

Sherub Phuntsho

List of Publications by Year in descending order

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152
papers

6,988
citations

46918

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#	ARTICLE	IF	CITATIONS
1	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.	4.1	384
2	A comprehensive review of hybrid forward osmosis systems: Performance, applications and future prospects. <i>Journal of Membrane Science</i> , 2016, 497, 430-449.	4.1	277
3	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
4	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.	4.1	213
5	Blended Fertilizers as Draw Solutions for Fertilizer-Drawn Forward Osmosis Desalination. <i>Environmental Science & Technology</i> , 2012, 46, 4567-4575.	4.6	170
6	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.	4.1	170
7	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.	4.0	162
8	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.	6.6	155
9	Nanofiltration for water and wastewater treatment – a mini review. <i>Drinking Water Engineering and Science</i> , 2013, 6, 47-53.	0.8	145
10	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.	4.1	130
11	Recent advances in nanomaterial-modified polyamide thin-film composite membranes for forward osmosis processes. <i>Journal of Membrane Science</i> , 2019, 584, 20-45.	4.1	128
12	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.	4.1	125
13	Osmotic equilibrium in the forward osmosis process: Modelling, experiments and implications for process performance. <i>Journal of Membrane Science</i> , 2014, 453, 240-252.	4.1	110
14	Fertiliser drawn forward osmosis desalination: the concept, performance and limitations for fertigation. <i>Reviews in Environmental Science and Biotechnology</i> , 2012, 11, 147-168.	3.9	108
15	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.	1.8	103
16	Membrane scaling and flux decline during fertiliser-drawn forward osmosis desalination of brackish groundwater. <i>Water Research</i> , 2014, 57, 172-182.	5.3	101
17	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.	3.8	99
18	Effect of sulphonated polyethersulfone substrate for thin film composite forward osmosis membrane. <i>Desalination</i> , 2016, 389, 129-136.	4.0	97

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19	Preparation and Characterization of Novel Polytitanium Tetrachloride Coagulant for Water Purification. <i>Environmental Science & Technology</i> , 2013, 47, 12966-12975.	4.6	92
20	Simultaneous phosphorous and nitrogen recovery from source-separated urine: A novel application for fertiliser drawn forward osmosis. <i>Chemosphere</i> , 2018, 203, 482-489.	4.2	91
21	Fertiliser drawn forward osmosis process: Pilot-scale desalination of mine impaired water for fertigation. <i>Journal of Membrane Science</i> , 2016, 508, 22-31.	4.1	85
22	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.	4.1	74
23	Techno-economic feasibility of recovering phosphorus, nitrogen and water from dilute human urine via forward osmosis. <i>Water Research</i> , 2019, 150, 47-55.	5.3	74
24	Melamine-based covalent organic framework-incorporated thin film nanocomposite membrane for enhanced osmotic power generation. <i>Desalination</i> , 2019, 459, 10-19.	4.0	72
25	Environmental and economic impacts of fertilizer drawn forward osmosis and nanofiltration hybrid system. <i>Desalination</i> , 2017, 416, 76-85.	4.0	70
26	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.	3.9	70
27	Effect of photocatalysis on the membrane hybrid system for wastewater treatment. <i>Desalination</i> , 2008, 225, 235-248.	4.0	68
28	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.	3.9	67
29	Energy efficient 3D printed column type feed spacer for membrane filtration. <i>Water Research</i> , 2019, 164, 114961.	5.3	67
30	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.	4.8	66
31	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.	4.0	66
32	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.	5.3	61
33	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.	4.0	61
34	Practical considerations for operability of an 8m ³ spiral wound forward osmosis module: Hydrodynamics, fouling behaviour and cleaning strategy. <i>Desalination</i> , 2017, 404, 249-258.	4.0	60
35	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.	3.9	60
36	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.	6.5	59

