

In S Kim

List of Publications by Year in descending order

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253
papers

12,553
citations

29928

54
h-index

31652

102
g-index

263
all docs

263
docs citations

263
times ranked

12589
citing authors

#	ARTICLE	IF	CITATIONS
1	Occurrence and removal of pharmaceuticals and endocrine disruptors in South Korean surface, drinking, and waste waters. <i>Water Research</i> , 2007, 41, 1013-1021.	11.4	1,198
2	Effect of different substrates on the performance, bacterial diversity, and bacterial viability in microbial fuel cells. <i>Bioresource Technology</i> , 2009, 100, 3518-3525.	9.7	592
3	Biological Hydrogen Production Measured in Batch Anaerobic Respirometers. <i>Environmental Science & Technology</i> , 2002, 36, 2530-2535.	10.5	484
4	Mass Transport through a Proton Exchange Membrane (Nafion) in Microbial Fuel Cells. <i>Energy & Fuels</i> , 2008, 22, 169-176.	5.2	381
5	The effects of digestion temperature and temperature shock on the biogas yields from the mesophilic anaerobic digestion of swine manure. <i>Bioresource Technology</i> , 2008, 99, 1-6.	9.7	335
6	Two-Dimensional Ti ₃ C ₂ T _x MXene Membranes as Nanofluidic Osmotic Power Generators. <i>ACS Nano</i> , 2019, 13, 8917-8925.	15.3	258
7	Anaerobic bio-hydrogen production from ethanol fermentation: the role of pH. <i>Journal of Biotechnology</i> , 2004, 111, 297-309.	3.9	257
8	Biofouling potential of various NF membranes with respect to bacteria and their soluble microbial products (SMP): Characterizations, flux decline, and transport parameters. <i>Journal of Membrane Science</i> , 2005, 258, 43-54.	8.3	207
9	Cleaning strategies for flux recovery of an ultrafiltration membrane fouled by natural organic matter. <i>Water Research</i> , 2001, 35, 3301-3308.	11.4	184
10	Methanogenesis control by employing various environmental stress conditions in two-chambered microbial fuel cells. <i>Bioresource Technology</i> , 2010, 101, 5350-5357.	9.7	171
11	Enhanced biodegradation of polycyclic aromatic hydrocarbons using nonionic surfactants in soil slurry. <i>Applied Geochemistry</i> , 2001, 16, 1419-1428.	3.1	167
12	Effects of biofouling on ion transport through cation exchange membranes and microbial fuel cell performance. <i>Bioresource Technology</i> , 2011, 102, 298-303.	9.7	166
13	Overview of systems engineering approaches for a large-scale seawater desalination plant with a reverse osmosis network. <i>Desalination</i> , 2009, 238, 312-332.	8.3	159
14	Selective inhibition of methanogens for the improvement of biohydrogen production in microbial electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 13379-13386.	7.2	155
15	Effects of nutrient and temperature on degradation of petroleum hydrocarbons in contaminated sub-Antarctic soil. <i>Chemosphere</i> , 2005, 58, 1439-1448.	8.4	154
16	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.	10.5	147
17	The effect of calcium on the membrane biofouling in the membrane bioreactor (MBR). <i>Water Research</i> , 2006, 40, 2756-2764.	11.4	142
18	PIP/TMC Interfacial Polymerization with Electrospray: Novel Loose Nanofiltration Membrane for Dye Wastewater Treatment. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36148-36158.	8.3	140

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19	Characteristics of soluble microbial products and extracellular polymeric substances in the membrane bioreactor for water reuse. <i>Desalination</i> , 2007, 202, 90-98.	8.3	138
20	Organic fouling behavior in direct contact membrane distillation. <i>Desalination</i> , 2014, 347, 230-239.	8.3	138
21	Tunable semi-permeability of graphene-based membranes by adjusting reduction degree of laminar graphene oxide layer. <i>Journal of Membrane Science</i> , 2018, 547, 73-79.	8.3	138
22	Sulfonated graphene oxide incorporated thin film nanocomposite nanofiltration membrane to enhance permeation and antifouling properties. <i>Desalination</i> , 2019, 470, 114125.	8.3	138
23	The arbuscular mycorrhizal fungus <i>Glomus mosseae</i> induces growth and metal accumulation changes in <i>Cannabis sativa</i> L. <i>Chemosphere</i> , 2005, 59, 21-29.	8.4	137
24	Biohydrogen production via biocatalyzed electrolysis in acetate-fed bioelectrochemical cells and microbial community analysis. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 5184-5192.	7.2	136
25	Enhanced desalination performance of forward osmosis membranes based on reduced graphene oxide laminates coated with hydrophilic polydopamine. <i>Carbon</i> , 2017, 117, 293-300.	10.7	135
26	Removal of Headspace CO ₂ Increases Biological Hydrogen Production. <i>Environmental Science & Technology</i> , 2005, 39, 4416-4420.	10.5	130
27	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.	8.3	130
28	A Solar-Powered Microbial Electrolysis Cell with a Platinum Catalyst-Free Cathode To Produce Hydrogen. <i>Environmental Science & Technology</i> , 2009, 43, 9525-9530.	10.5	122
29	Novel membrane bioreactor (MBR) coupled with a nonwoven fabric filter for household wastewater treatment. <i>Water Research</i> , 2010, 44, 751-760.	11.4	122
30	Novel sulfonated graphene oxide incorporated polysulfone nanocomposite membranes for enhanced-performance in ultrafiltration process. <i>Chemosphere</i> , 2018, 207, 581-589.	8.4	118
31	A Short Review of Membrane Fouling in Forward Osmosis Processes. <i>Membranes</i> , 2017, 7, 30.	3.0	114
32	Polydopamine coating effects on ultrafiltration membrane to enhance power density and mitigate biofouling of ultrafiltration microbial fuel cells (UF-MFCs). <i>Water Research</i> , 2014, 54, 62-68.	11.4	110
33	Critical review of bioelectrochemical systems integrated with membrane-based technologies for desalination, energy self-sufficiency, and high-efficiency water and wastewater treatment. <i>Desalination</i> , 2019, 452, 40-67.	8.3	109
34	Electricity generation from rice straw using a microbial fuel cell. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 9490-9496.	7.2	107
35	Characterization and evaluation of aerobic granules in sequencing batch reactor. <i>Journal of Biotechnology</i> , 2003, 105, 71-82.	3.9	103
36	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.	11.4	91

