechanisms in seawater reverse osmosis process evaluated by cake resistance simulator-modified fouling index nanofiltration. <i>Desalination</i> , 2014, 343, 88-96.	8.2	27
266	Fouling distribution in forward osmosis membrane process. <i>Journal of Environmental Sciences</i> , 2014, 26, 1348-1354.	6.1	27
267	Tetrabutylammonium 2,4,6-trimethylbenzenesulfonate as an effective and regenerable thermo-responsive ionic liquid drawing agent in forward osmosis for seawater desalination. <i>Desalination</i> , 2020, 495, 114635.	8.2	27
268	Utilization of plasma in water desalination and purification. <i>Desalination</i> , 2021, 500, 114903.	8.2	27
269	Physico-chemical pretreatment to seawater reverse osmosis (SWRO): organic characterization and membrane autopsy. <i>Desalination</i> , 2009, 236, 282-290.	8.2	26
270	Assessing membrane fouling potential of humic acid using flow field-flow fractionation. <i>Journal of Membrane Science</i> , 2011, 373, 64-73.	8.2	26

#	ARTICLE	IF	CITATIONS
271	Effect of shear force, solution pH and breakage period on characteristics of flocs formed by Titanium tetrachloride (TiCl ₄) and Polyaluminum chloride (PACl) with surface water treatment. Journal of Hazardous Materials, 2011, 187, 495-501.	12.4	26
272	Evaluating the mobility of polymer-stabilised zero-valent iron nanoparticles and their potential to co-transport contaminants in intact soil cores. Environmental Pollution, 2016, 216, 636-645.	7.5	26
273	1.16 Electrospinning for Membrane Fabrication: Strategies and Applications. , 2017, , 418-444.		26
274	Understanding the organic micropollutants transport mechanisms in the fertilizer-drawn forward osmosis process. Journal of Environmental Management, 2019, 248, 109240.	7.8	26
275	The effect of Schiff base network on the separation performance of thin film nanocomposite forward osmosis membranes. Separation and Purification Technology, 2019, 217, 284-293.	7.9	26
276	Enhanced water permeability and osmotic power generation with sulfonate-functionalized porous polymer-incorporated thin film nanocomposite membranes. Desalination, 2020, 496, 114756.	8.2	26
277	Removal of Organic Micro-Pollutants by Conventional Membrane Bioreactors and High-Retention Membrane Bioreactors. Applied Sciences (Switzerland), 2020, 10, 2969.	2.5	26
278	Conceptual design of a dynamic turbospacer for efficient low pressure membrane filtration. Desalination, 2020, 496, 114712.	8.2	26
279	Performance comparison of thin-film composite forward osmosis membranes. Desalination and Water Treatment, 2013, 51, 6274-6280.	1.0	25
280	Modeling methane production in anaerobic forward osmosis bioreactor using a modified anaerobic digestion model No. 1. Bioresource Technology, 2018, 264, 211-218.	9.6	25
281	Efficient recovery of nitrate from municipal wastewater via MCDI using anion-exchange polymer coated electrode embedded with nitrate selective resin. Desalination, 2020, 484, 114425.	8.2	25
282	In situ ultrathin silica layer formation on polyamide thin-film composite membrane surface for enhanced forward osmosis performances. Journal of Membrane Science, 2021, 620, 118876.	8.2	25
283	Novel hole-pillar spacer design for improved hydrodynamics and biofouling mitigation in membrane filtration. Scientific Reports, 2021, 11, 6979.	3.3	25
284	In situ engineering of an ultrathin polyamphoteric layer on polyketone-based thin film composite forward osmosis membrane for comprehensive anti-fouling performance. Separation and Purification Technology, 2021, 272, 118922.	7.9	25
285	Biofilter as pretreatment to membrane based desalination: Evaluation in terms of fouling index. Desalination, 2009, 247, 77-84.	8.2	24
286	Novel pre-treatment method for seawater reverse osmosis: Fibre media filtration. Desalination, 2010, 250, 557-561.	8.2	24
287	Assessment of pretreatment to microfiltration for desalination in terms of fouling index and molecular weight distribution. Desalination, 2010, 250, 644-647.	8.2	24
288	Removal of natural organic matter by titanium tetrachloride: The effect of total hardness and ionic strength. Journal of Environmental Management, 2014, 134, 20-29.	7.8	24

#	ARTICLE	IF	CITATIONS
289	Recyclable nanoscale zerovalent iron (nZVI)-immobilized electrospun nanofiber composites with improved mechanical strength for groundwater remediation. <i>Composites Part B: Engineering</i> , 2019, 171, 339-346.	12.0	24
290	In-line flocculation-“filtration as pre-treatment to reverse osmosis desalination. <i>Desalination</i> , 2009, 247, 85-93.	8.2	23
291	Analysis of enhancing water flux and reducing reverse solute flux in pressure assisted forward osmosis process. <i>Desalination</i> , 2017, 421, 61-71.	8.2	23
292	Sulfur-containing air pollutants as draw solution for fertilizer drawn forward osmosis desalination process for irrigation use. <i>Desalination</i> , 2017, 424, 1-9.	8.2	23
293	Analytical methods of size distribution for organic matter in water and wastewater. <i>Korean Journal of Chemical Engineering</i> , 2006, 23, 581-591.	2.7	22
294	Preparation of Titanium Dioxide Nanoparticles from Electrocoagulated Sludge using Sacrificial Titanium Electrodes. <i>Environmental Science & Technology</i> , 2010, 44, 5553-5557.	10.0	22
295	Wastewater management in urban Bhutan: Assessing the current practices and challenges. <i>Chemical Engineering Research and Design</i> , 2019, 132, 82-93.	5.6	22
296	Employing the synergistic effect between aquaporin nanostructures and graphene oxide for enhanced separation performance of thin-film nanocomposite forward osmosis membranes. <i>Desalination</i> , 2021, 498, 114795.	8.2	22
297	Effect of graphene oxide quantum dots on the interfacial polymerization of a thin-film nanocomposite forward osmosis membrane: An experimental and molecular dynamics study. <i>Journal of Membrane Science</i> , 2021, 630, 119309.	8.2	22
298	Membrane-flocculation-adsorption hybrid system in wastewater treatment: micro and nano size organic matter removal. <i>Water Science and Technology</i> , 2004, 50, 265-271.	2.5	21
299	Floc characteristics of titanium tetrachloride (TiCl ₄) compared with aluminum and iron salts in humic acid-“kaolin synthetic water treatment. <i>Separation and Purification Technology</i> , 2011, 81, 332-338.	7.9	21
300	Solar-powered electrocoagulation system for water and wastewater treatment. <i>Desalination and Water Treatment</i> , 2011, 32, 381-388.	1.0	21
301	TiO ₂ nanoparticles and nanofibres from TiCl ₄ flocculated sludge: Characterisation and photocatalytic activity. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 1033-1038.	5.8	21
302	Concentrating underground brine by FO process: Influence of membrane types and spacer on membrane scaling. <i>Chemical Engineering Journal</i> , 2016, 285, 92-100.	12.7	21
303	Effect of high salinity on the performance of forward osmosis: Water flux, membrane scaling and removal efficiency. <i>Desalination</i> , 2016, 378, 67-73.	8.2	21
304	An integrated system for CO ₂ capture and water treatment by forward osmosis driven by an amine-based draw solution. <i>Journal of Membrane Science</i> , 2019, 581, 9-17.	8.2	21
305	Evaluation of a real-time visualization system for scaling detection during DCMD, and its correlation with wetting. <i>Desalination</i> , 2019, 454, 59-70.	8.2	21
306	Hollow fiber membranes with hierarchical spherulite surface structure developed by thermally induced phase separation using triple-orifice spinneret for membrane distillation. <i>Journal of Membrane Science</i> , 2021, 618, 118586.	8.2	21

