Chemical and physical aspects of natural organic matte membranes

Journal of Membrane Science 132, 159-181 DOI: 10.1016/s0376-7388(97)00060-4

Citation Report

#	Article	IF	CITATIONS
2	Nanofiltration of natural organic matter: Removal, fouling and the influence of multivalent ions. Desalination, 1998, 118, 109-122.	8.2	207
3	Application of nanofiltration for recycling of paper regeneration wastewater and characterization of filtration resistance. Desalination, 1998, 119, 169-176.	8.2	23
4	Effect of humic substances and anionic surfactants on the surface charge and performance of reverse osmosis membranes. Desalination, 1998, 118, 167-174.	8.2	85
5	Diffusion and partitioning of humic acid in a porous ultrafiltration membrane. Journal of Membrane Science, 1998, 143, 13-25.	8.2	67
6	Nanofiltration Foulants from a Treated Surface Water. Environmental Science & Technology, 1998, 32, 3612-3617.	10.0	107
7	The effect of CA membrane properties on adsorptive fouling by humic acid. Journal of Membrane Science, 1999, 154, 73-87.	8.2	213
8	Humic acid fouling during microfiltration. Journal of Membrane Science, 1999, 157, 1-12.	8.2	375
9	Effects of solution environment on humic acid fouling during microfiltration. Desalination, 1999, 122, 63-76.	8.2	121
10	Electrical Resistance and Transport Numbers of Ion-Exchange Membranes Used in Electrodialytic Soil Remediation. Separation Science and Technology, 1999, 34, 2223-2233.	2.5	19
11	Membrane filtration of natural organic matter: initial comparison of rejection and flux decline characteristics with ultrafiltration and nanofiltration membranes. Water Research, 1999, 33, 2517-2526.	11.3	251
12	Effects of aquatic humic substances on a hydrophobic ultrafiltration membrane. Chemosphere, 1999, 38, 3485-3496.	8.2	42
13	Potable Water Quality and Membrane Technology. Laboratory Medicine, 2000, 31, 563-568.	1.2	22
14	Evaluation of nanofiltration pretreatments for flux loss control. Desalination, 2000, 130, 31-44.	8.2	69
15	Photochemical modification of poly(ether sulfone) and sulfonated poly(sulfone) nanofiltration membranes for control of fouling by natural organic matter. Desalination, 2000, 132, 133-142.	8.2	129
16	Seasonal variations of nanofiltration (NF) foulants: identification and control. Desalination, 2000, 132, 143-160.	8.2	99
17	The uses of non-steady-state membrane characterisation techniques for the study of transport properties of active layers of nanofiltration membranes: theory with experimental examples. Chemical Engineering Journal, 2000, 80, 203-214.	12.7	28
18	Removal of assimilable organic carbon and biodegradable dissolved organic carbon by reverse osmosis and nanofiltration membranes. Journal of Membrane Science, 2000, 175, 1-17.	8.2	88
19	Surface energy of experimental and commercial nanofiltration membranes: effects of wetting and natural organic matter fouling. Journal of Membrane Science, 2000, 175, 61-73.	8.2	111

#	Article	IF	CITATIONS
20	Membrane filtration of natural organic matter: factors and mechanisms affecting rejection and flux decline with charged ultrafiltration (UF) membrane. Journal of Membrane Science, 2000, 164, 89-110.	8.2	327
21	Fouling effects of polysaccharides and humic acid in nanofiltration. Journal of Membrane Science, 2000, 165, 1-17.	8.2	149
22	Identification of surface chemical functional groups correlated to failure of reverse osmosis polymeric membranes. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2000, 18, 1107-1113.	2.1	52
23	Relating Nanofiltration Membrane Performance to Membrane Charge (Electrokinetic) Characteristics. Environmental Science & Technology, 2000, 34, 3710-3716.	10.0	591
24	Effect of functional groups of humic substances on uf performance. Water Research, 2001, 35, 2395-2402.	11.3	106
25	Simplified Analysis of Contaminant Rejection During Ground- and Surface Water Nanofiltration Under the Information Collection Rule. Water Research, 2001, 35, 2460-2474.	11.3	63
26	Stabilized landfill leachate treatment by combined physicochemical–nanofiltration processes. Water Research, 2001, 35, 2935-2942.	11.3	222
27	Cleaning strategies for flux recovery of an ultrafiltration membrane fouled by natural organic matter. Water Research, 2001, 35, 3301-3308.	11.3	183
28	Membrane and solution effects on solute rejection and productivity. Water Research, 2001, 35, 4426-4434.	11.3	14
29	Assimilable organic carbon (AOC) and biodegradable dissolved organic carbon (BDOC):. Water Research, 2001, 35, 4444-4454.	11.3	127
30	Ultrafiltration of protein and humic substances: effect of solution chemistry on fouling and flux decline. Journal of Membrane Science, 2001, 193, 163-173.	8.2	110
31	Effect of hydrocarbon contaminants on the performance of RO membranes. Desalination, 2001, 138, 283-289.	8.2	14
32	An experimental study of humid acid and powdered activated carbon deposition on UF membranes and their removal by backwashing. Desalination, 2001, 140, 195-209.	8.2	57
33	Complex fouling and cleaning-in-place of a reverse osmosis desalination system. Desalination, 2001, 141, 15-22.	8.2	44
34	Streaming potential measurements to assess the variation of nanofiltration membranes surface charge with the concentration of salt solutions. Separation and Purification Technology, 2001, 22-23, 529-541.	7.9	176
35	Novel Block Copolymers as Nanofiltration Materials. Environmental Engineering Science, 2002, 19, 497-511.	1.6	11
36	Cost Optimization of Nanofiltration with Fouling by Natural Organic Matter. Journal of Environmental Engineering, ASCE, 2002, 128, 967-973.	1.4	14
37	Effects of chloramination and site specific issues on nanofiltration flux loss and foulant characteristics. Journal of Environmental Engineering and Science, 2002, 1, 371-381.	0.8	1

#	Article	IF	CITATIONS
38	Effects of Natural Organic Matter and Ionic Species on Membrane Surface Charge. Environmental Science & Sc	10.0	167
39	Composite Fouling Characteristics of Calcium Oxalate Monohydrate and Amorphous Silica by a Novel Approach Simulating Successive Effects of a Sugar Mill Evaporator. Industrial & Engineering Chemistry Research, 2002, 41, 3379-3388.	3.7	23
40	Influence of Crossflow Membrane Filter Geometry and Shear Rate on Colloidal Fouling in Reverse Osmosis and Nanofiltration Separations. Environmental Engineering Science, 2002, 19, 357-372.	1.6	254
41	Modeling Flux Decline during Nanofiltration of NOM with Poly(arylsulfone) Membranes Modified Using UV-Assisted Graft Polymerization. Environmental Engineering Science, 2002, 19, 477-495.	1.6	43
42	Effect of solution physico-chemistry on the charge property of nanofiltration membranes. Water Research, 2002, 36, 585-598.	11.3	66
43	Effect of solution chemistry on assimilable organic carbon removal by nanofiltration: full and bench scale evaluation. Journal of Water Supply: Research and Technology - AQUA, 2002, 51, 67-76.	1.4	10
44	Effects of pulsed electric fields on membrane fouling in electrodialysis of NaCl solution containing humate. Separation and Purification Technology, 2002, 27, 89-95.	7.9	128
45	Efficiency of various chemical cleanings for nanofiltration membrane fouled by conventionally-treated surface water. Journal of Membrane Science, 2002, 195, 265-276.	8.2	150
46	Analysis of humic acid fouling during microfiltration using a pore blockage–cake filtration model. Journal of Membrane Science, 2002, 198, 51-62.	8.2	200
47	Polyelectrolyte-grafted microfiltration membranes to control fouling by natural organic matter in drinking water. Journal of Membrane Science, 2002, 203, 3-13.	8.2	102
48	Separation of humic acid from a model surface water with PSU/SPEEK blend UF/NF membranes. Journal of Membrane Science, 2002, 206, 417-429.	8.2	79
49	Characterization of anion exchange membranes fouled with humate during electrodialysis. Journal of Membrane Science, 2002, 203, 115-126.	8.2	90
50	Coupling between chemical and physical interactions in natural organic matter (NOM) fouling of nanofiltration membranes: implications for fouling control. Journal of Membrane Science, 2002, 203, 245-255.	8.2	360
51	Assessing short-range membrane–colloid interactions using surface energetics. Journal of Membrane Science, 2002, 203, 257-273.	8.2	379
52	Flow field-flow fractionation as an analytical technique to rapidly quantitate membrane fouling. Journal of Membrane Science, 2002, 209, 93-106.	8.2	43
53	Modification of commercial water treatment membranes by ion beam irradiation. Desalination, 2002, 146, 259-264.	8.2	30
54	A novel application of a submerged nanofiltration membrane bioreactor (NF MBR) for wastewater treatment. Desalination, 2002, 146, 413-420.	8.2	91
55	RO and NF membrane fouling and cleaning and pore size distribution variations. Desalination, 2002, 150, 113-120.	8.2	52