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37	Desalination plants in Australia, review and facts. <i>Desalination</i> , 2009, 247, 1-14.	8.3	90
38	Effect of pretreatment on the fouling of membranes: application in biologically treated sewage effluent. <i>Journal of Membrane Science</i> , 2004, 234, 111-120.	8.3	88
39	<i>Dechloromonas hortensis</i> sp. nov. and strain ASK-1, two novel (per)chlorate-reducing bacteria, and taxonomic description of strain GR-1. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 2063-2068.	1.8	86
40	Developments and future prospects of reverse electrodialysis for salinity gradient power generation: Influence of ion exchange membranes and electrodes. <i>Desalination</i> , 2020, 491, 114540.	8.3	82
41	Sulfonated polyether ether ketone (SPEEK)-based composite proton exchange membrane reinforced with nanofibers for microbial electrolysis cells. <i>Chemical Engineering Journal</i> , 2014, 254, 393-398.	13.0	79
42	Physicochemical Interactions between Rhamnolipids and <i>Pseudomonas aeruginosa</i> Biofilm Layers. <i>Environmental Science & Technology</i> , 2015, 49, 3718-3726.	10.5	77
43	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.	10.5	73
44	Artificial neural network model for optimizing operation of a seawater reverse osmosis desalination plant. <i>Desalination</i> , 2009, 247, 180-189.	8.3	72
45	Formation of hazardous inorganic by-products during electrolysis of seawater as a disinfection process for desalination. <i>Science of the Total Environment</i> , 2010, 408, 5958-5965.	8.2	68
46	High-quality effluent and electricity production from non-CEM based flow-through type microbial fuel cell. <i>Chemical Engineering Journal</i> , 2013, 218, 19-23.	13.0	66
47	Comparison of the removal efficiency of endocrine disrupting compounds in pilot scale sewage treatment processes. <i>Chemosphere</i> , 2008, 71, 1582-1592.	8.4	65
48	Laminar reduced graphene oxide membrane modified with silver nanoparticle-polydopamine for water/ion separation and biofouling resistance enhancement. <i>Desalination</i> , 2018, 426, 21-31.	8.3	62
49	Citric acid and ethylene diamine tetra-acetic acid as effective washing agents to treat sewage sludge for agricultural reuse. <i>Waste Management</i> , 2015, 46, 440-448.	7.6	61
50	Critical flux-based membrane fouling control of forward osmosis: Behavior, sustainability, and reversibility. <i>Journal of Membrane Science</i> , 2019, 570-571, 380-393.	8.3	61
51	Implications of Chemical Reduction Using Hydriodic Acid on the Antimicrobial Properties of Graphene Oxide and Reduced Graphene Oxide Membranes. <i>Small</i> , 2019, 15, e1901023.	11.2	59
52	Enhanced Coulombic efficiency in glucose-fed microbial fuel cells by reducing metabolite electron losses using dual-anode electrodes. <i>Bioresource Technology</i> , 2011, 102, 4144-4149.	9.7	56
53	Tunable Ion Sieving of Graphene Membranes through the Control of Nitrogen-Bonding Configuration. <i>Nano Letters</i> , 2018, 18, 5506-5513.	9.5	56
54	Electrochemical immunoassay using quantum dot/antibody probe for identification of cyanobacterial hepatotoxin microcystin-LR. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 2173-2181.	3.9	55

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55	Antimicrobial mechanism of reduced graphene oxide-copper oxide (rGO-CuO) nanocomposite films: The case of <i>Pseudomonas aeruginosa</i> PAO1. <i>Materials Science and Engineering C</i> , 2020, 109, 110596.	7.8	55
56	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.	2.0	54
57	Microbial community in seawater reverse osmosis and rapid diagnosis of membrane biofouling. <i>Desalination</i> , 2011, 273, 118-126.	8.3	54
58	Foulant analysis of a reverse osmosis membrane used pretreated seawater. <i>Journal of Membrane Science</i> , 2013, 428, 434-444.	8.3	54
59	Determination of the Size of Water-Soluble Nanoparticles and Quantum Dots by Field-Flow Fractionation. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2461-2467.	0.9	53
60	Effective removal of emerging dissolved cyanotoxins from water using hybrid photocatalytic composites. <i>Water Research</i> , 2019, 149, 421-431.	11.4	53
61	Nanofiltration membranes based on polyvinylidene fluoride nanofibrous scaffolds and crosslinked polyethyleneimine networks. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	2.0	52
62	Underwater superoleophobic modified polysulfone electrospun membrane with efficient antifouling for ultrafast gravitational oil-water separation. <i>Separation and Purification Technology</i> , 2018, 200, 284-293.	8.1	52
63	Graphene oxide nanocomposite membrane cooperatively cross-linked by monomer and polymer overcoming the trade-off between flux and rejection in forward osmosis. <i>Journal of Membrane Science</i> , 2020, 598, 117684.	8.3	51
64	Steady-state modeling of bio-fouling potentials with respect to the biological kinetics in the submerged membrane bioreactor (SMBR). <i>Journal of Membrane Science</i> , 2006, 284, 352-360.	8.3	48
65	Characterization of pore size distribution (PSD) in cellulose triacetate (CTA) and polyamide (PA) thin active layers by positron annihilation lifetime spectroscopy (PALS) and fractional rejection (FR) method. <i>Journal of Membrane Science</i> , 2017, 527, 143-151.	8.3	48
66	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.	8.3	48
67	Effect of tris-(2-chloroethyl)-phosphate (TCEP) at environmental concentration on the levels of cell cycle regulatory protein expression in primary cultured rabbit renal proximal tubule cells. <i>Chemosphere</i> , 2008, 74, 84-88.	8.4	47
68	Development of a novel process to mitigate membrane fouling in a continuous sludge system by seeding aerobic granules at pilot plant. <i>Journal of Membrane Science</i> , 2016, 497, 90-98.	8.3	47
69	Study of hydrogen production in light assisted microbial electrolysis cell operated with dye sensitized solar cell. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 9297-9304.	7.2	46
70	Improved recovery of bioenergy and osmotic water in an osmotic microbial fuel cell using micro-diffuser assisted marine aerobic biofilm on cathode. <i>Biochemical Engineering Journal</i> , 2017, 128, 235-242.	3.8	46
71	A comprehensive review of the feasibility of pressure retarded osmosis: Recent technological advances and industrial efforts towards commercialization. <i>Desalination</i> , 2020, 491, 114501.	8.3	46
72	Characterization of aerobic granules by microbial density at different COD loading rates. <i>Bioresource Technology</i> , 2008, 99, 18-25.	9.7	45