#	ARTICLE	IF	CITATIONS
307	Aliphatic polyketone-based thin film composite membrane with mussel-inspired polydopamine intermediate layer for high performance osmotic power generation. <i>Desalination</i> , 2021, 516, 115222.	8.2	21
308	Ammonia recovery from human urine as liquid fertilizers in hollow fiber membrane contactor: Effects of permeate chemistry. <i>Environmental Engineering Research</i> , 2021, 26, .	2.5	21
309	Gravity driven membrane filtration system to improve the water quality in rainwater tanks. <i>Water Science and Technology: Water Supply</i> , 2013, 13, 479-485.	2.1	20
310	Preparation and characterization of LA/PCL composite fibers containing beta tricalcium phosphate (β -TCP) particles. <i>Ceramics International</i> , 2014, 40, 5049-5054.	4.8	20
311	Polytitanium sulfate (PTS): Coagulation application and Ti species detection. <i>Journal of Environmental Sciences</i> , 2017, 52, 250-258.	6.1	20
312	Mesoporous carbon for efficient removal of microcystin-LR in drinking water sources, Nak-Dong River, South Korea: Application to a field-scale drinking water treatment plant. <i>Chemosphere</i> , 2018, 193, 883-891.	8.2	20
313	Improving membrane distillation performance: Morphology optimization of hollow fiber membranes with selected non-solvent in dope solution. <i>Chemosphere</i> , 2019, 230, 117-126.	8.2	20
314	Facile synthesis and characterization of anatase TiO ₂ /g-CN composites for enhanced photoactivity under UV- α visible spectrum. <i>Chemosphere</i> , 2021, 262, 128004.	8.2	20
315	Forward osmosis with direct contact membrane distillation using tetrabutylphosphonium p-toluenesulfonate as an effective and safe thermo-recyclable osmotic agent for seawater desalination. <i>Chemosphere</i> , 2021, 263, 128070.	8.2	20
316	An ambitious step to the future desalination technology: SEAHERO R&D program (2007-2012). <i>Applied Water Science</i> , 2011, 1, 11-17.	5.6	19
317	Comparative study of floc characteristics with titanium tetrachloride against conventional coagulants: Effect of coagulant dose, solution pH, shear force and break-up period. <i>Chemical Engineering Journal</i> , 2013, 233, 70-79.	12.7	19
318	Effects of NF treated water on corrosion of pipe distribution system and its implications to blending with conventionally treated water. <i>Desalination</i> , 2015, 360, 138-145.	8.2	19
319	Role of transparent exopolymer particles (TEP) in initial bacterial deposition and biofilm formation on reverse osmosis (RO) membrane. <i>Journal of Membrane Science</i> , 2015, 494, 25-31.	8.2	19
320	Rainwater Harvesting System for Continuous Water Supply to the Regions with High Seasonal Rainfall Variations. <i>Water Resources Management</i> , 2015, 29, 961-972.	3.9	19
321	Fatty acid fouling of forward osmosis membrane: Effects of pH, calcium, membrane orientation, initial permeate flux and foulant composition. <i>Journal of Environmental Sciences</i> , 2016, 46, 55-62.	6.1	19
322	Dehydration of forward osmosis membranes in treating high salinity wastewaters: Performance and implications. <i>Journal of Membrane Science</i> , 2016, 498, 365-373.	8.2	19
323	GreenPRO: A novel fertiliser-driven osmotic power generation process for fertigation. <i>Desalination</i> , 2018, 447, 158-166.	8.2	19
324	Bromide and iodide selectivity in membrane capacitive deionisation, and its potential application to reduce the formation of disinfection by-products in water treatment. <i>Chemosphere</i> , 2019, 234, 536-544.	8.2	19