#	Article	IF	CITATIONS
56	Adsorptive fouling of inorganic membranes during microfiltration of vegetable oils. European Journal of Lipid Science and Technology, 2003, 105, 138-148.	1.5	14
57	Effect of surface-modifying macromolecules and membrane morphology on fouling of polyethersulfone ultrafiltration membranes. Journal of Applied Polymer Science, 2003, 88, 3132-3138.	2.6	43
58	Characterization of anion exchange membranes with natural organic matter (NOM) during electrodialysis. Desalination, 2003, 151, 43-52.	8.2	50
59	Adsorption of humic acid by powdered activated carbon in saline water conditions. Desalination, 2003, 151, 53-66.	8.2	94
60	pH adjustment for seasonal control of UF fouling by natural waters. Desalination, 2003, 151, 165-175.	8.2	38
61	Nanofiltration of a German groundwater of high hardness and NOM content: performance and costs. Desalination, 2003, 151, 253-265.	8.2	88
62	Development of fouling control strategies pertinent to nanofiltration membranes. Desalination, 2003, 153, 125-131.	8.2	25
63	A high flux ultrafiltration membrane spun from PSU/PVP (K90)/DMF/1,2-propanediol. Journal of Membrane Science, 2003, 211, 139-147.	8.2	101
64	Predicting contaminant removal during municipal drinking water nanofiltration using artificial neural networks. Journal of Membrane Science, 2003, 212, 99-112.	8.2	52
65	The chemical cleaning of polymeric UF membranes fouled with spent sulphite liquor over multiple operational cycles. Journal of Membrane Science, 2003, 216, 67-79.	8.2	86
66	Predicting membrane fouling during municipal drinking water nanofiltration using artificial neural networks. Journal of Membrane Science, 2003, 217, 69-86.	8.2	115
67	Modes of Natural Organic Matter Fouling during Ultrafiltration. Environmental Science & Technology, 2003, 37, 1676-1683.	10.0	129
68	A permeability-controlled microfiltration membrane for reduced fouling in drinking water treatment. Water Research, 2003, 37, 585-588.	11.3	32
69	Humic acids coagulation: influence of divalent cations. Applied Geochemistry, 2003, 18, 1573-1582.	3.0	140
70	Nanofiltration membrane fouling by conventionally treated surface water. Water Science and Technology: Water Supply, 2003, 3, 183-190.	2.1	2
71	Natural organic matter fouling and chemical cleaning of nanofiltration membranes. Water Science and Technology: Water Supply, 2004, 4, 245-251.	2.1	11
72	NOM removal from different raw waters by membrane filtration. Water Science and Technology: Water Supply, 2004, 4, 165-174.	2.1	12
73	Impact of Membrane Surface Modification on the Treatment of Surface Water. Journal of Environmental Engineering, ASCE, 2004, 130, 1450-1459.	1.4	22

ARTICLE IF CITATIONS Removal of $17\hat{l}^2$ Estradiol and Fluoranthene by Nanofiltration and Ultrafiltration. Journal of 1.4 74 74 Environmental Engineering, ASCE, 2004, 130, 1460-1467. Manufacturing conditions of surface-modified membranes: effects on ultrafiltration performance. Separation and Purification Technology, 2004, 37, 51-67. Ultrafiltration of water containing natural organic matter: heavy metal removing in the hybrid 76 7.9 78 complexation–ultrafiltration process. Separation and Purification Technology, 2004, 40, 155-162. Organic Fouling and Chemical Cleaning of Nanofiltration Membranes:Â Measurements and Mechanisms. 700 Environmental Science & amp; Technology, 2004, 38, 4683-4693. Sonochemical reactions of dissolved organic matter. Research on Chemical Intermediates, 2004, 30, 78 2.7 33 735-753. A comprehensive review of nanofiltration membranes: Treatment, pretreatment, modelling, and atomic 79 8.2 force microscopy. Desalination, 2004, 170, 281-308. Fouling of UF membrane by humic substance: Effects of molecular weight and powder-activated 80 8.2 99 carbon (PAC) pre-treatment. Desalination, 2004, 170, 59-67. Effect of salt concentration during the treatment of humic acid solutions by membrane distillation. 8.2 Desalination, 2004, 168, 373-381 Direct contact membrane distillation of humic acid solutions. Journal of Membrane Science, 2004, 82 8.2 115 240, 123-128. Nanofiltration of natural organic matter with H2O2/UV pretreatment: fouling mitigation and 8.2 membrane surface characterization. Journal of Membrane Science, 2004, 241, 143-160. Natural organic matter removal by nanofiltration: effects of solution chemistry on retention of low 84 8.2 74 molar mass acids versus bulk organic matter. Journal of Membrane Science, 2004, 242, 73-85. Evaluation of the performance of tight-UF membranes with respect to NOM removal using effective 8.2 28 MWCO, molecular weight, and apparent diffusivity of NOM. Desalination, 2004, 164, 53-62. Removal of heavy metals from wastewater by membrane processes: a comparative study. Desalination, 86 8.2 465 2004, 164, 105-110. Flux decline during nanofiltration of naturally-occurring dissolved organic matter: effects of osmotic pressure, membrane permeability, and cake formation. Journal of Membrane Science, 2004, 239, 87 8.2 39-53. Effects of water chemistries and properties of membrane on the performance and fouling—a model 88 8.2 87 development study. Journal of Membrane Science, 2004, 238, 33-46. Applicability of Sherwood correlations for natural organic matter (NOM) transport in 89 nanofiltration (NF) membranes. Journal of Membrane Science, 2004, 240, 49-65. Removal of natural organic matter by ultrafiltration and nanofiltration for drinking water 90 8.2 31 production. Desalination, 2004, 169, 223-230. Bacterial adhesion to glass and metal-oxide surfaces. Colloids and Surfaces B: Biointerfaces, 2004, 36, 81-90.

#	Article	IF	CITATIONS
92	Enhancement of the natural organic matter removal from drinking water by nanofiltration. Environmental Technology (United Kingdom), 2004, 25, 283-291.	2.2	16
93	Effects of reverse osmosis isolation on reactivity of naturally occurring dissolved organic matter in physicochemical processes. Water Research, 2004, 38, 1026-1036.	11.3	35
94	Characterizing algogenic organic matter (AOM) and evaluating associated NF membrane fouling. Water Research, 2004, 38, 1427-1438.	11.3	293
95	Membrane Fouling Test: Apparatus Evaluation. Journal of Environmental Engineering, ASCE, 2004, 130, 90-99.	1.4	44
96	Removal of natural organic matter by ultrafiltration and nanofiltration for drinking water production. Desalination, 2004, 169, 223-230.	8.2	23
97	A Review of Biofouling and its Control in Membrane Separation Bioreactors. Water Environment Research, 2004, 76, 425-436.	2.7	141
98	Ion Beam Irradiation Modifications of a Commercial Polyether Sulfone Water-Treatment Membrane. Environmental Chemistry, 2004, 1, 55.	1.5	10
99	Effects of pH and antiscalant on fouling of RO membrane for reclamation of spent rinse water from metal plating. Separation and Purification Technology, 2005, 46, 46-50.	7.9	12
100	Microcystins removal by nanofiltration membranes. Separation and Purification Technology, 2005, 46, 192-201.	7.9	61
101	Hollow fiber ultrafiltration membranes with enhanced flux for humic acid removal. Journal of Membrane Science, 2005, 247, 119-125.	8.2	21
102	A study of ultrafiltration membrane fouling by humic acids and flux recovery by backwashing: Experiments and modeling. Journal of Membrane Science, 2005, 266, 40-50.	8.2	262
103	The effect of WWTP effluent zeta-potential on direct nanofiltration performance. Journal of Membrane Science, 2005, 266, 80-93.	8.2	25
104	Membrane potentials across nanofiltration membranes: effect of nanoscaled cavity structure. Journal of Molecular Structure, 2005, 739, 99-104.	3.6	12
105	Combined influence of natural organic matter (NOM) and colloidal particles on nanofiltration membrane fouling. Journal of Membrane Science, 2005, 262, 27-41.	8.2	196
106	Effect of operating parameters on permeate flux decline caused by cake formation — a model study. Desalination, 2005, 171, 95-105.	8.2	25
107	Effects of retained natural organic matter (NOM) on NOM rejection and membrane flux decline with nanofiltration and ultrafiltration. Desalination, 2005, 173, 209-221.	8.2	68
108	Fouling studies of a polyamide nanofiltration membrane by selected natural organic matter: an analytical approach. Desalination, 2005, 173, 223-238.	8.2	53
109	Characterizations of NOM included in NF and UF membrane permeates. Desalination, 2005, 173, 131-142.	8.2	41

#	Article	IF	CITATIONS
110	The influence of morphology, hydrophobicity and charge upon the long-term performance of ultrafiltration membranes fouled with spent sulphite liquor. Desalination, 2005, 175, 73-85.	8.2	85
111	Application of various membranes to remove NOM typically occurring in Korea with respect to DBP, AOC and transport parameters. Desalination, 2005, 178, 161-169.	8.2	27
112	Studies on nanofiltration membrane fouling in the treatment of water solutions containing humic acids. Desalination, 2005, 178, 171-178.	8.2	55
113	Performance restoration and autopsy of NF membranes used in seawater pretreatment. Desalination, 2005, 178, 261-271.	8.2	91
114	Evaluation of the performance of different chemicals for cleaning capillary membranes. Desalination, 2005, 179, 191-202.	8.2	55
115	Ground water treatment by enhanced ultrafiltration. Desalination, 2005, 179, 237-244.	8.2	37
116	Chemical cleaning of UF membranes fouled by BSA. Desalination, 2005, 179, 323-333.	8.2	124
117	Effect of pH and conductivity on hindered diffusion of perchlorate ions during transport through negatively charged nanofiltration and ultrafiltration membranes. Desalination, 2005, 177, 217-227.	8.2	19
118	Removal and fouling mechanisms in nanofiltration of polysaccharide solutions. Desalination, 2005, 178, 149-159.	8.2	22
119	Natural organic matter (NOM) fouling of ultrafiltration membranes: fractionation of NOM in surface water and characterisation by LC-OCD. Desalination, 2005, 178, 73-83.	8.2	96
120	Postsynthesis modification of a cellulose acetate ultrafiltration membrane for applications in water and wastewater treatment. Environmental Progress, 2005, 24, 367-382.	0.7	21
121	Evaluation of factors influencing membrane performance. Environmental Progress, 2005, 24, 392-399.	0.7	7
122	Nanofiltration flux, fouling and retention in filtering dilute model waters. Desalination, 2005, 175, 97-109.	8.2	11
123	Humic acid fouling in the membrane distillation process. Desalination, 2005, 174, 63-72.	8.2	172
124	Adsorption of humic acids by a modified Algerian montmorillonite in synthesized seawater. Desalination, 2005, 179, 375-380.	8.2	11
125	Colloidal fouling of RO membranes: an overview of key issues and efforts to develop improved prediction techniques. Desalination, 2005, 183, 257-272.	8.2	116
126	Kinetics of Membrane Flux Decline: The Role of Natural Colloids and Mitigation via Membrane Surface Modification. Journal of Nanoparticle Research, 2005, 7, 525-544.	1.9	35
127	Biostability characterization in a fullâ€scale hybrid NF/RO treatment system. Journal - American Water Works Association, 2005, 97, 101-110.	0.3	18