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73	Bead-Based Competitive Fluorescence Immunoassay for Sensitive and Rapid Diagnosis of Cyanotoxin Risk in Drinking Water. <i>Environmental Science & Technology</i> , 2011, 45, 7804-7811.	10.5	45
74	Foulant characterization and distribution in spiral wound reverse osmosis membranes from different pressure vessels. <i>Desalination</i> , 2015, 370, 44-52.	8.3	45
75	Characteristics of tailings from the closed metal mines as potential contamination source in South Korea. <i>Environmental Geology</i> , 2001, 41, 358-364.	1.2	43
76	Enhancement in characteristics of sewage sludge and anaerobic treatability by electron beam pre-treatment. <i>Radiation Physics and Chemistry</i> , 2009, 78, 124-129.	2.8	43
77	A detailed organic matter characterization of pretreated seawater using low pressure microfiltration hybrid systems. <i>Journal of Membrane Science</i> , 2013, 428, 290-300.	8.3	42
78	Solidification and stabilization of Pb, Zn, Cd and Cu in tailing wastes using cement and fly ash. <i>Minerals Engineering</i> , 2000, 13, 1659-1662.	4.4	41
79	Determination of sinigrin, sinalbin, allyl- and benzyl isothiocyanates by RP-HPLC in mustard powder extracts. <i>LWT - Food Science and Technology</i> , 2012, 47, 293-299.	5.3	41
80	Correlation Between Quorum Sensing Signal Molecules and <i>Pseudomonas aeruginosa</i> 's Biofilm Development and Virulency. <i>Current Microbiology</i> , 2018, 75, 787-793.	2.2	40
81	Breakthroughs in the fabrication of electrospun-nanofiber-supported thin film composite/nanocomposite membranes for the forward osmosis process: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2020, 50, 1727-1795.	13.5	40
82	<i>Microbacterium xylanilyticum</i> sp. nov., a xylan-degrading bacterium isolated from a biofilm. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 2075-2079.	1.8	39
83	Effect of hydrodynamic force and prolonged oxygen exposure on the performance of anodic biofilm in microbial electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 3206-3213.	7.2	39
84	Evaluation of hydrogen production and internal resistance in forward osmosis membrane integrated microbial electrolysis cells. <i>Bioresource Technology</i> , 2015, 187, 106-112.	9.7	39
85	Fouling characteristics and their implications on cleaning of a FO-RO pilot process for treating brackish surface water. <i>Desalination</i> , 2016, 394, 91-100.	8.3	39
86	Bioleaching of heavy metals from dewatered sludge by <i>Acidithiobacillus ferrooxidans</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 1339-1348.	3.1	38
87	Fabrication of highly permeable thin-film nanocomposite forward osmosis membranes via the design of novel freestanding robust nanofiber substrates. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11700-11713.	10.5	38
88	Transition metal/carbon nanoparticle composite catalysts as platinum substitutes for bioelectrochemical hydrogen production using microbial electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 2258-2265.	7.2	38
89	<i>Silvimonas terrae</i> gen. nov., sp. nov., a novel chitin-degrading facultative anaerobe belonging to the <i>β</i> -Betaproteobacteria. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 2329-2332.	1.8	37
90	Microbial removal of uranium in uranium-bearing black shale. <i>Chemosphere</i> , 2005, 59, 147-154.	8.4	36