#	ARTICLE	IF	CITATIONS
325	Influence of silica nanoparticles on the desalination performance of forward osmosis polybenzimidazole membranes. <i>Desalination</i> , 2020, 491, 114441.	8.2	19
326	Synthesis and NO _x removal performance of anatase Sâ€“TiO ₂ /g-CN heterojunction formed from dye wastewater sludge. <i>Chemosphere</i> , 2021, 275, 130020.	8.2	19
327	Inkjet printed polyelectrolyte multilayer membrane using a polyketone support for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2022, 642, 119943.	8.2	19
328	Novel organic solvent nanofiltration membrane based on inkjet printing-assisted layer-by-layer assembly. <i>Journal of Membrane Science</i> , 2022, 655, 120582.	8.2	19
329	Comparison of granular activated carbon bio-sorption and advanced oxidation processes in the treatment of leachate effluent. <i>Korean Journal of Chemical Engineering</i> , 2009, 26, 724-730.	2.7	18
330	Hybrid filtration method for pre-treatment of seawater reverse osmosis (SWRO). <i>Desalination</i> , 2009, 247, 15-24.	8.2	18
331	Recovery of sludge produced from Ti-salt flocculation as pretreatment to seawater reverse osmosis. <i>Desalination</i> , 2009, 247, 53-63.	8.2	18
332	Magnetised titanium dioxide (TiO ₂) for water purification: preparation, characterisation and application. <i>Desalination and Water Treatment</i> , 2015, 54, 979-1002.	1.0	18
333	A closed-loop forward osmosis-nanofiltration hybrid system: Understanding process implications through full-scale simulation. <i>Desalination</i> , 2017, 421, 169-178.	8.2	18
334	Comprehensive analysis of a hybrid FO-NF-RO process for seawater desalination: With an NF-like FO membrane. <i>Desalination</i> , 2021, 515, 115203.	8.2	18
335	Thermo-osmosis-Coupled Thermally Regenerative Electrochemical Cycle for Efficient Lithium Extraction. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 6276-6285.	8.0	18
336	Preparation of titanium oxide, iron oxide, and aluminium oxide from sludge generated from Ti-salt, Fe-salt and Al-salt flocculation of wastewater. <i>Journal of Industrial and Engineering Chemistry</i> , 2009, 15, 719-723.	5.8	17
337	NO removal of mortar mixed with titania produced from Ti-salt flocculated sludge. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 3851-3856.	5.8	17
338	Performance of a Novel Fertilizer-Drawn Forward Osmosis Aerobic Membrane Bioreactor (FDFO-MBR): Mitigating Salinity Build-Up by Integrating Microfiltration. <i>Water (Switzerland)</i> , 2017, 9, 21.	2.7	17
339	Evaluation of ethanol as draw solute for forward osmosis (FO) process of highly saline (waste)water. <i>Desalination</i> , 2019, 456, 23-31.	8.2	17
340	Removal behaviors and fouling mechanisms of charged antibiotics and nanoparticles on forward osmosis membrane. <i>Journal of Environmental Management</i> , 2019, 247, 385-393.	7.8	17
341	Indexing fouling reversibility in forward osmosis and its implications for sustainable operation of wastewater reclamation. <i>Journal of Membrane Science</i> , 2019, 574, 262-269.	8.2	17
342	Energy recovery through reverse electrodialysis: Harnessing the salinity gradient from the flushing of human urine. <i>Water Research</i> , 2020, 186, 116320.	11.3	17

#	ARTICLE	IF	CITATIONS
343	In Situ-Generated Reactive Oxygen Species in Precharged Titania and Tungsten Trioxide Composite Catalyst Membrane Filters: Application to As(III) Oxidation in the Absence of Irradiation. <i>Environmental Science & Technology</i> , 2020, 54, 9601-9608.	10.0	17
344	Comprehensive review of osmotic dilution/concentration using FO membranes for practical applications. <i>Desalination</i> , 2021, 515, 115190.	8.2	17
345	Dynamic feed spacer for fouling minimization in forward osmosis process. <i>Desalination</i> , 2021, 515, 115198.	8.2	17
346	Is lithium brine water?. <i>Desalination</i> , 2021, 518, 115169.	8.2	17
347	Preparation of effective lithium-ion sieve from sludge-generated TiO ₂ . <i>Desalination</i> , 2022, 525, 115491.	8.2	17
348	Characteristics of bio-foulants in the membrane bioreactor. <i>Desalination</i> , 2006, 200, 201-202.	8.2	16
349	Effect of partial flocculation and adsorption as pretreatment to ultrafiltration. <i>AIChE Journal</i> , 2006, 52, 207-216.	3.6	16
350	Combining high performance fertiliser with surfactants to reduce the reverse solute flux in the fertiliser drawn forward osmosis process. <i>Journal of Environmental Management</i> , 2018, 226, 217-225.	7.8	16
351	Understanding possible underlying mechanism in declining germicidal efficiency of UV-LED reactor. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 185, 136-142.	3.8	16
352	Analysis of mass transfer behavior in membrane distillation: Mathematical modeling under various conditions. <i>Chemosphere</i> , 2019, 236, 124289.	8.2	16
353	Polyvinylidene fluoride phase design by two-dimensional boron nitride enables enhanced performance and stability for seawater desalination. <i>Journal of Membrane Science</i> , 2020, 598, 117669.	8.2	16
354	Improving energy efficiency of pretreatment for seawater desalination during algal blooms using a novel meshed tube filtration process. <i>Desalination</i> , 2020, 486, 114477.	8.2	16
355	Forward osmosis system design and optimization using a commercial cellulose triacetate hollow fibre membrane module for energy efficient desalination. <i>Desalination</i> , 2021, 510, 115075.	8.2	16
356	Removal of pharmaceuticals from nitrified urine. <i>Chemosphere</i> , 2021, 280, 130870.	8.2	16
357	Chemically Cross-Linked Graphene Oxide as a Selective Layer on Electrospun Polyvinyl Alcohol Nanofiber Membrane for Nanofiltration Application. <i>Nanomaterials</i> , 2021, 11, 2867.	4.1	16
358	Fertiliser recovery from source-separated urine via membrane bioreactor and heat localized solar evaporation. <i>Water Research</i> , 2021, 207, 117810.	11.3	16
359	Inorganic scaling in the treatment of shale gas wastewater by fertilizer drawn forward osmosis process. <i>Desalination</i> , 2022, 521, 115396.	8.2	16
360	Elucidation of physicochemical scaling mechanisms in membrane distillation (MD): Implication to the control of inorganic fouling. <i>Desalination</i> , 2022, 527, 115573.	8.2	16