ARTICLE IF CITATIONS The effect of colloid stability of wastewater treatment plants effluent on nanofiltration 2.5 3 performance. Water Science and Technology, 2005, 52, 345-357. Impact of RO-desalted water on distribution water qualities. Water Science and Technology, 2005, 51, 2.5 285-291. Mechanistic Model for CaSO4 Fouling on Nanofiltration Membrane. Journal of Environmental 1.4 34 Engineering, ASCE, 2005, 131, 1387-1392. The Influence of Membrane Surface Properties on Fouling in a Membrane Bioreactor for Wastewater Treatment. Separation Science and Technology, 2005, 39, 833-854. Nanofiltration of Hormone Mimicking Trace Organic Contaminants. Separation Science and 2.5 79 Technology, 2005, 40, 2633-2649. Systematic Benchâ€Scale Assessment of Perchlorate (ClO4â[~]) Rejection Mechanisms by Nanofiltration 2.5 and Ultrafiltration Membranes. Separation Science and Technology, 2005, 39, 2105-2135. A Novel Method for Investigating the Influence of Feed Water Recovery on Colloidal and NOM 1.6 20 Fouling of RO and NF Membranes. Environmental Engineering Science, 2005, 22, 496-509. Initial Stages of Bacterial Fouling during Dead-End Microfiltrationâ€. Environmental Science & amp; 10.0 46 Technology, 2005, 39, 6470-6476. Sustainability of humic acids in the presence of magnesium oxide. Applied Geochemistry, 2005, 20, 3.0 7 1704-1713. Biofouling in Membrane Bioreactor. Separation Science and Technology, 2006, 41, 1345-1370. 2.5 Investigation of Seawater Reverse Osmosis Fouling and Its Relationship To Pretreatment Type. 10.0 191 Environmental Science & amp; Technology, 2006, 40, 2037-2044. Remediation of Pesticideâ€Polluted Waters Through Membranes. Separation and Purification Reviews, 5.5 2006, 35, 1-38. Use of Reverse Osmosis Membranes to Remove Perfluorooctane Sulfonate (PFOS) from 10.0 326 Semiconductor Wastewater. Environmental Science & amp; Technology, 2006, 40, 7343-7349. Influence of the synthesis method of Al-hydroxy intercalated clays on their fulvic acid sorption capacity. Applied Clay Science, 2006, 32, 283-290. 5.2 Adsorption mechanism of fulvic acid onto freeze dried poly(hydroxo aluminum) intercalated 5.214 bentonites. Applied Clay Science, 2006, 32, 190-196. 133Cs and 35Cl NMR spectroscopy and molecular dynamics modeling of Cs+ and Clâ⁻¹ complexation with 48 natural organic matter. Geochimica Et Cosmochimica Acta, 2006, 70, 4319-4331. Effects of operational parameters on cake formation of CaSO4 in nanofiltration. Water Research, 11.340 2006, 40, 806-816.

CITATION REPORT

184

145Low-pressure membrane (MF/UF) fouling associated with allochthonous versus autochthonous
natural organic matter. Water Research, 2006, 40, 2357-2368.11.3

128

129

130

132

134

136

138

140

141

142

143

#	Article	IF	CITATIONS
146	Neurotoxic and hepatotoxic cyanotoxins removal by nanofiltration. Water Research, 2006, 40, 2837-2846.	11.3	42
147	Integration of dissolved gas flotation and nanofiltration for M. aeruginosa and associated microcystins removal. Water Research, 2006, 40, 3612-3620.	11.3	29
148	A Comparison of Commercial and Experimental Ultrafiltration Membranes via Surface Property Analysis and Fouling Tests. Water Quality Research Journal of Canada, 2006, 41, 84-93.	2.7	26
149	Fouling analysis of ultrafiltration and nanofiltration membranes. Water Practice and Technology, 2006, 1, .	2.0	5
151	Fouling of reverse osmosis membranes by hydrophilic organic matter: implications for water reuse. Desalination, 2006, 187, 313-321.	8.2	242
152	Characterization of commercial water treatment membranes modified via ion beam irradiation. Desalination, 2006, 188, 203-212.	8.2	34
153	Effects of dynamic or secondary-layer coagulation on ultrafiltration. Desalination, 2006, 188, 239-249.	8.2	22
154	Reservoir water treatment using hybrid coagulation–ultrafiltration. Desalination, 2006, 193, 344-349.	8.2	30
155	Behaviours of natural organic matter in membrane filtration for surface water treatment — a review. Desalination, 2006, 194, 211-231.	8.2	583
156	Ultrafiltration of aqueous solutions containing organic polymers. Desalination, 2006, 189, 110-118.	8.2	27
157	Performance of surface modified polyethersulfone membranes for ultrafiltration of aquatic humic substances. Desalination, 2006, 199, 384-386.	8.2	8
158	Comparison of the performance of ultrafiltration and nanofiltration in surface water treatment. Desalination, 2006, 199, 73-75.	8.2	12
159	Characterizations of natural organic matter as nano particle using flow field-flow fractionation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 287, 232-236.	4.7	41
160	Ultrasonic control of ceramic membrane fouling caused by natural organic matter and silica particles. Journal of Membrane Science, 2006, 276, 135-144.	8.2	69
161	Fouling of ultrafiltration membrane by effluent organic matter: A detailed characterization using different organic fractions in wastewater. Journal of Membrane Science, 2006, 278, 232-238.	8.2	129
162	The impact of the water background inorganic matrix on the natural organic matter removal by nanofiltration. Journal of Membrane Science, 2006, 279, 513-520.	8.2	32
163	A study of selected herbicides retention by nanofiltration membranes—The role of organic fouling. Journal of Membrane Science, 2006, 284, 291-300.	8.2	119
164	Viability of nanofiltration and ultra-low pressure reverse osmosis membranes for multi-beneficial use of methane produced water. Separation and Purification Technology, 2006, 52, 67-76.	7.9	126

#	Article	IF	CITATIONS
165	pH, Ionic strength and flow velocity effects on the NOM filtration with TiO2/ZrO2 membranes. Separation and Purification Technology, 2006, 52, 325-331.	7.9	34
166	The ionic strength effect on microcystin and natural organic matter surrogate adsorption onto PAC. Journal of Colloid and Interface Science, 2006, 299, 520-529.	9.4	80
167	Chemical and physical aspects of cleaning of organic-fouled reverse osmosis membranes. Journal of Membrane Science, 2006, 272, 198-210.	8.2	315
168	Characterizations of the colloidal and microbial organic matters with respect to membrane foulants. Journal of Membrane Science, 2006, 275, 29-36.	8.2	56
169	Synergistic effects in combined fouling of a loose nanofiltration membrane by colloidal materials and natural organic matter. Journal of Membrane Science, 2006, 278, 72-82.	8.2	174
170	The effect of uni-axial stretching on the roughness of microfiltration membranes. Journal of Membrane Science, 2006, 280, 712-719.	8.2	9
171	Mechanisms of colloidal natural organic matter fouling in ultrafiltration. Journal of Membrane Science, 2006, 281, 716-725.	8.2	218
172	Variation and prediction of membrane fouling index under various feed water characteristics. Journal of Membrane Science, 2006, 284, 248-254.	8.2	77
173	Relating Organic Fouling of Reverse Osmosis Membranes to Intermolecular Adhesion Forces. Environmental Science & Technology, 2006, 40, 980-987.	10.0	405
174	Ultrafiltration of Humic Substances in the Presence of Protein and Metal Ions. Transport in Porous Media, 2006, 65, 469-484.	2.6	23
175	The effect of uni-axial orientation on macroporous membrane structure. Journal of Porous Materials, 2006, 13, 61-72.	2.6	25
176	Visualisation of fouling during microfiltration of natural brown water by using wavelets of ultrasonic spectra. Journal of Membrane Science, 2006, 271, 125-139.	8.2	10
177	Application of nanoscale probes for the evaluation of the integrity of ultrafiltration membranes. Journal of Membrane Science, 2006, 276, 185-192.	8.2	60
178	Organic nanocolloid fouling in UF membranes. Journal of Membrane Science, 2006, 279, 209-219.	8.2	21
179	Polymer evolution of a sulfonated polysulfone membrane as a function of ion beam irradiation fluence. Journal of Membrane Science, 2006, 280, 253-260.	8.2	22
180	Modeling the stretching of microporous membranes. Journal of Membrane Science, 2006, 283, 430-439.	8.2	16
181	Preparation of poly(ether sulfone) hollow fiber UF membrane for removal of NOM. Journal of Applied Polymer Science, 2006, 99, 430-435.	2.6	14
182	Effects of preparation conditions on the surface modification and performance of polyethersulfone ultrafiltration membranes. Journal of Applied Polymer Science, 2006, 99, 2978-2988.	2.6	26