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91	Multiplex competitive microbead-based flow cytometric immunoassay using quantum dot fluorescent labels. <i>Analytica Chimica Acta</i> , 2012, 750, 191-198.	5.5	36
92	Monitoring of petroleum hydrocarbon degradative potential of indigenous microorganisms in ozonated soil. <i>Biodegradation</i> , 2005, 16, 45-56.	3.1	35
93	SEAHERO R&D program and key strategies for the scale-up of a seawater reverse osmosis (SWRO) system. <i>Desalination</i> , 2009, 238, 1-9.	8.3	35
94	Kinetics of acetogenesis and methanogenesis in anaerobic reactions under toxic conditions. <i>Water Environment Research</i> , 1994, 66, 119-132.	2.7	33
95	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.	5.7	33
96	Effect of ozone on microfiltration as a pretreatment of seawater reverse osmosis. <i>Desalination</i> , 2009, 238, 90-97.	8.3	32
97	Fate of <i>Bacillus</i> sp. and <i>Pseudomonas</i> sp. isolated from seawater during chlorination and microfiltration as pretreatments of a desalination plant. <i>Journal of Membrane Science</i> , 2010, 349, 208-216.	8.3	32
98	Effects of phosphate limitation in feed water on biofouling in forward osmosis (FO) process. <i>Desalination</i> , 2014, 349, 51-59.	8.3	32
99	Rock Powder Can Improve Vermicompost Chemical Properties and Plant Nutrition: an On-farm Experiment. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 1-12.	1.4	32
100	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.	11.4	32
101	Forward osmosis as a pre-treatment for treating coal seam gas associated water: Flux and fouling behaviour. <i>Desalination</i> , 2017, 403, 144-152.	8.3	31
102	Evaluation of Methods for Cyanobacterial Cell Lysis and Toxin (Microcystin-LR) Extraction Using Chromatographic and Mass Spectrometric Analyses. <i>Environmental Engineering Research</i> , 2009, 14, 250-254.	2.6	31
103	Optimization studies of bio-hydrogen production in a coupled microbial electrolysis-dye sensitized solar cell system. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 349-356.	2.9	30
104	Formation and speciation of haloacetic acids in seawater desalination using chlorine dioxide as disinfectant. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 26, 193-201.	6.0	30
105	Facile fabrication of superhydrophilic and underwater superoleophobic nanofiber membranes for highly efficient separation of oil-in-water emulsion. <i>Separation and Purification Technology</i> , 2021, 272, 118954.	8.1	30
106	Treatment of High Nitrate-Containing Wastewaters by Sequential Heterotrophic and Autotrophic Denitrification. <i>Journal of Environmental Engineering, ASCE</i> , 2004, 130, 1475-1480.	1.3	29
107	Selection of the most problematic biofoulant in fouled RO membrane and the seawater intake to develop biosensors for membrane biofouling. <i>Desalination</i> , 2009, 247, 125-136.	8.3	29
108	Exploring microbial communities and differences of cartridge filters (CFs) and reverse osmosis (RO) membranes for seawater desalination processes. <i>Desalination</i> , 2012, 298, 85-92.	8.3	29

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109	Use of rhamnolipid biosurfactant for membrane biofouling prevention and cleaning. <i>Biofouling</i> , 2015, 31, 211-220.	2.2	29
110	The effects of discrete and gradient mid-shell structures on the photoluminescence of single InP quantum dots. <i>Nanoscale</i> , 2019, 11, 23251-23258.	5.8	29
111	Potential of fluorophore labeled aptamers for <i>Pseudomonas aeruginosa</i> detection in drinking water. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2013, 56, 165-171.	0.8	28
112	Surface morphology-dependent spontaneous bacterial behaviors on graphene oxide membranes. <i>Separation and Purification Technology</i> , 2019, 226, 68-74.	8.1	27
113	Insight into organic fouling behavior in polyamide thin-film composite forward osmosis membrane: Critical flux and its impact on the economics of water reclamation. <i>Journal of Membrane Science</i> , 2020, 606, 118118.	8.3	27
114	Physico-chemical pretreatment to seawater reverse osmosis (SWRO): organic characterization and membrane autopsy. <i>Desalination</i> , 2009, 236, 282-290.	8.3	26
115	High-flux ultrafiltration membrane with open porous hydrophilic structure using dual pore formers. <i>Chemosphere</i> , 2019, 227, 662-669.	8.4	26
116	Estimating the combined effects of copper and phenol to nitrifying bacteria in wastewater treatment plants. <i>Water Research</i> , 2006, 40, 561-568.	11.4	25
117	Dye adsorptive thin-film composite membrane with magnetite decorated sulfonated graphene oxide for efficient dye/salt mixture separation. <i>Desalination</i> , 2022, 524, 115462.	8.3	25
118	Effects of enzymatic treatment on the reduction of extracellular polymeric substances (EPS) from biofouled membranes. <i>Desalination and Water Treatment</i> , 2013, 51, 6355-6361.	1.0	24
119	Effect of initial salt concentrations on cell performance and distribution of internal resistance in microbial desalination cells. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 852-860.	2.4	24
120	Janus Graphene Oxide-Doped, Lamellar Composite Membranes with Strong Aqueous Stability. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7252-7259.	6.9	24
121	Zirconia nanofibers incorporated polysulfone nanocomposite membrane: Towards overcoming the permeance-selectivity trade-off. <i>Separation and Purification Technology</i> , 2020, 236, 116236.	8.1	24
122	Boron removal from seawater using NF and RO membranes, and effects of boron on HEK 293 human embryonic kidney cell with respect to toxicities. <i>Desalination</i> , 2008, 223, 23-30.	8.3	23
123	Biofouling Potential Reductions Using a Membrane Hybrid System as a Pre-treatment to Seawater Reverse Osmosis. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 1716-1727.	3.0	23
124	Forward Osmosis Membranes under Null-Pressure Condition: Do Hydraulic and Osmotic Pressures Have Identical Nature?. <i>Environmental Science & Technology</i> , 2018, 52, 3556-3566.	10.5	22
125	Evaluation of a seawater electrolysis process considering formation of free chlorine and perchlorate. <i>Desalination and Water Treatment</i> , 2010, 18, 245-250.	1.0	21
126	Effect of Spacer Configuration on the Characteristics of FO Membranes: Alteration of Permeation Characteristics by Membrane Deformation and Concentration Polarization. <i>Environmental Science & Technology</i> , 2020, 54, 6385-6395.	10.5	21