#	ARTICLE	IF	CITATIONS
361	Water quality characterisation of rainwater in tanks at different times and locations. <i>Water Science and Technology</i> , 2010, 61, 429-439.	2.5	15
362	Charge effect of natural organic matter for ultrafiltration and nanofiltration membranes. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 109-113.	5.8	15
363	Fouling of forward osmosis membrane by protein (BSA): effects of pH, calcium, ionic strength, initial permeate flux, membrane orientation and foulant composition. <i>Desalination and Water Treatment</i> , 2016, 57, 13415-13424.	1.0	15
364	Evaluating the effect of different draw solutes in a baffled osmotic membrane bioreactor-microfiltration using optical coherence tomography with real wastewater. <i>Bioresource Technology</i> , 2018, 263, 306-316.	9.6	15
365	Nanostructured Biomass Based Carbon Materials from Beer Lees for Hydrogen Storage. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 2196-2199.	0.9	15
366	Controlling the inner surface pore and spherulite structures of PVDF hollow fiber membranes in thermally induced phase separation using triple-orifice spinneret for membrane distillation. <i>Separation and Purification Technology</i> , 2021, 258, 117988.	7.9	15
367	Hydrophilic/Hydrophobic Silane Grafting on TiO ₂ Nanoparticles: Photocatalytic Paint for Atmospheric Cleaning. <i>Catalysts</i> , 2021, 11, 193.	3.5	15
368	Supramolecular host-guest complex of methylated β -cyclodextrin with polymerized ionic liquid ([vbim]TFSI) as highly effective and energy-efficient thermo-regenerable draw solutes in forward osmosis. <i>Chemical Engineering Journal</i> , 2021, 411, 128520.	12.7	15
369	Effect of a hydrodynamic cleaning of a cross-flow membrane system with a novel automated approach. <i>Desalination</i> , 2007, 202, 351-360.	8.2	14
370	Role of Foulant-Membrane Interactions in Organic Fouling of RO Membranes with Respect to Membrane Properties. <i>Separation Science and Technology</i> , 2010, 45, 948-955.	2.5	14
371	Enhancement of nanoscale zero-valent iron immobilization onto electrospun polymeric nanofiber mats for groundwater remediation. <i>Chemical Engineering Research and Design</i> , 2017, 112, 200-208.	5.6	14
372	Titanium tetrachloride for silver nanoparticle-humic acid composite contaminant removal in coagulation-ultrafiltration hybrid process: floc property and membrane fouling. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1757-1768.	5.3	14
373	Simultaneous nitrification-denitrification using baffled osmotic membrane bioreactor-microfiltration hybrid system at different oxic-anoxic conditions for wastewater treatment. <i>Journal of Environmental Management</i> , 2020, 253, 109685.	7.8	14
374	Free-standing, thin-film, symmetric membranes: Next-generation membranes for engineered osmosis. <i>Journal of Membrane Science</i> , 2020, 607, 118145.	8.2	14
375	Enhanced capacitive deionization using a biochar-integrated novel flow-electrode. <i>Desalination</i> , 2022, 528, 115636.	8.2	14
376	A new approach to the characterization of reverse osmosis membrane by dynamic hysteresis. <i>Desalination and Water Treatment</i> , 2010, 18, 257-263.	1.0	13
377	Recycling of excess sludge using titanium tetrachloride (TiCl ₄) as a flocculant aid with alkaline-thermal hydrolysis. <i>Journal of Industrial and Engineering Chemistry</i> , 2010, 16, 96-100.	5.8	13
378	Photodesorption of organic matter from titanium dioxide particles in aqueous media. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 1774-1780.	5.8	13

#	ARTICLE	IF	CITATIONS
379	Surface chemical heterogeneity of polyamide RO membranes: Measurements and implications. <i>Desalination</i> , 2015, 367, 154-160.	8.2	13
380	Tuning the nanostructure of nitrogen-doped graphene laminates for forward osmosis desalination. <i>Nanoscale</i> , 2019, 11, 22025-22032.	5.6	13
381	Fabrication of porous polyketone forward osmosis membranes modified with aromatic compounds: Improved pressure resistance and low structural parameter. <i>Separation and Purification Technology</i> , 2020, 251, 117400.	7.9	13
382	Atmospheric-pressure plasma seawater desalination: Clean energy, agriculture, and resource recovery nexus for a blue planet. <i>Sustainable Materials and Technologies</i> , 2020, 25, e00181.	3.3	13
383	Exploring shredded waste PET bottles as a biofilter media for improved on-site sanitation. <i>Chemical Engineering Research and Design</i> , 2021, 148, 370-381.	5.6	13
384	Visible light activation of photocatalysts formed from the heterojunction of sludge-generated TiO ₂ and g-CN towards NO removal. <i>Journal of Hazardous Materials</i> , 2022, 422, 126919.	12.4	13
385	Removal of Pharmaceutical Pollutants from Wastewater Using 2D Covalent Organic Frameworks (COFs): An In Silico Engineering Study. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 8809-8820.	3.7	13
386	Preparation and characterization of titania nanoparticle produced from Ti-flocculated sludge with paper mill wastewater. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 277-281.	5.8	12
387	Two stage filtration for stormwater treatment: a pilot scale study. <i>Desalination and Water Treatment</i> , 2012, 45, 361-369.	1.0	12
388	Water flux behavior of blended solutions of ammonium bicarbonate mixed with eight salts respectively as draw solutions in forward osmosis. <i>Desalination</i> , 2014, 353, 39-47.	8.2	12
389	Evaluation of membrane-based desalting processes for RO brine treatment. <i>Desalination and Water Treatment</i> , 2016, 57, 7432-7439.	1.0	12
390	The effects of naturally occurring operation factors on the removal mechanism of major algae metabolized materials in forward osmosis process. <i>Journal of Cleaner Production</i> , 2019, 239, 118009.	9.3	12
391	Fouling and performance of outer selective hollow fiber membrane in osmotic membrane bioreactor: Cross flow and air scouring effects. <i>Bioresource Technology</i> , 2020, 295, 122303.	9.6	12
392	Controlling spherulitic structures at surface and sub-layer of hollow fiber membranes prepared using nucleation agents via triple-orifice spinneret in TIPS process. <i>Journal of Membrane Science</i> , 2020, 609, 118229.	8.2	12
393	Critical flux on a submerged membrane bioreactor for nitrification of source separated urine. <i>Chemical Engineering Research and Design</i> , 2021, 153, 518-526.	5.6	12
394	Effect of flocculation as a pretreatment to photocatalysis in the removal of organic matter from wastewater. <i>Separation and Purification Technology</i> , 2007, 56, 388-391.	7.9	11
395	Agglomeration behaviour of titanium dioxide nanoparticles in river waters: A multi-method approach combining light scattering and field-flow fractionation techniques. <i>Journal of Environmental Management</i> , 2015, 159, 135-142.	7.8	11
396	Performances of PA hollow fiber membrane with the CTA flat sheet membrane for forward osmosis process. <i>Desalination and Water Treatment</i> , 2015, 53, 1744-1754.	1.0	11