#	Article	IF	CITATIONS
183	Effect of partial flocculation and adsorption as pretreatment to ultrafiltration. AICHE Journal, 2006, 52, 207-216.	3.6	16
184	Membrane filtration processes and fouling. Interface Science and Technology, 2006, 10, 109-132.	3.3	17
185	Enhanced Membrane Preâ€Treatment Processes using Macromolecular Adsorption and Coagulation in Desalination Plants: A Review. Separation Science and Technology, 2006, 41, 403-453.	2.5	16
186	Membrane fouling in the nanofiltration of landfill leachate and its impact on trace contaminant removal. International Journal of Environment and Waste Management, 2007, 1, 338.	0.3	5
187	Characteristics and Fouling Behaviors of Dissolved Organic Matter in Submerged Membrane Bioreactor Systems. Environmental Engineering Science, 2007, 24, 652-662.	1.6	25
188	Evaluation of organic matter fouling potential by membrane fouling index. Water Science and Technology: Water Supply, 2007, 7, 27-33.	2.1	10
189	An Evaluation of Fouling Potential and Methods to Control Fouling in Microfiltration Membranes for Secondary Wastewater Effluent. Proceedings of the Water Environment Federation, 2007, 2007, 6417-6444.	0.0	7
190	Fouling potential and membrane fouling determination during the treatment of sewage and stabilized leachate using a pilot scale submerged MBR. Proceedings of the Water Environment Federation, 2007, 2007, 6469-6495.	0.0	0
191	Identification of nanofiltration membrane foulants. Water Research, 2007, 41, 3936-3947.	11.3	128
192	Permeability of low molecular weight organics through nanofiltration membranes. Water Research, 2007, 41, 3968-3976.	11.3	76
193	Natural organic matter fouling of low-pressure, hollow-fiber membranes: Effects of NOM source and hydrodynamic conditions. Water Research, 2007, 41, 3823-3832.	11.3	172
194	Impacts of Hydrophilic Membrane Additives on the Ultrafiltration of River Water. Journal of Environmental Engineering, ASCE, 2007, 133, 515-522.	1.4	17
195	Characterization of Humic Acid Fouled Reverse Osmosis and Nanofiltration Membranes by Transmission Electron Microscopy and Streaming Potential Measurements. Environmental Science & Technology, 2007, 41, 942-949.	10.0	173
196	Effect of New Photocatalytic Coagulant on NF Membrane Fouling. Industrial & Engineering Chemistry Research, 2007, 46, 2280-2285.	3.7	12
197	Membrane Independent Limiting Flux for RO and NF Membranes Fouled by Humic Acid. Environmental Science & Technology, 2007, 41, 4767-4773.	10.0	123
198	Characterization of Cake Layer in Submerged Membrane Bioreactor. Environmental Science & Technology, 2007, 41, 4065-4070.	10.0	230
199	Advanced Instrumental Approaches for Characterization of Marine Dissolved Organic Matter:Â Extraction Techniques, Mass Spectrometry, and Nuclear Magnetic Resonance Spectroscopy. Chemical Reviews, 2007, 107, 419-442.	47.7	310
200	Surface characterization and performance evaluation of commercial fouling resistant low-pressure RO membranes. Desalination, 2007, 202, 45-52.	8.2	84

#	Article	IF	CITATIONS
201	Natural organic matter fouling due to foulant–membrane physicochemical interactions. Desalination, 2007, 202, 377-384.	8.2	106
202	Characterization and retention of UF membranes using PEG, HS and polyelectrolytes. Desalination, 2007, 206, 568-578.	8.2	31
203	Influence of cleaning frequency and membrane history on fouling in an anaerobic membrane bioreactor. Desalination, 2007, 207, 153-166.	8.2	75
204	The effects of natural organic matter (NOM) fractions on fouling characteristics and flux recovery of ultrafiltration membranes. Desalination, 2007, 212, 191-208.	8.2	175
205	Influence of inorganic scalants and natural organic matter on nanofiltration membrane fouling. Journal of Membrane Science, 2007, 287, 138-145.	8.2	79
206	Fouling of reverse osmosis and nanofiltration membranes by humic acid—Effects of solution composition and hydrodynamic conditions. Journal of Membrane Science, 2007, 290, 86-94.	8.2	328
207	Fabrication, fouling and foulant analyses of asymmetric polysulfone (PSF) ultrafiltration membrane fouled with natural organic matter (NOM) source waters. Journal of Membrane Science, 2007, 299, 97-113.	8.2	112
208	Fouling strategies and the cleaning system of NF membranes and factors affecting cleaning efficiency. Journal of Membrane Science, 2007, 303, 4-28.	8.2	484
209	Role of ozone for reducing fouling due to pharmaceuticals in MF (microfiltration) process. Journal of Membrane Science, 2007, 289, 178-186.	8.2	52
210	Fouling of reverse osmosis membranes by biopolymers in wastewater secondary effluent: Role of membrane surface properties and initial permeate flux. Journal of Membrane Science, 2007, 290, 173-181.	8.2	291
211	Development of a control system for in-line coagulation in an ultrafiltration process. Journal of Membrane Science, 2007, 301, 39-45.	8.2	20
212	Evaluation of different cleaning agents used for cleaning ultra filtration membranes fouled by surface water. Journal of Membrane Science, 2007, 304, 40-49.	8.2	157
213	Cleaning results of new and fouled nanofiltration membrane characterized by zeta potential and permeability. Separation and Purification Technology, 2007, 54, 234-240.	7.9	119
214	Comparison of initial filtration resistance by pretreatment processes in the nanofiltration for drinking water treatment. Separation and Purification Technology, 2007, 56, 354-362.	7.9	51
215	Effects of membrane fouling on the nanofiltration of pharmaceutically active compounds (PhACs): Mechanisms and role of membrane pore size. Separation and Purification Technology, 2007, 57, 176-184.	7.9	258
216	Factors affecting nanofiltration performances in natural organic matter rejection and flux decline. Separation and Purification Technology, 2007, 58, 68-75.	7.9	58
217	Influence of humic acid on the aggregation kinetics of fullerene (C60) nanoparticles in monovalent and divalent electrolyte solutions. Journal of Colloid and Interface Science, 2007, 309, 126-134.	9.4	583
218	Molecular dynamics simulation of cationic complexation with natural organic matter. European Journal of Soil Science, 2007, 58, 909-917.	3.9	151

#	Article	IF	CITATIONS
219	Enhancement of track-etched membrane performance via stretching. Separation and Purification Technology, 2007, 53, 71-80.	7.9	15
220	Biofouling of reverse osmosis membranes: Role of biofilm-enhanced osmotic pressure. Journal of Membrane Science, 2007, 295, 11-20.	8.2	517
221	Protein (BSA) fouling of reverse osmosis membranes: Implications for wastewater reclamation. Journal of Membrane Science, 2007, 296, 83-92.	8.2	314
222	Effect of surface morphology on membrane fouling by humic acid with the use of cellulose acetate butyrate hollow fiber membranes. Journal of Membrane Science, 2008, 320, 483-491.	8.2	92
223	Selected water/wastewater membraneâ€related presentations from the North American Membrane Society 2007 Annual Meeting. Environmental Progress, 2008, 27, 169-172.	0.7	1
224	The Deposition of Calcium Oxalate and Amorphous Silica Scale under Dynamic Conditions which Simulate sugar mill Evaporators. Asia-Pacific Journal of Chemical Engineering, 2004, 12, 309-322.	0.0	0
225	Effect of solution chemistry on the fouling potential of dissolved organic matter in membrane bioreactor systems. Journal of Membrane Science, 2008, 310, 503-511.	8.2	57
226	Modeling the effects of fouling on full-scale reverse osmosis processes. Journal of Membrane Science, 2008, 314, 33-49.	8.2	159
227	A combined osmotic pressure and cake filtration model for crossflow nanofiltration of natural organic matter. Journal of Membrane Science, 2008, 322, 475-483.	8.2	26
228	Removal of divalent cations reduces fouling of ultrafiltration membranes. Journal of Membrane Science, 2008, 323, 153-158.	8.2	56
229	Preparation of thin-film-composite polyamide membranes for desalination using novel hydrophilic surface modifying macromolecules. Journal of Membrane Science, 2008, 325, 166-175.	8.2	165
230	Development of a multi-objective coagulation system for long-term fouling control in dead-end ultrafiltration. Journal of Membrane Science, 2008, 325, 823-830.	8.2	12
231	Decomposition of toxic pollutants in landfill leachate by ozone after coagulation treatment. Journal of Hazardous Materials, 2008, 152, 1108-1114.	12.4	76
232	Landfill leachate treatment: Review and opportunity. Journal of Hazardous Materials, 2008, 150, 468-493.	12.4	1,942
233	Characterization and retention of NF membranes using PEG, HS and polyelectrolytes. Desalination, 2008, 221, 284-293.	8.2	59
234	The sensitivity of SDI analysis: from RO feed water to raw water. Desalination, 2008, 222, 17-23.	8.2	69
235	Colloidal organic matter fouling of UF membranes: role of NOM composition & size. Desalination, 2008, 220, 200-213.	8.2	61
236	Humic acid adsorption onto Mg/Fe layered double hydroxide. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 331, 195-201.	4.7	77