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127	Measurement of growth rate of ammonia oxidizing bacteria in partially submerged rotating biological contactor by fluorescent in situ hybridization (FISH). <i>Journal of Environmental Engineering and Science</i> , 2005, 4, 413-420.	0.9	20
128	Fate and transport of endocrine-disrupting compounds (oestrone and 17 β -oestradiol) in a membrane bio-reactor used for water re-use. <i>Water Science and Technology</i> , 2006, 53, 123-130.	2.5	20
129	Site-specific raw seawater quality impact study on SWRO process for optimizing operation of the pressurized step. <i>Desalination</i> , 2009, 238, 140-157.	8.3	20
130	Analysis of the nitrifying bacterial community in BioCube sponge media using fluorescent in situ hybridization (FISH) and microelectrodes. <i>Journal of Environmental Management</i> , 2008, 88, 1426-1435.	7.9	19
131	An ambitious step to the future desalination technology: SEAHERO R&D program (2007-2012). <i>Applied Water Science</i> , 2011, 1, 11-17.	5.8	19
132	Effect of intermittent pressure-assisted forward osmosis (I-PAFO) on organic fouling. <i>Desalination</i> , 2017, 419, 60-69.	8.3	19
133	Effect of boron rejection and recovery rate on a single-pass design of SWRO using hybrid membrane inter-stage design (HID) concept. <i>Desalination</i> , 2017, 404, 215-223.	8.3	19
134	Removal behaviors and fouling mechanisms of charged antibiotics and nanoparticles on forward osmosis membrane. <i>Journal of Environmental Management</i> , 2019, 247, 385-393.	7.9	19
135	Recovery of sludge produced from Ti-salt flocculation as pretreatment to seawater reverse osmosis. <i>Desalination</i> , 2009, 247, 53-63.	8.3	18
136	Spatial distribution and viability of nitrifying, denitrifying and ANAMMOX bacteria in biofilms of sponge media retrieved from a full-scale biological nutrient removal plant. <i>Bioprocess and Biosystems Engineering</i> , 2012, 35, 1157-1165.	3.5	18
137	The effect of doping temperature on the nitrogen-bonding configuration of nitrogen-doped graphene by hydrothermal treatment. <i>RSC Advances</i> , 2017, 7, 20738-20741.	3.7	18
138	Extended performance study of forward osmosis during wastewater reclamation: Quantification of fouling-based concentration polarization effects on the flux decline. <i>Journal of Membrane Science</i> , 2021, 618, 118755.	8.3	18
139	Full-scale study on dynamic state membrane bio-reactor with modified intermittent aeration. <i>Desalination</i> , 2007, 202, 99-105.	8.3	17
140	Energy saving methodology for the SWRO desalination process: control of operating temperature and pressure. <i>Desalination</i> , 2009, 247, 260-270.	8.3	17
141	A control methodology for the feed water temperature to optimize SWRO desalination process using genetic programming. <i>Desalination</i> , 2009, 247, 190-199.	8.3	17
142	Bacterial aox genotype from arsenic contaminated mine to adjacent coastal sediment: Evidences for potential biogeochemical arsenic oxidation. <i>Journal of Hazardous Materials</i> , 2011, 193, 233-242.	12.6	17
143	Assessment of different ceramic filtration membranes as a separator in microbial fuel cells. <i>Desalination and Water Treatment</i> , 2016, 57, 28077-28085.	1.0	17
144	Copper-graphene heterostructure for back-end-of-line compatible high-performance interconnects. <i>Npj 2D Materials and Applications</i> , 2021, 5, .	8.3	17

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145	Brine desalination via pervaporation using kaolin-intercalated hydrolyzed polyacrylonitrile membranes. <i>Separation and Purification Technology</i> , 2022, 281, 119874.	8.1	17
146	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2000, 16, 425-430.	3.7	16
147	Characteristics of bio-foulants in the membrane bioreactor. <i>Desalination</i> , 2006, 200, 201-202.	8.3	16
148	Proapoptotic effect of a micropollutant (tris-(2-chloroethyl)-phosphate) at environmental level in primary cultured renal proximal tubule cells. <i>Journal of Water and Health</i> , 2012, 10, 522-530.	2.6	16
149	Comparison of different semipermeable membranes for power generation and water flux in osmotic microbial fuel cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 2305-2312.	3.1	16
150	Blockade of dopamine D ₁ -family receptors attenuates the mania-like hyperactive, risk-preferring, and high motivation behavioral profile of mice with low dopamine transporter levels. <i>Journal of Psychopharmacology</i> , 2017, 31, 1334-1346.	4.2	16
151	Performance evaluation of polyamide TFC membranes: Effects of free volume properties on boron transport. <i>Desalination</i> , 2018, 432, 104-114.	8.3	16
152	Chemically Prelithiated Graphene for Anodes of Li-Ion Batteries. <i>Energy & Fuels</i> , 2020, 34, 13048-13055.	5.2	16
153	Antiviral Nanomaterials for Designing Mixed Matrix Membranes. <i>Membranes</i> , 2021, 11, 458.	3.0	16
154	Impact of chloroanilines on hydrogenotrophic methanogenesis in ethanol-enriched cultures. <i>Water Research</i> , 1996, 30, 601-612.	11.4	15
155	Flow Cytometric Detection of <i>Bacillus spoOA</i> Gene in Biofilm Using Quantum Dot Labeling. <i>Analytical Chemistry</i> , 2010, 82, 2836-2843.	6.8	15
156	Comparative pyrosequencing analysis of bacterial community change in biofilm formed on seawater reverse osmosis membrane. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 125-136.	2.4	15
157	Cleaning efficacy of hydroxypropyl-beta-cyclodextrin for biofouling reduction on reverse osmosis membranes. <i>Biofouling</i> , 2016, 32, 359-370.	2.2	15
158	Optimization of chemical cleaning for reverse osmosis membranes with organic fouling using statistical design tools. <i>Environmental Engineering Research</i> , 2018, 23, 474-484.	2.6	15
159	The optimum substrate to biomass ratio to reduce net biomass yields and inert compounds in biological leachate treatment under pure-oxygen conditions. <i>Bioprocess and Biosystems Engineering</i> , 2000, 23, 0235-0243.	3.5	14
160	Photocurrent and photoelectrochemical hydrogen production with tin porphyrin and platinum nanowires immobilized with nafion on glassy carbon electrode. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 110-114.	7.2	14
161	Development of a package model for process simulation and cost estimation of seawater reverse osmosis desalination plant. <i>Desalination</i> , 2009, 247, 326-335.	8.3	13
162	Metastasis-Associated Cell Surface Oncoproteomics. <i>Frontiers in Pharmacology</i> , 2012, 3, 192.	3.6	13