#	ARTICLE	IF	CITATIONS
397	Preparation and Characterization of Photoactive Anatase TiO ₂ from Algae Bloomed Surface Water. Catalysts, 2020, 10, 452.	3.5	11
398	Sustainable engineering of sewers and sewage treatment plants for scenarios with urine diversion. Journal of Hazardous Materials, 2021, 415, 125609.	12.4	11
399	On-site domestic wastewater treatment system using shredded waste plastic bottles as biofilter media: Pilot-scale study on effluent standards in Bhutan. Chemosphere, 2022, 286, 131729.	8.2	11
400	Green ammonia synthesis using CeO ₂ /RuO ₂ nanolayers on vertical graphene catalyst <i>via</i> electrochemical route in alkaline electrolyte. Nanoscale, 2022, 14, 1395-1408.	5.6	11
401	Heterogeneous asymmetric passable cavities within graphene oxide nanochannels for highly efficient lithium sieving. Desalination, 2022, 538, 115888.	8.2	11
402	Isolation and characterization of sulfur-utilizing denitrifiers from the sulfur-oxidizing denitrification process. Biotechnology Letters, 2003, 25, 1605-1608.	2.2	10
403	Characterization of coagulation behavior of titanium tetrachloride coagulant for high and low molecule weight natural organic matter removal: The effect of second dosing. Chemical Engineering Journal, 2013, 228, 516-525.	12.7	10
404	Household rainwater harvesting system â€“ pilot scale gravity driven membrane-based filtration system. Water Science and Technology: Water Supply, 2013, 13, 790-797.	2.1	10
405	Understanding the risk of scaling and fouling in hollow fiber forward osmosis membrane application. Chemical Engineering Research and Design, 2016, 104, 452-464.	5.6	10
406	Preparation and characterization of TiO ₂ generated from synthetic wastewater using TiCl ₄ based coagulation/flocculation aided with Ca(OH) ₂ . Journal of Environmental Management, 2019, 250, 109521.	7.8	10
407	Effect of Brine Water on Discharge of Cations in Membrane Capacitive Deionization and Its Implications on Nitrogen Recovery from Wastewater. ACS Sustainable Chemistry and Engineering, 2019, 7, 11474-11484.	6.7	10
408	From the Laboratory to Full-Scale Applications of Forward Osmosis: Research Challenges and Opportunities. Current Pollution Reports, 2019, 5, 337-352.	6.6	10
409	Energy recovery modeling of pressure-retarded osmosis systems with membrane modules compatible with high salinity draw streams. Desalination, 2020, 493, 114624.	8.2	10
410	Application of fouling index for forward osmosis hybrid system: A pilot demonstration. Journal of Membrane Science, 2021, 617, 118624.	8.2	10
411	Submerged versus side-stream osmotic membrane bioreactors using an outer-selective hollow fiber osmotic membrane for desalination. Desalination, 2021, 515, 115196.	8.2	10
412	Brine management systems using membrane concentrators: Future directions for membrane development in desalination. Desalination, 2022, 535, 115839.	8.2	10
413	Evaluation of biofouling potential of microorganism using flow field-flow fractionation (F-FFF). Desalination, 2010, 264, 236-242.	8.2	9
414	Titania Nanomaterials Produced from Ti-Salt Flocculated Sludge in Water Treatment. Catalysis Surveys From Asia, 2011, 15, 117-126.	2.6	9

#	ARTICLE	IF	CITATIONS
415	Preparation of titania-containing photocatalysts from metallurgical slag waste and photodegradation of 2,4-dichlorophenol. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 461-467.	5.8	9
416	Measuring treatment effectiveness of urban wetland using hybrid water quality " Artificial neural network (ANN) model. <i>Desalination and Water Treatment</i> , 2011, 32, 284-290.	1.0	9
417	Fabricating robust thin film composite membranes reinforced on woven mesh backing fabric support for pressure assisted and forward osmosis: A dataset. <i>Data in Brief</i> , 2018, 21, 364-370.	1.0	9
418	Core-Shell Interface-Oriented Synthesis of Bowl-Structured Hollow Silica Nanospheres Using Self-Assembled ABC Triblock Copolymeric Micelles. <i>Langmuir</i> , 2018, 34, 13584-13596.	3.5	9
419	ASTM Standard Modified Fouling Index for Seawater Reverse Osmosis Desalination Process: Status, Limitations, and Perspectives. <i>Separation and Purification Reviews</i> , 2020, 49, 55-67.	5.5	9
420	Rejection of harsh pH saline solutions using graphene membranes. <i>Carbon</i> , 2021, 171, 240-247.	10.3	9
421	Hybrid polymer/ionic liquid electrospun membranes with tunable surface charge for virus capture in aqueous environments. <i>Journal of Water Process Engineering</i> , 2021, 43, 102278.	5.6	9
422	Electrode for selective bromide removal in membrane capacitive deionisation. <i>Chemosphere</i> , 2022, 287, 132169.	8.2	9
423	Sulfuric Acid Treated g-CN as a Precursor to Generate High-Efficient g-CN for Hydrogen Evolution from Water under Visible Light Irradiation. <i>Catalysts</i> , 2021, 11, 37.	3.5	9
424	Incorporation of negatively charged silver nanoparticles in outer-selective hollow fiber forward osmosis (OSHF-FO) membrane for wastewater dewatering. <i>Desalination</i> , 2022, 522, 115402.	8.2	9
425	Removal of pharmaceutical compounds from synthetic hydrolysed urine using granular activated carbon: Column study and predictive modelling. <i>Journal of Water Process Engineering</i> , 2022, 45, 102480.	5.6	9
426	Predicting the performance of spiral-wound membranes in pressure-retarded osmosis processes. <i>Renewable Energy</i> , 2022, 189, 66-77.	8.9	9
427	Capability of Organically Modified Montmorillonite Nanoclay as a Carrier for Imidacloprid Delivery. <i>ACS Agricultural Science and Technology</i> , 2022, 2, 57-68.	2.3	9
428	Impact of source-separation of urine on treatment capacity, process design, and capital expenditure of a decentralised wastewater treatment plant. <i>Chemosphere</i> , 2022, 300, 134489.	8.2	9
429	Development of highly permeable self-standing nanocomposite sulfonated poly ether ketone membrane using covalent organic frameworks. <i>Desalination</i> , 2022, 538, 115935.	8.2	9
430	Productivity enhancement in a cross-flow ultrafiltration membrane system through automated de-clogging operations. <i>Journal of Membrane Science</i> , 2006, 280, 82-88.	8.2	8
431	A study on the influence of ionic strength on the elution behaviour of membrane organic foulant using advanced separation tools. <i>Desalination and Water Treatment</i> , 2009, 11, 38-45.	1.0	8
432	Rectification methods for the fouling of ultrafiltration hollow-fibre membranes as a result of excessive soluble iron. <i>Desalination and Water Treatment</i> , 2011, 32, 437-444.	1.0	8