#	Article	IF	CITATIONS
237	Effects of background cations on the fouling of polyethersulfone membranes by natural organic matter: Experimental and molecular modeling study. Journal of Membrane Science, 2008, 309, 128-140.	8.2	169
238	Treatment process adapted to stabilized leachates: Lime precipitation–prefiltration–reverse osmosis. Journal of Membrane Science, 2008, 313, 9-22.	8.2	60
239	Effect of ozone dosage and hydrodynamic conditions on the permeate flux in a hybrid ozonation–ceramic ultrafiltration system treating natural waters. Journal of Membrane Science, 2008, 311, 165-172.	8.2	140
240	Chemical and physical aspects of organic fouling of forward osmosis membranes. Journal of Membrane Science, 2008, 320, 292-302.	8.2	560
241	Membrane Separation Technology: Past, Present, and Future. ACS Symposium Series, 2008, , 281-333.	0.5	1
242	Effect of soil sorption and aquatic natural organic matter on the antibacterial activity of a fullerene water suspension. Environmental Toxicology and Chemistry, 2008, 27, 1888-1894.	4.3	132
243	Aggregation Kinetics of Multiwalled Carbon Nanotubes in Aquatic Systems: Measurements and Environmental Implications. Environmental Science & amp; Technology, 2008, 42, 7963-7969.	10.0	401
244	Evolution of a Polysulfone Nanofiltration Membrane following Ion Beam Irradiation. Langmuir, 2008, 24, 5569-5579.	3.5	23
245	Nanofiltration process on dye removal from simulated textile wastewater. International Journal of Environmental Science and Technology, 2008, 5, 401-408.	3.5	59
246	Degradation of natural organic matter by TiO2 photocatalytic oxidation and its effect on fouling of low-pressure membranes. Water Research, 2008, 42, 1142-1150.	11.3	210
247	High-performance thin-layer hydrogel composite membranes for ultrafiltration of natural organic matter. Water Research, 2008, 42, 2827-2835.	11.3	68
248	Characterising humic acid fouling of nanofiltration membranes using bisphenol A as a molecular indicator. Water Research, 2008, 42, 4049-4058.	11.3	116
249	Fatty acid fouling of reverse osmosis membranes: Implications for wastewater reclamation. Water Research, 2008, 42, 4393-4403.	11.3	60
250	Characterizing dissolved organic matter and evaluating associated nanofiltration membrane fouling. Chemosphere, 2008, 70, 495-502.	8.2	107
251	Adsorption mechanism of humic and fulvic acid onto Mg/Al layered double hydroxides. Applied Clay Science, 2008, 38, 237-249.	5.2	87
252	Interaction of Fullerene (C ₆₀) Nanoparticles with Humic Acid and Alginate Coated Silica Surfaces: Measurements, Mechanisms, and Environmental Implications. Environmental Science & Technology, 2008, 42, 7607-7614.	10.0	268
253	Effect of Ion Beam Irradiation on Two Nanofiltration Water Treatment Membranes. Separation Science and Technology, 2008, 43, 4009-4029.	2.5	7
254	Combined Humic Substance and Heavy Metals Agglomeration, and Membrane Filtration under Saline Conditions. Separation Science and Technology, 2008, 43, 1488-1506.	2.5	6

#	Article	IF	CITATIONS
255	Deposition Kinetics of Bacteriophage MS2 on a Silica Surface Coated with Natural Organic Matter in a Radial Stagnation Point Flow Cell. Environmental Science & Technology, 2008, 42, 7628-7633.	10.0	96
256	Characteristic of Ultrafiltration on Treatment Surface-Water in China. , 2008, , .		2
257	Process water treatment in Canada's oil sands industry: II. A review of emerging technologies. Journal of Environmental Engineering and Science, 2008, 7, 499-524.	0.8	127
259	A Molecular Basis for Advanced Materials in Water Treatment. MRS Bulletin, 2008, 33, 42-47.	3.5	20
260	Development of Smart Membrane Filters for Microbial Sensing. Separation Science and Technology, 2008, 43, 4056-4074.	2.5	15
261	Bench-scale assessment of membrane pre-treatment and seasonal fouling potential variations. Desalination and Water Treatment, 2009, 8, 188-200.	1.0	3
262	Combined humic substance coagulation and membrane filtration under saline conditions. Desalination and Water Treatment, 2009, 1, 194-200.	1.0	3
263	New Strategies for Managing Desalination Concentrate with Zero Liquid Discharge from Two WRF Research Projects. , 2009, , .		1
264	Lime treatment of stabilized leachates. Water Science and Technology, 2009, 59, 673-685.	2.5	12
265	Interaction Forces and Reversible Collapse of a Polymer Brush-Gated Nanopore. ACS Nano, 2009, 3, 2911-2918.	14.6	47
266	Chemical cleaning of reverse osmosis membrane fouled by sugar solution. Asia-Pacific Journal of Chemical Engineering, 2010, 5, 691-700.	1.5	7
267	Application of coagulation–ultrafiltration hybrid process for drinking water treatment: Optimization of operating conditions using experimental design. Separation and Purification Technology, 2009, 65, 193-210.	7.9	84
268	The role of foulant–foulant electrostatic interaction on limiting flux for RO and NF membranes during humic acid fouling—Theoretical basis, experimental evidence, and AFM interaction force measurement. Journal of Membrane Science, 2009, 326, 526-532.	8.2	138
269	The influence of natural organic matter and cations on fouled nanofiltration membrane effective molecular weight cut-off. Journal of Membrane Science, 2009, 327, 155-163.	8.2	30
270	Ultrafiltration behavior of nitrophenols in the presence of humic substances. Journal of Membrane Science, 2009, 331, 126-136.	8.2	7
271	Organic fouling of nanofiltration membranes: Evaluating the effects of humic acid, calcium, alum coagulant and their combinations on the specific cake resistance. Journal of Membrane Science, 2009, 332, 56-62.	8.2	107
272	A Study of the Photocatalytic Oxidation of Humic Acid on Anatase and Mixed-phase Anatase–Rutile TiO2 Nanoparticles. Water, Air and Soil Pollution, 2009, 9, 237-243.	0.8	26
273	Ultrafiltration of dissolved organic matter in surface water by a polyvinylchloride hollow fiber membrane. Journal of Membrane Science, 2009, 327, 254-263.	8.2	24

#	Article	IF	CITATIONS
274	Nanofiltration processes applied to the removal of phenyl-ureas in natural waters. Journal of Hazardous Materials, 2009, 165, 714-723.	12.4	12
275	Comparison between nitrate and pesticide removal from ground water using adsorbents and NF and RO membranes. Journal of Hazardous Materials, 2009, 170, 1210-1217.	12.4	68
276	Removal of disinfection by-product precursors by UF and NF membranes in low-SUVA waters. Journal of Membrane Science, 2009, 328, 104-112.	8.2	67
277	Impact of backwash water composition on ultrafiltration fouling control. Journal of Membrane Science, 2009, 344, 17-25.	8.2	47
278	Deposition kinetics of bacteriophage MS2 to natural organic matter: Role of divalent cations. Journal of Colloid and Interface Science, 2009, 338, 1-9.	9.4	125
279	Recovery of entomotoxicity components from Bacillus thuringiensis fermented wastewater and sludge: Ultrafiltration scale-up approach. Separation and Purification Technology, 2009, 69, 275-279.	7.9	11
280	In-line coagulation/ultrafiltration for silica removal from brackish water as RO membrane pretreatment. Separation and Purification Technology, 2009, 70, 112-117.	7.9	46
281	Taking green anti-fouling strategies in dead-end ultrafiltration to the next level. Chemical Engineering Research and Design, 2009, 87, 1589-1595.	5.6	1
282	Development of membrane testing protocols for characterisation of RO and NF membranes. Desalination, 2009, 236, 194-201.	8.2	8
283	A comparative study of microfiltration and ultrafiltration of activated sludge-lagoon effluent. Desalination, 2009, 236, 208-215.	8.2	14
284	Zero liquid discharge: Heading for 99% recovery in nanofiltration and reverse osmosis. Desalination, 2009, 236, 357-362.	8.2	68
285	Effects of feed water temperature on separation performance and organic fouling of brackish water RO membranes. Desalination, 2009, 239, 346-359.	8.2	148
286	Biodegradable dissolved organic carbon concentration of feed water and NF membrane biofouling: a pilot train study. Desalination, 2009, 242, 228-235.	8.2	10
287	Performance and mechanism of arsenic removal from water by a nanofiltration membrane. Desalination, 2009, 245, 82-94.	8.2	115
288	Development of microbial sensing membranes. Desalination, 2009, 248, 99-105.	8.2	10
289	Mass transfer of bacterial by-products (BBP) during nanofiltration: characterizations, transport, and sherwood relationships. Desalination, 2009, 247, 623-635.	8.2	4
290	Amelioration of ultrafiltration process by lime treatment: Case of landfill leachate. Desalination, 2009, 249, 72-82.	8.2	25
291	Effect of solution chemistry on the surface property of reverse osmosis membranes under seawater conditions. Desalination, 2009, 247, 148-161.	8.2	29

#	Article	IF	CITATIONS
292	Assessment of various membrane fouling indexes under seawater conditions. Desalination, 2009, 247, 247-259.	8.2	18
293	The role of hydrodynamic conditions and solution chemistry on protein fouling during uring ultrafiltration. Desalination, 2009, 249, 1079-1087.	8.2	102
294	Integration of immersed membrane ultrafiltration with the reuse of PAC and alum sludge (RPAS) process for drinking water treatment. Desalination, 2009, 249, 440-444.	8.2	22
295	Role of Extracellular Polymeric Substances (EPS) in Biofouling of Reverse Osmosis Membranes. Environmental Science & Technology, 2009, 43, 4393-4398.	10.0	338
296	Studies on cleaning the polyvinylchloride ultrafiltration membrane fouled by sodium alginate. Environmental Technology (United Kingdom), 2009, 30, 431-435.	2.2	11
297	Removal of toxic ions (chromate, arsenate, and perchlorate) using reverse osmosis, nanofiltration, and ultrafiltration membranes. Chemosphere, 2009, 77, 228-235.	8.2	181
298	Effects of mass retention of dissolved organic matter and membrane pore size on membrane fouling and flux decline. Water Research, 2009, 43, 389-394.	11.3	133
299	The influence of natural organic matter and cations on the rejection of endocrine disrupting and pharmaceutically active compounds by nanofiltration. Water Research, 2009, 43, 613-622.	11.3	61
300	Sludge properties and their effects on membrane fouling in submerged anaerobic membrane bioreactors (SAnMBRs). Water Research, 2009, 43, 3827-3837.	11.3	292
301	Surface modification of nanofiltration membrane for reduction of membrane fouling. Desalination and Water Treatment, 2009, 10, 298-305.	1.0	8
302	Interactions of Aqueous NOM with Nanoscale TiO ₂ : Implications for Ceramic Membrane Filtration-Ozonation Hybrid Process. Environmental Science & Technology, 2009, 43, 5488-5494.	10.0	67
303	Role of Specific Ion Interactions in Seawater RO Membrane Fouling by Alginic Acid. Environmental Science & Technology, 2009, 43, 3580-3587.	10.0	163
304	In-situ monitoring of inorganic and microbial synergistic fouling during nanofi ltration by UTDR. Desalination and Water Treatment, 2009, 11, 15-22.	1.0	7
305	Zero-Liquid Discharge: Desalination of Waters with High Organic Content. IDA Journal of Desalination and Water Reuse, 2010, 2, 46-52.	0.4	2
306	Nanofiltration performance of lead solutions: effects of solution pH and ionic strength. Water Science and Technology: Water Supply, 2010, 10, 193-200.	2.1	6
307	Salinity effect on a biofilm-MBR process for shipboard wastewater treatment. Separation and Purification Technology, 2010, 72, 380-387.	7.9	57
308	Comparison of fouling behavior in forward osmosis (FO) and reverse osmosis (RO). Journal of Membrane Science, 2010, 365, 34-39.	8.2	645
309	Hybrid coagulation–nanofiltration membrane for removal of bromate and humic acid in water. Journal of Membrane Science, 2010, 365, 154-159.	8.2	95