#	ARTICLE	IF	CITATIONS
163	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.	9.5	13
164	Tuning the nanostructure of nitrogen-doped graphene laminates for forward osmosis desalination. <i>Nanoscale</i> , 2019, 11, 22025-22032.	5.8	13
165	Atomic layer deposition and electrospinning as membrane surface engineering methods for water treatment: a short review. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1765-1785.	2.2	13
166	Analysis of Total Bacteria, Enteric Members of β -proteobacteria and Microbial Communities in Seawater as Indirect Indicators for Quantifying Biofouling. <i>Environmental Engineering Research</i> , 2009, 14, 19-25.	2.6	13
167	Denitrification of Drinking Water Using Biofilms Formed by <i>Paracoccus denitrificans</i> and Microbial Adhesion. <i>Environmental Engineering Science</i> , 2004, 21, 283-290.	1.7	12
168	Development of pseudo-amphoteric sponge media using polyalkylene oxide-modified polydimethylsiloxane (PDMS) for rapid start-up of wastewater treatment plant. <i>Chemosphere</i> , 2008, 71, 961-968.	8.4	12
169	Cellular effect evaluation of micropollutants using transporter functions of renal proximal tubule cells. <i>Chemosphere</i> , 2009, 77, 968-974.	8.4	12
170	Nitrification and denitrification using biofilters packed with sulfur and limestone at a pilot-scale municipal wastewater treatment plant. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 1271-1278.	2.4	12
171	Potential effects of damaged <i>Pseudomonas aeruginosa</i> PAO1 cells on development of reverse osmosis membrane biofouling. <i>Journal of Membrane Science</i> , 2015, 477, 86-92.	8.3	12
172	Applications of nisin for biofouling mitigation of reverse osmosis membranes. <i>Desalination</i> , 2018, 429, 52-59.	8.3	12
173	Activity monitoring for nitrifying bacteria by fluorescence in situ hybridization and respirometry. <i>Environmental Monitoring and Assessment</i> , 2001, 70, 223-231.	2.7	11
174	Quantifying the influence of divalent cations mass transport on critical flux and organic fouling mechanism of forward osmosis membrane. <i>Desalination</i> , 2021, 512, 115146.	8.3	11
175	Advanced treatment of Membrane Bioreactor (MBR) effluents for effective wastewater reclamation. <i>Water Science and Technology</i> , 2011, 63, 303-310.	2.5	10
176	Qualitative analysis of the most toxic and abundant microcystin variants (LR, RR, and YR) by using LCMS-IT-TOF. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 29, 375-381.	6.0	10
177	Tumor necrosis factor α -converting enzyme inhibitor attenuates lipopolysaccharide-induced reactive oxygen species and mitogen-activated protein kinase expression in human renal proximal tubule epithelial cells. <i>Korean Journal of Physiology and Pharmacology</i> , 2018, 22, 135.	2.3	10
178	Insight into fouling potential analysis of a pilot-scale pressure-assisted forward osmosis plant for diluted seawater reverse osmosis desalination. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 98, 237-246.	6.0	10
179	Concrete-structured Nafion@MXene/Cellulose acetate cation exchange membrane for reverse electro dialysis. <i>Journal of Membrane Science</i> , 2022, 646, 120239.	8.3	10
180	Enhancing the Dye-Rejection Efficiencies and Stability of Graphene Oxide-Based Nanofiltration Membranes via Divalent Cation Intercalation and Mild Reduction. <i>Membranes</i> , 2022, 12, 402.	3.0	10

#	ARTICLE	IF	CITATIONS
181	Determining Brownian and shear-induced diffusivity of nano- and micro-particles for sustainable membrane filtration. <i>Desalination</i> , 2006, 188, 213-216.	8.3	9
182	Relationship between the electric conductivity and phosphorus concentration variations in an enhanced biological nutrient removal process. <i>Water Science and Technology</i> , 2007, 55, 203-208.	2.5	9
183	Improvement of biohydrogen generation and seawater desalination in a microbial electro dialysis cell by installing the direct proton transfer pathway between the anode and cathode chambers. <i>Desalination and Water Treatment</i> , 2013, 51, 6362-6369.	1.0	9
184	Reflection of the structural distinctions of source-â€”different humic substances on organic fouling behaviors of SWRO membranes. <i>Desalination</i> , 2013, 318, 72-78.	8.3	9
185	Influence of pressurized anode chamber on ion transports and power generation of UF membrane microbial fuel cells (UF-MFCs). <i>Journal of Power Sources</i> , 2015, 279, 731-736.	8.0	9
186	Antibacterial rGO-â€”CuO-â€”Ag film with contact- and release-based inactivation properties. <i>Environmental Research</i> , 2020, 191, 110130.	7.7	9
187	Effect of size fractioned alginate-based transparent exopolymer particles on initial bacterial adhesion of forward osmosis membrane support layer. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 94, 408-418.	6.0	9
188	Biofilm as a live and in-situ formed membrane for solids separation in bioreactors: Biofilm succession governs resistance variation demonstrated during the start-up period. <i>Journal of Membrane Science</i> , 2020, 608, 118197.	8.3	9
189	Modeling of the fate and effect of chlorinated phenols in anaerobic treatment processes. <i>Water Science and Technology</i> , 1997, 36, 287-294.	2.5	9
190	Recent Progress in One- and Two-Dimensional Nanomaterial-Based Electro-Responsive Membranes: Versatile and Smart Applications from Fouling Mitigation to Tuning Mass Transport. <i>Membranes</i> , 2021, 11, 5.	3.0	9
191	Comparative Analysis of Seawater Desalination Technology in Korea and Overseas. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2016, 38, 255-268.	1.1	9
192	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
193	Low-Power Complementary Logic Circuit Using Polymer-Electrolyte-Gated Graphene Switching Devices. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47247-47252.	8.3	8
194	THE EFFECT OF AIR BUBBLES FROM DISSOLVED GASES ON THE MEMBRANE FOULING IN THE HOLLOW FIBER SUBMERGED MEMBRANE BIO-REACTOR (SMBR). <i>Environmental Engineering Research</i> , 2006, 11, 91-98.	2.6	8
195	Taxon-specific Content of Oligonucleotide Triplets in 16S rRNAs of Anoxygenic Phototrophic and Nitrifying Bacteria. <i>Journal of Theoretical Biology</i> , 1999, 196, 289-296.	1.7	7
196	Monitoring the impact of dissolved oxygen and nitrite on anoxic biofilm in continuous denitrification process. <i>Environmental Monitoring and Assessment</i> , 2003, 87, 133-144.	2.7	7
197	Effect of High Oxygen Concentrations on Nitrification and Performance of High-Purity Oxygen A/O Biofilm Process. <i>Environmental Engineering Science</i> , 2004, 21, 273-281.	1.7	7
198	Study on mass production of aquaporinZ for biomimetic water purification membrane. <i>Desalination and Water Treatment</i> , 2013, 51, 6370-6377.	1.0	7