#	ARTICLE	IF	CITATIONS
433	Stability of Fe-oxide nanoparticles coated with natural organic matter under relevant environmental conditions. <i>Water Science and Technology</i> , 2014, 70, 2040-2046.	2.5	8
434	Synthesis and characterisation of potassium polytitanate for photocatalytic degradation of crystal violet. <i>Journal of Environmental Sciences</i> , 2014, 26, 2348-2354.	6.1	8
435	Effects of natural organic matter on separation of the hydroxylated fullerene nanoparticles by cross-flow ultrafiltration membranes from water. <i>Separation and Purification Technology</i> , 2015, 140, 61-68.	7.9	8
436	Synthesis and Characterisation of Porous Titania-Silica Composite Aerogel for NO ₂ and Acetaldehyde Removal. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 4505-4511.	0.9	8
437	Role of various physical and chemical techniques for hollow fibre forward osmosis membrane cleaning. <i>Desalination and Water Treatment</i> , 2016, 57, 7742-7752.	1.0	8
438	“Robbing behavior” and re-immobilization of nanoscale zero-valent iron (nZVI) onto electrospun polymeric nanofiber mats for trichloroethylene (TCE) remediation. <i>Separation and Purification Technology</i> , 2017, 189, 375-381.	7.9	8
439	Nanofibers for Water and Wastewater Treatment: Recent Advances and Developments. <i>Energy, Environment, and Sustainability</i> , 2019, , 431-468.	1.0	8
440	Silicene nanosheets as support fillers for thin film composite forward osmosis membranes. <i>Desalination</i> , 2022, 536, 115817.	8.2	8
441	Investigating the relationship between model organic compounds and ultrafiltration membrane fouling. <i>Desalination and Water Treatment</i> , 2009, 8, 177-187.	1.0	7
442	Preparation of TiO ₂ Nanoparticle from Ti-Salt Flocculated Sludge with Dye Wastewater. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3260-3265.	0.9	7
443	Preparation and characterisation of mesoporous photoactive Na-titanate microspheres. <i>Catalysis Today</i> , 2011, 164, 370-376.	4.4	7
444	Computing the effective diffusion coefficient of solutes in a multi-salts solutions during forward osmosis (FO) membrane filtration: Experiments and mathematical modelling. <i>Journal of Environmental Management</i> , 2018, 214, 215-223.	7.8	7
445	Fertilizer drawn forward osmosis as an alternative to 2nd pass seawater reverse osmosis: Estimation of boron removal and energy consumption. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	6.0	7
446	Enhancing the applicability of forward osmosis membrane process utilizing food additives as draw solutes. <i>Journal of Membrane Science</i> , 2021, 638, 119705.	8.2	7
447	TiO ₂ nanotube electrode for organic degradation coupled with flow-electrode capacitive deionization for brackish water desalination. <i>Npj Clean Water</i> , 2022, 5, .	8.0	7
448	Optimizing the performance of sweeping gas membrane distillation for treating naturally heated saline groundwater. <i>Desalination</i> , 2022, 532, 115736.	8.2	7
449	Highly stable gold nanolayer membrane for efficient solar water evaporation under a harsh environment. <i>Chemosphere</i> , 2022, 299, 134394.	8.2	7
450	Foulant characterization of the NF membranes with and without pretreatment of biologically treated wastewater. <i>Water Science and Technology</i> , 2005, 51, 277-284.	2.5	6

#	ARTICLE	IF	CITATIONS
451	Adsorption Characterization for Multi-Component Organic Matters by Titanium Oxide (TiO ₂) in Wastewater. Separation Science and Technology, 2007, 42, 1775-1792.	2.5	6
452	Application of hybrid photocatalysis systems coupled with flocculation and adsorption to biologically treated sewage effluent for organic removal. Korean Journal of Chemical Engineering, 2007, 24, 618-623.	2.7	6
453	Comparison of fouling indices in assessing pre-treatment for seawater reverse osmosis. Desalination and Water Treatment, 2010, 18, 187-191.	1.0	6
454	Adsorption Characteristics of Acetaldehyde on Activated Carbons Prepared from Corn-Based Biomass Precursor. Separation Science and Technology, 2010, 45, 1084-1091.	2.5	6
455	Modified Hydrothermal Route for Synthesis of Photoactive Anatase TiO ₂ /g-CN Nanotubes from Sludge Generated TiO ₂ . Catalysts, 2020, 10, 1350.	3.5	6
456	Application of Ti-salt Coagulant and Sludge Recycling for Phosphorus Removal in Biologically Treated Sewage Effluent. Korean Chemical Engineering Research, 2013, 51, 257-262.	0.2	6
457	Preparation and Characterization of Titania Nanoparticles from Titanium Tetrachloride and Titanium Sulfate Flocculation of Dye Wastewater. Journal of the Japan Petroleum Institute, 2010, 53, 167-172.	0.6	5
458	Chemical-assisted physico-biological water mining system. Water Management, 2010, 163, 469-474.	1.2	5
459	Seasonal variation in the properties of titania photocatalysts produced from Ti-salt flocculated bioresource sludge. Bioresource Technology, 2011, 102, 5545-5549.	9.6	5
460	Synthesis, characterisation and separation of photoreactive Hydrogen-titanate nanofibrous channel. Separation and Purification Technology, 2011, 77, 202-207.	7.9	5
461	How to Optimize Hollow-Fiber Submerged Membrane Bioreactors. Water Environment Research, 2012, 84, 115-119.	2.7	5
462	Characterization of natural organic matters using flow field-flow fractionation and its implication to membrane fouling. Desalination and Water Treatment, 2013, 51, 6378-6391.	1.0	5
463	Ti-salt flocculation for dissolved organic matter removal in seawater. Desalination and Water Treatment, 2013, 51, 3591-3596.	1.0	5
464	Photodesorption of specific organic compounds from titanium dioxide particles in aqueous media. Desalination and Water Treatment, 2014, 52, 867-872.	1.0	5
465	Draw Solutes in Forward Osmosis Processes. , 2015, , 85-113.		5
466	Staged voltage mode in membrane capacitive deionization: Comparison with constant voltage and constant current modes. Desalination, 2020, 479, 114327.	8.2	5
467	Control of the antagonistic effects of heat-assisted chlorine oxidative degradation on pressure retarded osmosis thin film composite membrane surface. Journal of Membrane Science, 2021, 636, 119567.	8.2	5
468	Evaluation of pretreatment and membrane configuration for pressure-retarded osmosis application to produced water from the petroleum industry. Desalination, 2021, 516, 115219.	8.2	5