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37	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.	3.8	58
38	Influence of graphene oxide lateral size on the properties and performances of forward osmosis membrane. <i>Desalination</i> , 2020, 484, 114421.	4.0	58
39	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.	6.6	57
40	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.	4.0	56
41	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.	4.0	56
42	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.	4.1	54
43	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.	4.1	53
44	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.	2.7	53
45	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.	6.5	52
46	Salinity gradient energy generation by pressure retarded osmosis: A review. <i>Desalination</i> , 2021, 500, 114841.	4.0	52
47	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.	3.9	50
48	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.	5.3	47
49	Assessing the removal of organic micropollutants by a novel baffled osmotic membrane bioreactor-microfiltration hybrid system. <i>Bioresource Technology</i> , 2018, 262, 98-106.	4.8	47
50	Forward osmosis system analysis for optimum design and operating conditions. <i>Water Research</i> , 2018, 145, 429-441.	5.3	47
51	Defect-free outer-selective hollow fiber thin-film composite membranes for forward osmosis applications. <i>Journal of Membrane Science</i> , 2019, 586, 281-291.	4.1	47
52	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
53	Palladium Recovery through Membrane Capacitive Deionization from Metal Plating Wastewater. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1692-1701.	3.2	44
54	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.	3.9	43

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55	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.	4.1	43
56	Thin film composite hollow fibre forward osmosis membrane module for the desalination of brackish groundwater for fertigation. <i>Desalination</i> , 2015, 364, 108-118.	4.0	42
57	Modification of Nanofiber Support Layer for Thin Film Composite forward Osmosis Membranes via Layer-by-Layer Polyelectrolyte Deposition. <i>Membranes</i> , 2018, 8, 70.	1.4	41
58	Human urine as a forward osmosis draw solution for the application of microalgae dewatering. <i>Journal of Hazardous Materials</i> , 2019, 378, 120724.	6.5	41
59	Pilot-scale membrane capacitive deionisation for effective bromide removal and high water recovery in seawater desalination. <i>Desalination</i> , 2020, 479, 114309.	4.0	40
60	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.	4.8	39
61	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.	4.0	37
62	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.	4.8	36
63	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.	4.0	36
64	Thin-film composite membrane on a compacted woven backing fabric for pressure assisted osmosis. <i>Desalination</i> , 2017, 406, 98-108.	4.0	35
65	Coagulation by titanium tetrachloride for fulvic acid removal: Factors influencing coagulation efficiency and floc characteristics. <i>Desalination</i> , 2014, 335, 70-77.	4.0	34
66	Urine Treatment on the International Space Station: Current Practice and Novel Approaches. <i>Membranes</i> , 2020, 10, 327.	1.4	33
67	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.	4.8	32
68	Studying municipal solid waste generation and composition in the urban areas of Bhutan. <i>Waste Management and Research</i> , 2010, 28, 545-551.	2.2	31
69	Covalent organic framework incorporated outer-selective hollow fiber thin-film nanocomposite membranes for osmotically driven desalination. <i>Desalination</i> , 2020, 485, 114461.	4.0	31
70	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.	2.7	31
71	Membrane autopsy of a 10year old hollow fibre membrane from Sydney Olympic Park water reclamation plant. <i>Desalination</i> , 2011, 271, 241-247.	4.0	30
72	Boron transport through polyamide-based thin film composite forward osmosis membranes. <i>Desalination</i> , 2014, 340, 11-17.	4.0	30

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73	Methane production in an anaerobic osmotic membrane bioreactor using forward osmosis: Effect of reverse salt flux. <i>Bioresource Technology</i> , 2017, 239, 285-293.	4.8	30
74	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.	4.6	30
75	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.	2.7	29
76	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.	4.1	29
77	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
78	Fertilizer-drawn forward osmosis for irrigation of tomatoes. <i>Desalination and Water Treatment</i> , 2015, 53, 2746-2759.	1.0	28
79	Impact of reverse nutrient diffusion on membrane biofouling in fertilizer-drawn forward osmosis. <i>Journal of Membrane Science</i> , 2017, 539, 108-115.	4.1	28
80	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
81	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.	1.2	27
82	Assessing membrane fouling potential of humic acid using flow field-flow fractionation. <i>Journal of Membrane Science</i> , 2011, 373, 64-73.	4.1	26
83	Understanding the organic micropollutants transport mechanisms in the fertilizer-drawn forward osmosis process. <i>Journal of Environmental Management</i> , 2019, 248, 109240.	3.8	26
84	The effect of Schiff base network on the separation performance of thin film nanocomposite forward osmosis membranes. <i>Separation and Purification Technology</i> , 2019, 217, 284-293.	3.9	26
85	Enhanced water permeability and osmotic power generation with sulfonate-functionalized porous polymer-incorporated thin film nanocomposite membranes. <i>Desalination</i> , 2020, 496, 114756.	4.0	26
86	Removal of Organic Micro-Pollutants by Conventional Membrane Bioreactors and High-Retention Membrane Bioreactors. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2969.	1.3	26
87	Conceptual design of a dynamic turbospacer for efficient low pressure membrane filtration. <i>Desalination</i> , 2020, 496, 114712.	4.0	26
88	Performance comparison of thin-film composite forward osmosis membranes. <i>Desalination and Water Treatment</i> , 2013, 51, 6274-6280.	1.0	25
89	Efficient recovery of nitrate from municipal wastewater via MCDI using anion-exchange polymer coated electrode embedded with nitrate selective resin. <i>Desalination</i> , 2020, 484, 114425.	4.0	25
90	In situ ultrathin silica layer formation on polyamide thin-film composite membrane surface for enhanced forward osmosis performances. <i>Journal of Membrane Science</i> , 2021, 620, 118876.	4.1	25