#	Article	IF	CITATIONS
310	Control of protein (BSA) fouling in RO system by antiscalants. Journal of Membrane Science, 2010, 364, 372-379.	8.2	37
311	Microfiltration performance of regenerated cellulose membrane prepared at low temperature for wastewater treatment. Cellulose, 2010, 17, 1159-1169.	4.9	48
312	Rhizosphere humic acid interacts with root cell walls to reduce hydraulic conductivity and plant development. Plant and Soil, 2010, 336, 313-322.	3.7	88
313	Calcium cation interactions with polysaccharides and proteins in wastewater UF membrane fouling. Membrane Technology, 2010, 2010, 6-12.	0.1	10
314	Preparation and humic acid fouling resistance of poly(vinylidene fluoride)–fabric composite membranes for membrane distillation. Journal of Applied Polymer Science, 2010, 117, 3651-3658.	2.6	2
315	Chemical cleaning of potable water membranes: A review. Separation and Purification Technology, 2010, 71, 137-143.	7.9	323
316	Organic fouling and regeneration of zeolite membrane in wastewater treatment. Separation and Purification Technology, 2010, 72, 203-207.	7.9	25
317	Membrane fouling indicator of effluent organic matter with nanofiltration for wastewater reclamation, as obtained from flow field-flow fractionation. Separation and Purification Technology, 2010, 73, 164-172.	7.9	14
318	Impact of organic matrix compounds on the retention of steroid hormone estrone by a †loose' nanofiltration membrane. Separation and Purification Technology, 2010, 73, 179-187.	7.9	27
319	Chemical cleaning of nanofiltration membrane filtrating the effluent from a membrane bioreactor. Separation and Purification Technology, 2010, 75, 407-414.	7.9	32
320	Development of novel backwash cleaning technique for reverse osmosis in reclamation of secondary effluent. Journal of Membrane Science, 2010, 346, 8-14.	8.2	65
321	Using polyelectrolyte coatings to improve fouling resistance of a positively charged nanofiltration membrane. Journal of Membrane Science, 2010, 347, 250-259.	8.2	153
322	Fouling behavior and foulant characteristics of reverse osmosis membranes for treated secondary effluent reclamation. Journal of Membrane Science, 2010, 349, 65-74.	8.2	73
323	Probing polyamide membrane surface charge, zeta potential, wettability, and hydrophilicity with contact angle measurements. Journal of Membrane Science, 2010, 349, 349-357.	8.2	348
324	Preparation and characterization of a neutrally charged antifouling nanofiltration membrane by coating a layer of sulfonated poly(ether ether ketone) on a positively charged nanofiltration membrane. Journal of Membrane Science, 2010, 362, 192-201.	8.2	75
325	Evaluation of membrane fouling potential by multiple membrane array system (MMAS): Measurements and applications. Journal of Membrane Science, 2010, 362, 279-288.	8.2	35
326	Removal of organic acids from EfOM using anion exchange resins and consequent reduction of fouling in UF and MF. Journal of Membrane Science, 2010, 364, 325-330.	8.2	43
327	Nanofiltration thin-film composite polyester polyethersulfone-based membranes prepared by interfacial polymerization. Journal of Membrane Science, 2010, 348, 109-116.	8.2	147

#	Article	IF	CITATIONS
328	Organic fouling of forward osmosis membranes: Fouling reversibility and cleaning without chemical reagents. Journal of Membrane Science, 2010, 348, 337-345.	8.2	744
329	Fouling of RO membranes by effluent organic matter (EfOM): Relating major components of EfOM to their characteristic fouling behaviors. Journal of Membrane Science, 2010, 349, 75-82.	8.2	60
330	Relation between fouling characteristics of RO and UF membranes in experiments with colloidal organic and inorganic species. Journal of Membrane Science, 2010, 350, 62-82.	8.2	57
331	Effect of solution chemistry on organic fouling of reverse osmosis membranes in seawater desalination. Journal of Membrane Science, 2010, 351, 205-213.	8.2	69
332	Coupled effects of internal concentration polarization and fouling on flux behavior of forward osmosis membranes during humic acid filtration. Journal of Membrane Science, 2010, 354, 123-133.	8.2	688
333	AFM, SEM and EDS characterization of manganese oxide coated ceramic water filtration membranes. Journal of Membrane Science, 2010, 360, 292-302.	8.2	34
334	Preparation of N,O-carboxymethyl chitosan/cellulose acetate blend nanofiltration membrane and testing its performance in treating industrial wastewater. Chemical Engineering Journal, 2010, 157, 393-400.	12.7	74
335	Tannin and polyacrylic acid polarity and structure influence on the performance of polyvinylchloride ultrafiltration membrane. Desalination, 2010, 250, 740-744.	8.2	14
336	Influence of Ca and Na ions in backwash water on ultrafiltration fouling control. Desalination, 2010, 250, 861-864.	8.2	22
337	Performance evaluation of pretreatment processes in integrated membrane system for wastewater reuse. Desalination, 2010, 250, 673-676.	8.2	36
338	Landfill leachate treatment using hybrid coagulation-nanofiltration processes. Desalination, 2010, 250, 677-681.	8.2	79
339	Advanced treatment of a complex pharmaceutical wastewater by nanofiltration: Membrane foulant identification and cleaning. Desalination, 2010, 251, 167-175.	8.2	86
340	Membrane fouling and chemical cleaning in water recycling applications. Desalination, 2010, 250, 977-981.	8.2	50
341	Combined humic substance and heavy metals coagulation, and membrane filtration under saline conditions. Desalination, 2010, 253, 46-50.	8.2	29
342	Effect of aggregate characteristics under different coagulation mechanisms on microfiltration membrane fouling. Desalination, 2010, 258, 19-27.	8.2	29
343	Factors affecting natural organic matter (NOM) and scaling fouling in NF membranes: A review. Desalination, 2010, 259, 1-10.	8.2	250
344	Humic substances fouling in ultrafiltration processes. Desalination, 2010, 261, 218-231.	8.2	176
345	Evaluation of biofouling potential of microorganism using flow field-flow fractionation (Fl-FFF). Desalination, 2010, 264, 236-242.	8.2	9

#	Article	IF	CITATIONS
346	Adsorption of humic acid onto ultrafiltration membranes in the presence of protein and metal ions. Desalination, 2010, 263, 139-145.	8.2	23
347	Organic fouling of RO membranes: Investigating the correlation of RO and UF fouling resistances for predictive purposes. Desalination, 2010, 261, 272-283.	8.2	35
348	Cleaning of spiralwound ultrafiltration membranes using ultrasound and alkaline solution of EDTA. Desalination, 2010, 264, 63-69.	8.2	35
349	UF membrane fouling by mixtures of humic acids and sodium alginate: Fouling mechanisms and reversibility. Desalination, 2010, 264, 220-227.	8.2	138
350	Transport and Retention of Fullerene Nanoparticles in Natural Soils. Journal of Environmental Quality, 2010, 39, 1925-1933.	2.0	65
351	The influence of divalent ions on the rejection of carbamazepine in the presence of humic acid by nanofiltration. Water Science and Technology: Water Supply, 2010, 10, 504-511.	2.1	1
352	Converging on the function of intrinsically disordered nucleoporins in the nuclear pore complex. Biological Chemistry, 2010, 391, 719-30.	2.5	43
353	Determination of the Apparent Charge of Natural Organic Matter. Separation Science and Technology, 2010, 45, 339-345.	2.5	4
354	Behaviors of commercialized seawater reverse osmosis membranes under harsh organic fouling conditions. Desalination and Water Treatment, 2010, 15, 48-53.	1.0	4
355	lon transport characteristics in nanofiltration membranes: measurements and mechanisms. Journal of Water Supply: Research and Technology - AQUA, 2010, 59, 179-190.	1.4	14
356	Impact of speciation on removal of manganese and organic matter by nanofiltration. Journal of Water Supply: Research and Technology - AQUA, 2010, 59, 152-163.	1.4	15
357	Identification of key water quality characteristics affecting the filterability of biologically treated effluent in low-pressure membrane filtration. Water Science and Technology, 2010, 62, 1914-1921.	2.5	2
358	Extracellular Polymeric Substances (EPS) in a Hybrid Growth Membrane Bioreactor (HG-MBR): Viscoelastic and Adherence Characteristics. Environmental Science & Technology, 2010, 44, 8636-8643.	10.0	104
359	Investigating the fouling layer of polyamide nanofiltration membranes treating two different natural waters: internal heterogeneity yet converging surface properties. Journal of Water Supply: Research and Technology - AQUA, 2010, 59, 164-178.	1.4	5
360	Humic Acid Fouling Mitigation by Antiscalant in Reverse Osmosis System. Environmental Science & Technology, 2010, 44, 5153-5158.	10.0	24
361	Review of seawater natural organic matter fouling and reverse osmosis transport modeling for seawater reverse osmosis desalination. Desalination and Water Treatment, 2010, 15, 92-107.	1.0	17
362	Metal Cation Complexation with Natural Organic Matter in Aqueous Solutions: Molecular Dynamics Simulations and Potentials of Mean Force. Langmuir, 2010, 26, 15909-15919.	3.5	155
363	Removal of natural hormone estrone from secondary effluents using nanofiltration and reverse osmosis. Water Research, 2010, 44, 638-648.	11.3	47