#	ARTICLE	IF	CITATIONS
469	Computational fluid dynamics simulation study of hypersaline water desalination via membrane distillation: Effect of membrane characteristics and operational parameters. <i>Chemosphere</i> , 2022, 305, 135294.	8.2	5
470	Performance of Flocculation and Adsorption Pretreatments to Ultrafiltration of Biologically Treated Sewage Effluent: the Effect of Seasonal Variations. <i>Separation Science and Technology</i> , 2006, 41, 3585-3596.	2.5	4
471	Ultrafiltration of wastewater with pretreatment: evaluation of flux decline models. <i>Desalination</i> , 2008, 231, 332-339.	8.2	4
472	Characterizations of Colloidal Organic Matter Isolated from Surface Water. <i>Separation Science and Technology</i> , 2009, 44, 3224-3238.	2.5	4
473	Determination of the Apparent Charge of Natural Organic Matter. <i>Separation Science and Technology</i> , 2010, 45, 339-345.	2.5	4
474	Performance evaluation of microfiltration with electrocoagulation and chemical coagulation pretreatment. <i>Desalination and Water Treatment</i> , 2011, 34, 141-149.	1.0	4
475	Preparation of Iron-Doped Titania from Flocculated Sludge with Iron-Titanium Composite Coagulant. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 4106-4109.	0.9	4
476	Co-doped mesoporous titania photocatalysts prepared from a peroxo-titanium complex solution. <i>Materials Research Bulletin</i> , 2014, 49, 7-13.	5.2	4
477	Enhanced Coagulation of Titanium Tetrachloride Aided by the Modified Compound Bioflocculant. <i>Journal of Environmental Engineering, ASCE</i> , 2015, 141, 04015016.	1.4	4
478	The application of forward osmosis for simulated surface water treatment by using trisodium citrate as draw solute. <i>Environmental Science and Pollution Research</i> , 2019, 26, 8585-8593.	5.3	4
479	Effect of initial feed and draw flowrates on performance of an 8040 spiral-wound forward osmosis membrane element. , 0, 72, 1-12.		4
480	Enhancing selectivity of novel outer-selective hollow fiber forward osmosis membrane by polymer nanostructures. <i>Chemical Engineering Journal</i> , 2022, 433, 133634.	12.7	4
481	Dual role of N-doped graphene film as a cathode material for anodic organic oxidation and persulfate production and as a planar carbocatalyst for non-electrochemical persulfate activation. <i>Environmental Science: Nano</i> , 2022, 9, 1662-1674.	4.3	4
482	Engineered osmosis “ sustainable technology for water recovery, product concentration and energy generation. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 1326-1358.	2.4	4
483	Low energy resonance vibration submerged membrane system for microalgae harvesting: Performance and feasibility. <i>Desalination</i> , 2022, 539, 115895.	8.2	4
484	Effect of Flocculation in Membrane“Flocculation Hybrid System in Water Reuse. <i>Separation Science and Technology</i> , 2005, 39, 1871-1883.	2.5	3
485	Performance of Granular Activated Carbon (GAC) Adsorption and Biofiltration in the Treatment of Biologically Treated Sewage Effluent. <i>Separation Science and Technology</i> , 2007, 42, 3101-3116.	2.5	3
486	Membrane fouling propensity after adsorption as pretreatment in rainwater: a detailed organic characterisation. <i>Water Science and Technology</i> , 2008, 58, 1535-1539.	2.5	3

#	ARTICLE	IF	CITATIONS
487	Identification and quantification of foulant in submerged membrane reactor. <i>Desalination and Water Treatment</i> , 2010, 24, 278-283.	1.0	3
488	Influence of solution chemistry on the surface heterogeneity of reverse osmosis membrane. <i>Desalination and Water Treatment</i> , 2012, 43, 308-313.	1.0	3
489	Titania Produced from Ti-Salt Flocculated Sludge: Photocatalytic Activity Under Solar Light. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 6386-6389.	0.9	3
490	Synthesis and Characterisation of Silica-Modified Titania for Photocatalytic Decolouration of Crystal Violet. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 5326-5329.	0.9	3
491	Adsorption and Photocatalytic Degradation of Methylene Blue Using Potassium Polytitanate and Solar Simulator. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 4342-4349.	0.9	3
492	Water Reclamation by Heterogeneous Photocatalysis over Titanium Dioxide. , 2016, , 679-704.		3
493	Evaluating the Feasibility of Forward Osmosis in Diluting RO Concentrate Using Pretreatment Backwash Water. <i>Membranes</i> , 2020, 10, 35.	3.0	3
494	Pyrite (FeS ₂)-supported ultrafiltration system for removal of mercury (II) from water. <i>Emergent Materials</i> , 2021, 4, 1441-1453.	5.7	3
495	Temporal variation of foulant characteristics in membrane bioreactor. <i>Desalination and Water Treatment</i> , 2009, 6, 69-73.	1.0	2
496	Hydrogen production affected by Pt concentration on TiO ₂ produced from the incineration of dye wastewater flocculated sludge using titanium tetrachloride. <i>Desalination and Water Treatment</i> , 2010, 15, 214-221.	1.0	2
497	Effect of Phosphorous on the Properties of Titania Produced from Ti-Salt Flocculated Sludge in Water Treatment. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 7456-7458.	0.9	2
498	Physical, Chemical, and Biological Characterization of Membrane Fouling. , 2012, , 457-503.		2
499	The performance of contact flocculationâ€“filtration as pretreatment of seawater reverse osmosis. <i>Desalination and Water Treatment</i> , 2012, 43, 246-252.	1.0	2
500	Electrocoagulation and crossflow microfiltration hybrid system: fouling investigation. <i>Desalination and Water Treatment</i> , 2012, 43, 253-259.	1.0	2
501	Draw Solute Selection. , 2018, , 87-122.		2
502	Submerged module of outer selective hollow fiber membrane for effective fouling mitigation in osmotic membrane bioreactor for desalination. <i>Desalination</i> , 2020, 496, 114707.	8.2	2
503	PVDF-TiO ₂ coated microfiltration membranes: preparation and characterization. <i>Membrane Water Treatment</i> , 2010, 1, 193-206.	0.5	2
504	Photocatalytic hybrid system in degradation of herbicide (metsulfuronâ€“methyl). <i>Water Science and Technology: Water Supply</i> , 2006, 6, 109-114.	2.1	2