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91	Removal of natural organic matter by titanium tetrachloride: The effect of total hardness and ionic strength. <i>Journal of Environmental Management</i> , 2014, 134, 20-29.	3.8	24
92	Sulfur-containing air pollutants as draw solution for fertilizer drawn forward osmosis desalination process for irrigation use. <i>Desalination</i> , 2017, 424, 1-9.	4.0	23
93	Preparation of Titanium Dioxide Nanoparticles from Electrocoagulated Sludge using Sacrificial Titanium Electrodes. <i>Environmental Science & Technology</i> , 2010, 44, 5553-5557.	4.6	22
94	Wastewater management in urban Bhutan: Assessing the current practices and challenges. <i>Chemical Engineering Research and Design</i> , 2019, 132, 82-93.	2.7	22
95	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.	4.0	22
96	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.	4.1	22
97	Solar-powered electrocoagulation system for water and wastewater treatment. <i>Desalination and Water Treatment</i> , 2011, 32, 381-388.	1.0	21
98	Concentrating underground brine by FO process: Influence of membrane types and spacer on membrane scaling. <i>Chemical Engineering Journal</i> , 2016, 285, 92-100.	6.6	21
99	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.	4.0	21
100	Polytitanium sulfate (PTS): Coagulation application and Ti species detection. <i>Journal of Environmental Sciences</i> , 2017, 52, 250-258.	3.2	20
101	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.	6.6	19
102	GreenPRO: A novel fertiliser-driven osmotic power generation process for fertigation. <i>Desalination</i> , 2018, 447, 158-166.	4.0	19
103	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.	4.2	19
104	Inkjet printed polyelectrolyte multilayer membrane using a polyketone support for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2022, 642, 119943.	4.1	19
105	Novel organic solvent nanofiltration membrane based on inkjet printing-assisted layer-by-layer assembly. <i>Journal of Membrane Science</i> , 2022, 655, 120582.	4.1	19
106	A closed-loop forward osmosis-nanofiltration hybrid system: Understanding process implications through full-scale simulation. <i>Desalination</i> , 2017, 421, 169-178.	4.0	18
107	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.	1.2	17
108	Energy recovery through reverse electrodialysis: Harnessing the salinity gradient from the flushing of human urine. <i>Water Research</i> , 2020, 186, 116320.	5.3	17

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109	Dynamic feed spacer for fouling minimization in forward osmosis process. <i>Desalination</i> , 2021, 515, 115198.	4.0	17
110	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.	3.8	16
111	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.	4.1	16
112	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.	4.0	16
113	Removal of pharmaceuticals from nitrified urine. <i>Chemosphere</i> , 2021, 280, 130870.	4.2	16
114	Chemically Cross-Linked Graphene Oxide as a Selective Layer on Electrospun Polyvinyl Alcohol Nanofiber Membrane for Nanofiltration Application. <i>Nanomaterials</i> , 2021, 11, 2867.	1.9	16
115	Fertiliser recovery from source-separated urine via membrane bioreactor and heat localized solar evaporation. <i>Water Research</i> , 2021, 207, 117810.	5.3	16
116	A new sponge tray bioreactor in primary treated sewage effluent treatment. <i>Bioresource Technology</i> , 2011, 102, 5444-5447.	4.8	15
117	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.	4.8	15
118	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.	3.8	14
119	Free-standing, thin-film, symmetric membranes: Next-generation membranes for engineered osmosis. <i>Journal of Membrane Science</i> , 2020, 607, 118145.	4.1	14
120	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.	2.7	13
121	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.	4.8	12
122	Critical flux on a submerged membrane bioreactor for nitrification of source separated urine. <i>Chemical Engineering Research and Design</i> , 2021, 153, 518-526.	2.7	12
123	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
124	On-site domestic wastewater treatment system using shredded waste plastic bottles as biofilter media: Pilot-scale study on effluent standards in Bhutan. <i>Chemosphere</i> , 2022, 286, 131729.	4.2	11
125	Characterization of coagulation behavior of titanium tetrachloride coagulant for high and low molecule weight natural organic matter removal: The effect of second dosing. <i>Chemical Engineering Journal</i> , 2013, 228, 516-525.	6.6	10
126	Understanding the risk of scaling and fouling in hollow fiber forward osmosis membrane application. <i>Chemical Engineering Research and Design</i> , 2016, 104, 452-464.	2.7	10