#	Article	IF	CITATIONS
364	Assessing PAC contribution to the NOM fouling control in PAC/UF systems. Water Research, 2010, 44, 1636-1644.	11.3	140
365	Effect of anionic fluidized ion exchange (FIX) pre-treatment on nanofiltration (NF) membrane fouling. Water Research, 2010, 44, 3283-3293.	11.3	43
366	Investigating dissolved air flotation performance with cyanobacterial cells and filaments. Water Research, 2010, 44, 3337-3344.	11.3	64
367	Impact of solution chemistry on viral removal by a single-walled carbon nanotube filter. Water Research, 2010, 44, 3773-3780.	11.3	134
368	Performing a microfiltration integrated with photocatalysis using an Ag-TiO2/HAP/Al2O3 composite membrane for water treatment: Evaluating effectiveness for humic acid removal and anti-fouling properties. Water Research, 2010, 44, 6104-6114.	11.3	109
369	Effect of Surface-Exposed Chemical Groups on Calcium-Phosphate Mineralization in Water-Treatment Systems. Environmental Science & Technology, 2010, 44, 7937-7943.	10.0	43
370	Removing Cadmium Ions from Water via Nanoparticle-Enhanced Ultrafiltration. Environmental Science & Technology, 2010, 44, 2570-2576.	10.0	56
371	Role of Foulant-Membrane Interactions in Organic Fouling of RO Membranes with Respect to Membrane Properties. Separation Science and Technology, 2010, 45, 948-955.	2.5	14
372	Post-treatment of the permeate of a submerged anaerobic membrane bioreactor (SAMBR) treating landfill leachate. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1539-1548.	1.7	19
373	Effect of a longer cleaning-frequency period on nanofiltration membrane fouling for long-term water supply production. Desalination and Water Treatment, 2011, 32, 256-261.	1.0	1
374	Fouling potential and cleaning characteristics of PVC ultrafiltration membrane during ultrafiltration of hydrophilic dissolved organic matter. Desalination and Water Treatment, 2011, 33, 231-239.	1.0	2
375	Nanofiltration of surface water for the removal of endocrine disruptors. Desalination and Water Treatment, 2011, 35, 54-61.	1.0	5
376	Zeta Potential of Ion-Conductive Membranes by Streaming Current Measurements. Langmuir, 2011, 27, 4721-4727.	3.5	86
377	Fouling of Nanofiltration, Reverse Osmosis, and Ultrafiltration Membranes by Protein Mixtures: The Role of Inter-Foulant-Species Interaction. Environmental Science & Technology, 2011, 45, 6373-6379.	10.0	126
378	Membrane fouling characterization and cleaning adaptation in wastewater reclamation plants: from plant to lab. Desalination and Water Treatment, 2011, 34, 361-366.	1.0	2
379	Membrane Separation: Basics and Applications. , 2011, , 271-332.		9
380	Fouling of ultrafiltration membrane during secondary effluent filtration. Desalination and Water Treatment, 2011, 30, 289-294.	1.0	6
381	Membrane and Desalination Technologies. , 2011, , .		83

#	Article	IF	CITATIONS
382	Effects of Ca2+ on supramolecular aggregation of natural organic matter in aqueous solutions: A comparison of molecular modeling approaches. Geoderma, 2011, 169, 27-32.	5.1	74
383	Effects of suspended multi-walled carbon nanotubes on daphnid growth and reproduction. Ecotoxicology and Environmental Safety, 2011, 74, 1839-1843.	6.0	38
384	Fouling of microfiltration membranes by organic polymer coagulants and flocculants: Controlling factors and mechanisms. Water Research, 2011, 45, 357-365.	11.3	53
385	Influence of Ca2+ and Suwannee River Humic Acid on aggregation of silicon nanoparticles in aqueous media. Water Research, 2011, 45, 105-112.	11.3	86
386	Comparison of advanced oxidation processes for the removal of natural organic matter. Water Research, 2011, 45, 3263-3269.	11.3	178
387	Ozone oxidation for the alleviation of membrane fouling by natural organic matter: A review. Water Research, 2011, 45, 3551-3570.	11.3	219
388	Fouling control mechanisms of demineralized water backwash: Reduction of charge screening and calcium bridging effects. Water Research, 2011, 45, 6289-6300.	11.3	47
389	Micropollutant Degradation Mechanism. , 0, , .		0
390	A Large Review of the Pre Treatment. , 2011, , .		4
391	Membrane Treatment of Potable Water for Pesticides Removal. , 0, , .		6
391 392	Membrane Treatment of Potable Water for Pesticides Removal. , 0, , . Membrane-Based Desalination. Water Intelligence Online, 2011, 10, 9781780400914.	0.3	6 5
		0.3	
392	Membrane-Based Desalination. Water Intelligence Online, 2011, 10, 9781780400914. Kinetic study of toxic pollutants decomposition by ozone in landfill leachate using a numerical		5
392 393	Membrane-Based Desalination. Water Intelligence Online, 2011, 10, 9781780400914. Kinetic study of toxic pollutants decomposition by ozone in landfill leachate using a numerical adaptive method. International Journal of Environmental Engineering, 2011, 3, 221. Chemical cleaning of RO membranes fouled by wastewater effluent: Achieving higher efficiency with	0.1	5
392 393 394	 Membrane-Based Desalination. Water Intelligence Online, 2011, 10, 9781780400914. Kinetic study of toxic pollutants decomposition by ozone in landfill leachate using a numerical adaptive method. International Journal of Environmental Engineering, 2011, 3, 221. Chemical cleaning of RO membranes fouled by wastewater effluent: Achieving higher efficiency with dual-step cleaning. Journal of Membrane Science, 2011, 382, 100-106. Preparation, characterization and performance of polyethersulfone/organically modified montmorillonite nanocomposite membranes in removal of pesticides. Journal of Membrane Science, 	0.1 8.2	5 4 124
392 393 394 395	Membrane-Based Desalination. Water Intelligence Online, 2011, 10, 9781780400914. Kinetic study of toxic pollutants decomposition by ozone in landfill leachate using a numerical adaptive method. International Journal of Environmental Engineering, 2011, 3, 221. Chemical cleaning of RO membranes fouled by wastewater effluent: Achieving higher efficiency with dual-step cleaning. Journal of Membrane Science, 2011, 382, 100-106. Preparation, characterization and performance of polyethersulfone/organically modified montmorillonite nanocomposite membranes in removal of pesticides. Journal of Membrane Science, 2011, 382, 135-147. Scale formation and control in high pressure membrane water treatment systems: A review. Journal	0.1 8.2 8.2	5 4 124 136
392 393 394 395 396	Membrane-Based Desalination. Water Intelligence Online, 2011, 10, 9781780400914. Kinetic study of toxic pollutants decomposition by ozone in landfill leachate using a numerical adaptive method. International Journal of Environmental Engineering, 2011, 3, 221. Chemical cleaning of RO membranes fouled by wastewater effluent: Achieving higher efficiency with dual-step cleaning. Journal of Membrane Science, 2011, 382, 100-106. Preparation, characterization and performance of polyethersulfone/organically modified montmorillonite nanocomposite membranes in removal of pesticides. Journal of Membrane Science, 2011, 382, 135-147. Scale formation and control in high pressure membrane water treatment systems: A review. Journal of Membrane Science, 2011, 383, 1-16. N-isopropylacrylamide (NIPAAM) modified cellulose acetate ultrafiltration membranes, Journal of	0.1 8.2 8.2 8.2	5 4 124 136 519

#	Article	IF	CITATIONS
400	Effects of membrane fouling and scaling on boron rejection by nanofiltration and reverse osmosis membranes. Desalination, 2011, 279, 269-277.	8.2	103
401	Biofouling in reverse osmosis membranes for seawater desalination: Phenomena and prevention. Desalination, 2011, 281, 1-16.	8.2	515
402	Natural Organic Matter and Disinfection By-products Formation Potential in Water Treatment. Water Resources Management, 2011, 25, 3005-3015.	3.9	24
403	New insights into membrane fouling in a submerged anaerobic membrane bioreactor based on characterization of cake sludge and bulk sludge. Bioresource Technology, 2011, 102, 2373-2379.	9.6	176
404	Coupling effects of feed solution pH and ionic strength on the rejection of boron by NF/RO membranes. Chemical Engineering Journal, 2011, 168, 700-706.	12.7	124
405	Influence of natural organic matter on the deposition kinetics of extracellular polymeric substances (EPS) on silica. Colloids and Surfaces B: Biointerfaces, 2011, 87, 151-158.	5.0	29
406	FTIR study of fatty acid fouling of reverse osmosis membranes: Effects of pH, ionic strength, calcium, magnesium and temperature. Separation and Purification Technology, 2011, 77, 171-178.	7.9	31
407	Membrane foulants characterization in a membrane bioreactor (MBR) treating hypersaline oily wastewater. Chemical Engineering Journal, 2011, 168, 140-150.	12.7	104
408	Colloidal interactions and fouling of NF and RO membranes: A review. Advances in Colloid and Interface Science, 2011, 164, 126-143.	14.7	559
409	FAHP ranking and selection of pretreatment module for membrane separation processes in textile cluster. Bioresource Technology, 2011, 102, 558-566.	9.6	16
410	Development of antifouling properties and performance of nanofiltration membranes modified by interfacial polymerisation. Desalination, 2011, 273, 36-47.	8.2	75
411	Effect of surface charge on hydrophilically modified poly(vinylidene fluoride) membrane for microfiltration. Desalination, 2011, 270, 76-83.	8.2	76
412	Morphological and separation performance study of polysulfone/titanium dioxide (PSF/TiO2) ultrafiltration membranes for humic acid removal. Desalination, 2011, 273, 85-92.	8.2	271
413	A combined pore blockage, osmotic pressure, and cake filtration model for crossflow nanofiltration of natural organic matter and inorganic salts. Desalination, 2011, 274, 182-191.	8.2	19
414	Transparent exopolymer particles (TEP): A critical factor in aquatic biofilm initiation and fouling on filtration membranes. Desalination, 2011, 276, 184-190.	8.2	119
415	Influence of polyvinyl alcohol on the surface morphology, separation and anti-fouling performance of the composite polyamide nanofiltration membranes. Journal of Membrane Science, 2011, 367, 158-165.	8.2	213
416	Structure of cake layer in a submerged anaerobic membrane bioreactor. Journal of Membrane Science, 2011, 374, 110-120.	8.2	139
417	Fouling and cleaning of RO membranes fouled by mixtures of organic foulants simulating wastewater effluent. Journal of Membrane Science, 2011, 376, 196-206.	8.2	222