#	ARTICLE	IF	CITATIONS
199	Anode direct contact for enhancing power generation and biofouling reduction in ultrafiltration microbial fuel cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1767-1771.	3.1	7
200	Influence of hydrophobic and electrostatic membrane surface properties on biofouling in a submerged membrane bioreactor under different filtration modes. <i>Desalination and Water Treatment</i> , 2016, 57, 26641-26647.	1.0	7
201	Evaluation of energy and water recovery in forward osmosis–bioelectrochemical hybrid system with cellulose triacetate and polyamide asymmetric membrane in different orientations. <i>Desalination and Water Treatment</i> , 2016, 57, 7406-7413.	1.0	7
202	Transport analysis of particulate matter in media-saturated mesh tube filter for the desalination primary pretreatment process. <i>Desalination</i> , 2020, 495, 114642.	8.3	7
203	Performance Evaluation and Fouling Propensity of Forward Osmosis (FO) Membrane for Reuse of Spent Dialysate. <i>Membranes</i> , 2020, 10, 438.	3.0	7
204	Fabrication of hollow fiber membranes with different inner diameters for enhanced uremic toxins removal in hemodialysis: Exploring from high-flux to high molecular weight retention onset classes. <i>Journal of Membrane Science</i> , 2022, 663, 121065.	8.3	7
205	The effect of environmental micropollutant (DEET) on the expression of cell cycle and apoptosis regulatory proteins in human cells. <i>Biotechnology and Bioprocess Engineering</i> , 2011, 16, 400-406.	2.6	6
206	Experimental Evaluation and Resident's Assessment of Zero Food Waste System in Multi-family Housing Estates. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2015, 37, 674-681.	1.1	6
207	High recovery and fouling resistant double stage seawater reverse osmosis: An inter-stage ERD configuration optimized with internally-stage design (ISD). <i>Desalination</i> , 2022, 521, 115401.	8.3	6
208	Comparative Analysis of Vertical Heterogeneity of Microbial Community in Sulfur-Packed Reactor Used for Autotrophic Nitrate Removal. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2004, 39, 1805-1818.	1.7	5
209	Photoelectronic characterization of IgG antibody molecule–quantum dot hybrid as biosensing probe. <i>Nanotechnology</i> , 2010, 21, 425501.	2.7	5
210	Effect of chemical cleaning on membrane biofouling in seawater reverse osmosis processes. <i>Desalination and Water Treatment</i> , 2011, 33, 289-294.	1.0	5
211	Effects of aeration on/off times and hydraulic retention times in an intermittently aerated membrane bioreactor. <i>Desalination and Water Treatment</i> , 2016, 57, 7574-7581.	1.0	5
212	Practical Considerations of Wastewater–Seawater Integrated Reverse Osmosis: Design Constraint by Boron Removal. <i>Membranes</i> , 2021, 11, 240.	3.0	5
213	Coupled Processes of Fluid Flow, Solute Transport, and Geochemical Reactions in Reactive Barriers. <i>Vadose Zone Journal</i> , 2004, 3, 867-874.	2.4	4
214	Respirometric Monitoring for the Determination of Effective Height and Reaction Rate Constant in Up-Flow Autotrophic Denitrification Reactor Packed with Sulfur. <i>Environmental Monitoring and Assessment</i> , 2005, 104, 221-234.	2.7	4
215	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
216	Performance enhancement of MBR operated with aerobic granules on membrane filterability improvement. <i>Desalination and Water Treatment</i> , 2012, 43, 323-331.	1.0	4