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127	Effect of Brine Water on Discharge of Cations in Membrane Capacitive Deionization and Its Implications on Nitrogen Recovery from Wastewater. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11474-11484.	3.2	10
128	Surface water treatment benefits from the presence of algae: Influence of algae on the coagulation behavior of polytitanium chloride. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	3.3	10
129	Submerged versus side-stream osmotic membrane bioreactors using an outer-selective hollow fiber osmotic membrane for desalination. <i>Desalination</i> , 2021, 515, 115196.	4.0	10
130	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.	0.5	9
131	Electrode for selective bromide removal in membrane capacitive deionisation. <i>Chemosphere</i> , 2022, 287, 132169.	4.2	9
132	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.	2.6	9
133	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.	4.2	9
134	Development of highly permeable self-standing nanocomposite sulfonated poly ether ketone membrane using covalent organic frameworks. <i>Desalination</i> , 2022, 538, 115935.	4.0	9
135	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
136	Stability of Fe-oxide nanoparticles coated with natural organic matter under relevant environmental conditions. <i>Water Science and Technology</i> , 2014, 70, 2040-2046.	1.2	8
137	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
138	Draw Solute in Forward Osmosis Processes. , 2015, , 85-113.		5
139	Control of the antagonistic effects of heat-assisted chlorine oxidative degradation on pressure retarded osmosis thin film composite membrane surface. <i>Journal of Membrane Science</i> , 2021, 636, 119567.	4.1	5
140	Determination of the Apparent Charge of Natural Organic Matter. <i>Separation Science and Technology</i> , 2010, 45, 339-345.	1.3	4
141	Performance evaluation of microfiltration with electrocoagulation and chemical coagulation pretreatment. <i>Desalination and Water Treatment</i> , 2011, 34, 141-149.	1.0	4
142	Enhanced Coagulation of Titanium Tetrachloride Aided by the Modified Compound Biofloculant. <i>Journal of Environmental Engineering, ASCE</i> , 2015, 141, 04015016.	0.7	4
143	Membrane bioreactors for the removal of micro-pollutants. , 2020, , 231-252.		4
144	Effect of initial feed and draw flowrates on performance of an 8040 spiral-wound forward osmosis membrane element. , 0, 72, 1-12.		4

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145	Factors Affecting the Performances of Forward Osmosis Desalination Process. <i>Procedia Engineering</i> , 2012, 44, 1449-1451.	1.2	3
146	Physical, Chemical, and Biological Characterization of Membrane Fouling. , 2012, , 457-503.		2
147	Electrocoagulation and crossflow microfiltration hybrid system: fouling investigation. <i>Desalination and Water Treatment</i> , 2012, 43, 253-259.	1.0	2
148	Submerged module of outer selective hollow fiber membrane for effective fouling mitigation in osmotic membrane bioreactor for desalination. <i>Desalination</i> , 2020, 496, 114707.	4.0	2
149	MONO/DI-ammonium phosphate fertilizers as draw solutions for forward osmosis desalination. <i>IDA Journal of Desalination and Water Reuse</i> , 2013, 5, 34-39.	0.4	1
150	Fertiliser-Drawn Forward Osmosis Desalination for Fertigation. , 2015, , 395-426.		1
151	Introduction: Role of Membrane Science and Technology and Forward Osmosis Processes. , 2015, , 1-14.		0
152	Special Issue “Challenges in Environmental Science and Engineering. <i>Chemical Engineering Research and Design</i> , 2016, 104, 451.	2.7	0