#	ARTICLE	IF	CITATIONS
505	Water quality of membrane filtered rainwater. Desalination and Water Treatment, 2011, 32, 208-213.	1.0	1
506	Challenges in Environmental Science and Engineering CESE-2010 26 September – 1 October 2010, The Sebel, Cairns, Queensland, Australia. Desalination and Water Treatment, 2011, 32, 1-3.	1.0	1
507	Preparation and Characterisation of TiO ₂ Nanoparticle and Titanate Nanotube Obtained from Ti-Salt Flocculated Sludge with Drinking Water and Seawater. Journal of Nanoscience and Nanotechnology, 2011, 11, 1640-1643.	0.9	1
508	Special issue on Challenges in Environmental Science and Engineering, CESE-2011: 25–30, September, Ever Green Plaza Hotel, Tainan City, Taiwan. Bioresource Technology, 2012, 113, 1-2.	9.6	1
509	MONO/DI-ammonium phosphate fertilizers as draw solutions for forward osmosis desalination. IDA Journal of Desalination and Water Reuse, 2013, 5, 34-39.	0.4	1
510	Development of a new poly silicate ferric coagulant and its application to coagulation-membrane filtration hybrid system in wastewater treatment. Desalination and Water Treatment, 2014, 52, 663-669.	1.0	1
511	Fertiliser-Drawn Forward Osmosis Desalination for Fertigation. , 2015, , 395-426.		1
512	Membrane Fouling in Forward Osmosis Processes. , 2015, , 217-240.		1
513	Adsorption Behavior of Pb(II) Onto Potassium Polytitanate Nanofibres. Journal of Nanoscience and Nanotechnology, 2016, 16, 1916-1919.	0.9	1
514	TiO ₂ -Coated Optical Fibres for Groundwater Remediation. Journal of Nanoscience and Nanotechnology, 2019, 19, 1086-1089.	0.9	1
515	Recent developments in forward osmosis and its implication in expanding applications. , 2021, , 149-186.		1
516	The forward osmosis application: using the secondary effluent as makeup water for cooling water dilution. , 0, 105, 1-10.		1
517	Fabrication of dialyzer membrane-based forward osmosis modules via vacuum-assisted interfacial polymerization for the preparation of dialysate. Journal of Membrane Science, 2022, 659, 120814.	8.2	1
518	State of the Art on Research, Development and Application of Membranes in Korea. Membrane, 2009, 34, 2-12.	0.0	0
519	Photocatalytic Degradation of Acid Red G by Bismuth Titanate in Three-phase Fluidized Bed Photoreactor. Journal of Advanced Oxidation Technologies, 2011, 14, .	0.5	0
520	Challenges in Environmental Science and Engineering, CESE-2011: 25–30 September, Ever Green Plaza Hotel, Tainan City, Taiwan. Desalination and Water Treatment, 2012, 47, 1-2.	1.0	0
521	Special issue on the Challenges in Environmental Science and Engineering, CESE-2012: September 9–13, 2012, Melbourne, Australia. Bioresource Technology, 2013, 141, 1.	9.6	0
522	Special issue on the Challenges in Environmental Science and Engineering – CESE-2012 9–13 September 2012, RACV City Club, Melbourne, Australia. Desalination and Water Treatment, 2014, 52, 555-555.	1.0	0

#	ARTICLE	IF	CITATIONS
523	Treatment of High-Salinity Wastewater from Shale Gas Exploitation by Forward Osmosis Processes. , 2015, , 339-361.		0
524	Introduction: Role of Membrane Science and Technology and Forward Osmosis Processes. , 2015, , 1-14.		0
525	Challenges in Environmental Science and Engineering CESE-2013 29 October-2 November 2013, EXCO, Daegu, Korea. Desalination and Water Treatment, 2015, 54, 815-816.	1.0	0
526	Special Issue â€œ Challenges in Environmental Science and Engineering. Chemical Engineering Research and Design, 2016, 104, 451.	5.6	0
527	Special issue on Challenges in Environmental Science and Engineering (CESE-2014) 12â€œ16 October 2014, Johor Bahru, Malaysia. Desalination and Water Treatment, 2016, 57, 7605-7606.	1.0	0
528	Challenges in Environmental Science and Engineering, CESE-2016: 6â€œ10 Nov. 2016, Kaohsiung, Taiwan. Bioresource Technology, 2017, 240, 1-2.	9.6	0
529	Hydrogen production affected by Pt concentration on TiO2 produced from the incineration of dye wastewater flocculated sludge using titanium tetrachloride. , 0, , 214-221.		0
530	Editorial - Special issue on the 9th International Conference on Challenges in Environmental Science and Engineering (CESE-2016), 6â€œ10 November 2016, Kaohsiung, Taiwan. , 0, 96, 1-2.		0
531	Special issue on Challenges in Environmental Science and Engineering - CESE-2017. 11 â€œ 15 November 2017, Kunming, China - Editorial. , 0, 135, 302-302.		0