#	ARTICLE	IF	CITATIONS
217	An Improved Configuration of Vertical-Flow Mesh Tube Filters for Seawater Pretreatment: Performance, Cleaning, and Energy Consumption. <i>Water (Switzerland)</i> , 2020, 12, 2804.	2.8	4
218	Large-Area Bernal-Stacked Bilayer Graphene Film on a Uniformly Rough Cu Surface via Chemical Vapor Deposition. <i>ACS Applied Electronic Materials</i> , 2021, 3, 2497-2503.	4.4	4
219	An improved perm-selectivity prediction of forward osmosis membrane by incorporating the effect of the surface charge on the solute partitioning. <i>Journal of Membrane Science</i> , 2021, 629, 119303.	8.3	4
220	Effect of Flocculation in Membrane-Flocculation Hybrid System in Water Reuse. <i>Separation Science and Technology</i> , 2005, 39, 1871-1883.	2.5	3
221	Potential integration of cadmium lab chip with immunoassay using quantum dot/antibody probe for detection of microcystin-LR. <i>Desalination and Water Treatment</i> , 2011, 33, 382-388.	1.0	3
222	Microbial desalination cell for concurrent hydrogen peroxide production and desalination. <i>Journal of Environmental Engineering and Science</i> , 2014, 9, 197-206.	0.9	3
223	Membrane-Based Desalination Technology for Energy Efficiency and Cost Reduction. , 2017, , 31-74.		3
224	Osmotic membrane under spacer-induced mechanical compression: Performance evaluation and 3D mechanical simulation for module optimization. <i>Journal of Membrane Science</i> , 2022, 641, 119875.	8.3	3
225	Estimation of Water Production Cost from Seawater Reverse Osmosis (SWRO) Plant in Korea. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2017, 39, 169-179.	1.1	3
226	Simultaneous Removal of Volatile Organic Compounds (VOCs) and Nitrogen: Batch Test. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2003, 38, 2955-2966.	1.7	2
227	Changes in Mixed Liquor and Organic Foulant Properties Affect Membrane Fouling for Non-Nitrifying and Nitrifying Biological Conditions. <i>Water Environment Research</i> , 2009, 81, 255-264.	2.7	2
228	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
229	Bioconjugation of gold nanoparticles with DNA for <i>in situ</i> hybridization. <i>Desalination and Water Treatment</i> , 2012, 46, 38-45.	1.0	2
230	Transport characteristics of wastewater effluent organic matter in nanofiltration and ultrafiltration membranes. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2003, 52, 129-139.	1.4	2
231	Numerical study of fluid behavior on protruding shapes within the inlet part of pressurized membrane module using computational fluid dynamics. <i>Environmental Engineering Research</i> , 2020, 25, 498-505.	2.6	2
232	Coupled Processes of Fluid Flow, Solute Transport, and Geochemical Reactions in Reactive Barriers. <i>Vadose Zone Journal</i> , 2004, 3, 867-874.	2.4	2
233	Bioelectrochemical Production of Hydrogen from Organic Waste. <i>Biofuels and Biorefineries</i> , 2015, , 249-281.	0.0	2
234	Modeling of flow uniformity by installing inlet distributor within the inflow part of a pressurized module using computational fluid dynamics. <i>Environmental Engineering Research</i> , 2020, 25, 969-976.	2.6	2

#	ARTICLE	IF	CITATIONS
235	Number of Triplets in 16S rRNA Gene Related with Pathogenicity of Bacillus spp. and Clostridium spp.. Journal of Theoretical Biology, 2000, 205, 581-586.	1.7	1
236	Quantitative analysis of the trophic groups with a fluorescence in situ hybridization (FISH) and the competitive kinetics of a propionate enriched anaerobic culture. Biotechnology and Bioprocess Engineering, 2009, 14, 523-530.	2.6	1
237	Multiple hybridizations using quantum dot-DNA probes for rapid analysis of microbial community on reverse osmosis membrane. Desalination, 2009, 247, 295-302.	8.3	1
238	Effect of dead cells on biofouling in the reverse osmosis process. Water Science and Technology: Water Supply, 2013, 13, 1396-1401.	2.1	1
239	Characterization and Seawater Filtration Performance of Commercial Microfiltration and Ultrafiltration Membranes. Daehan Hwan'gyeong Gonghag Hoeji, 2017, 39, 542-547.	1.1	1
240	Development of Graphene Nanocomposite Membrane Using Layer-by-layer Technique for Desalination. Membrane Journal, 2018, 28, 75-82.	0.4	1
241	Biofouling in Osmotic Membrane Bioreactor. , 2015, , 241-275.		0
242	Editorial: Journal of Water Reuse and Desalination moves to Open Access. Journal of Water Reuse and Desalination, 2016, 6, 465-465.	2.3	0
243	The characteristic of passive adsorption using the submerged hydrophilic membrane in biological treatment process. Desalination and Water Treatment, 2016, 57, 26648-26656.	1.0	0
244	Bibliometric Analysis of Financial Technology. Advances in social science, education and humanities research, 0, , .	0.0	0
245	Environmental Engineering Research Launches New Format. Environmental Engineering Research, 0, , 1-1.	2.6	0
246	Structure Parameter Change Estimation of a Forward Osmosis Membrane Under Pressurized Conditions in Pressure-assisted Forward Osmosis (PAFO). Membrane Journal, 2016, 26, 187-196.	0.4	0
247	Effect of Intermittent Pressure-Assisted Forward Osmosis (I-PAFO) Operation on Colloidal Membrane Fouling and Physical Cleaning Efficiency. Membrane Journal, 2016, 26, 273-280.	0.4	0
248	Preparation of Polysulfone Composite Ultrafiltration Hollow Fiber Membranes Incorporating Nano-size Fumed Silica with Enhanced Antifouling Properties. Membrane Journal, 2018, 28, 379-387.	0.4	0
249	Effect of Twisted Hollow Fiber Membranes in a Module: Computational Fluid Dynamics Simulations on the Pressure and Concentration Profile of the Module in the forward Osmosis. Membrane Journal, 2020, 30, 66-77.	0.4	0
250	Bacterial adhesion inhibition on water treatment membrane by a modified HHC-36 antimicrobial peptide. Environmental Engineering Research, 0, , .	2.6	0
251	Design of robust hollow fiber membranes using an advanced co-extrusion technology for enhanced hemodialysis. Chemical Engineering Journal, 2024, 493, 152678.	13.0	0
252	Development of large-scale laminar-structure nanofiltration membranes for high dye rejection and enhanced robustness: Utilizing potassium ion-crosslinked graphene oxide and polyethyleneimine surface coating. Chemical Engineering Research and Design, 2024, 208, 269-278.	5.7	0

#	ARTICLE	IF	CITATIONS
253	Facile fabrication of robust and tight PIMs-based TFC hollow fiber membranes with a semi-interpenetrating polymer network via liquid phase cross-linking for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 0, 713, 123338.	8.3	0