#	Article	IF	CITATIONS
418	Role of natural organic matter (NOM), colloidal particles, and solution chemistry on ultrafiltration performance. Separation and Purification Technology, 2011, 78, 189-200.	7.9	81
419	Assessing the fouling mechanisms of high-pressure nanofiltration membrane using the modified Hermia model and the resistance-in-series model. Separation and Purification Technology, 2011, 79, 329-336.	7.9	69
420	A systematic study on triazine retention by fouled with humic substances NF/ULPRO membranes. Separation and Purification Technology, 2011, 80, 246-261.	7.9	23
421	Removal of algogenic organic matter by magnetic ion exchange resin pre-treatment and its effect on fouling in ultrafiltration. Water Science and Technology: Water Supply, 2011, 11, 15-22.	2.1	4
422	Interaction of a Spherical Colloid and a Porous Membrane in a Bulk Electrolyte. Chinese Physics Letters, 2011, 28, 058201.	3.3	1
423	Membrane Technology: Past, Present and Future. , 2011, , 1-45.		32
424	Nanofiltration membranes applied to the removal of saxitoxin and congeners. Desalination and Water Treatment, 2011, 27, 8-17.	1.0	9
425	Chemical cleaning of ultrafiltration membrane fouled by an activated sludge effluent. Desalination and Water Treatment, 2011, 34, 94-99.	1.0	20
426	Removal of micropollutants and NOM in carbon nanotube-UF membrane system from seawater. Water Science and Technology, 2011, 63, 2737-2744.	2.5	30
427	Degradation of polymeric membranes in water and wastewater treatment. , 2011, , 718-745.		4
428	Membrane Technologies for Point-of-Use and Point-of-Entry Applications. , 2011, , 603-638.		1
429	Physical, Chemical, and Biological Characterization of Membrane Fouling. , 2012, , 457-503.		2
430	Integrating bench- and full-scale nanofiltration testing for two surface waters. Journal of Water Supply: Research and Technology - AQUA, 2012, 61, 291-305.	1.4	3
431	How does the adsorption of microcystins and anatoxin-a on nanofiltration membranes depend on their co-existence and on the water background matrix. Water Science and Technology, 2012, 66, 976-982.	2.5	3
432	Molecular models of natural organic matter and its colloidal aggregation in aqueous solutions: Challenges and opportunities for computer simulations. Pure and Applied Chemistry, 2012, 85, 149-158.	1.9	14
433	Limitation of Membrane Technology and Prevention of Membrane Fouling. , 2012, , 504-532.		1
434	Effects of natural organic matters molecular weight distribution on the immersed ultrafiltration membrane fouling of different materials. Desalination and Water Treatment, 2012, 50, 95-101.	1.0	5
435	Application of a Hybrid Process Combining Ozone-Coagulation-Microfiltration for Drinking Water Production. Applied Mechanics and Materials, 2012, 212-213, 600-604.	0.2	0

#	Article	IF	CITATIONS
436	Reversible and irreversible fouling of ultrafiltration ceramic membranes by model solutions. Journal - American Water Works Association, 2012, 104, E540.	0.3	16
437	Anti-Fouling Property of Alumina-Doped Polyvinylidene Fluoride (PVDF) Membranes. Journal of Water and Environment Technology, 2012, 10, 241-252.	0.7	1
438	The role of extracellular polymeric substances on the sorption of natural organic matter. Water Research, 2012, 46, 1052-1060.	11.3	72
439	Molecular dynamics simulations of the interactions of potential foulant molecules and a reverse osmosis membrane. Journal of Materials Chemistry, 2012, 22, 175-184.	6.7	54
440	Experiment and modeling of advanced ozone membrane reactor for treatment of organic endocrine disrupting pollutants in water. Catalysis Today, 2012, 193, 120-127.	4.4	39
441	Characterization of natural organic matter treated by iron oxide nanoparticle incorporated ceramic membrane-ozonation process. Water Research, 2012, 46, 5861-5870.	11.3	84
443	Influence of solution chemistry on the surface heterogeneity of reverse osmosis membrane. Desalination and Water Treatment, 2012, 43, 308-313.	1.0	3
444	PAMAM dendrimer for mitigating humic foulant. RSC Advances, 2012, 2, 7997.	3.6	17
445	Effect of membrane properties on the performance of a hybrid GAC and ultrafiltration process for water treatment. Environmental Technology (United Kingdom), 2012, 33, 1353-1359.	2.2	2
446	Practical Aspects of Integrated Operation of Biotransformation and SMB Separation for Fine Chemical Synthesis. Organic Process Research and Development, 2012, 16, 323-330.	2.7	35
447	The influence of feed pH on the performance of a reverse osmosis membrane during alginate fouling. Desalination and Water Treatment, 2012, 50, 220-225.	1.0	1
448	Electrochemical Carbon-Nanotube Filter Performance toward Virus Removal and Inactivation in the Presence of Natural Organic Matter. Environmental Science & Technology, 2012, 46, 1556-1564.	10.0	256
449	Characterization of Boiler Blowdown Water from Steam-Assisted Gravity Drainage and Silica–Organic Coprecipitation during Acidification and Ultrafiltration. Energy & Fuels, 2012, 26, 5604-5612.	5.1	37
450	Fast removal of cyanobacterial toxin microcystin-LR by a low-cytotoxic microgel-Fe(â¢) complex. Water Research, 2012, 46, 1482-1489.	11.3	31
451	Comparison of two fractionation strategies for characterization of wastewater effluent organic matter and diagnosis of membrane fouling. Water Research, 2012, 46, 3714-3722.	11.3	38
452	Synthesis and characterization of PVA/PES thin film composite nanofiltration membrane modified with TiO2 nanoparticles for better performance and surface properties. Journal of Industrial and Engineering Chemistry, 2012, 18, 1398-1405.	5.8	156
453	Natural organic matter removal in single-walled carbon nanotubes–ultrafiltration membrane systems. Desalination, 2012, 298, 75-84.	8.2	34
454	Enhanced Mobility of Fullerene (C ₆₀) Nanoparticles in the Presence of Stabilizing Agents. Environmental Science & Technology, 2012, 46, 11761-11769.	10.0	59

#	Article	IF	CITATIONS
455	Evaluation of DLVO interaction between a sphere and a cylinder. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 415, 218-229.	4.7	23
456	Biofouling in RO system: Mechanisms, monitoring and controlling. Desalination, 2012, 302, 1-23.	8.2	182
457	Characteristics of natural organic matter extracted from the waters of Medjerda dam (Tunisia). Desalination, 2012, 305, 64-71.	8.2	24
458	Evaluation of coagulation (FeCl3) and anion exchange (MIEX) for stabilized landfill leachate treatment and high-pressure membrane pretreatment. Separation and Purification Technology, 2012, 96, 98-106.	7.9	36
459	Seawater ultrafiltration fouling control: Backwashing with demineralized water/SWRO permeate. Separation and Purification Technology, 2012, 98, 327-336.	7.9	16
460	Removal of different fractions of NOM foulants during demineralized water backwashing. Separation and Purification Technology, 2012, 98, 186-192.	7.9	13
461	Batch membrane treatment of olive vegetation wastewater from two-phase olive oil production process by threshold flux based methods. Separation and Purification Technology, 2012, 101, 34-41.	7.9	50
462	NOM and TEP fouling of a forward osmosis (FO) membrane: Foulant identification and cleaning. Journal of Membrane Science, 2012, 421-422, 217-224.	8.2	102
463	Advances in Water Treatment and Pollution Prevention. , 2012, , .		41
464	Graft polymerization and plasma treatment of polymer membranes for fouling reduction: A review. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 1713-1727.	1.7	53
465	Improved Antifouling Properties of Polyamide Nanofiltration Membranes by Reducing the Density of Surface Carboxyl Groups. Environmental Science & Technology, 2012, 46, 13253-13261.	10.0	178
466	Impact of Sunlight and Humic Acid on the Deposition Kinetics of Aqueous Fullerene Nanoparticles (nC ₆₀). Environmental Science & Technology, 2012, 46, 13455-13462.	10.0	58
467	Low Molecular Weight Components in an Aquatic Humic Substance As Characterized by Membrane Dialysis and Orbitrap Mass Spectrometry. Environmental Science & Technology, 2012, 46, 9350-9359.	10.0	93
468	EFFECT OF THE MEMBRANE CHARACTERISTICS AND OPERATION MODES, IN THE FOULING OF ULTRAFILTRATION MEMBRANES BY NATURAL ORGANIC MATTER (NOM). Journal of the Chilean Chemical Society, 2012, 57, 1083-1086.	1.2	4
469	Fouling in reverse osmosis (RO) membrane in water recovery from secondary effluent: a review. Reviews in Environmental Science and Biotechnology, 2012, 11, 125-145.	8.1	95
470	Application of CFD for simulation of a baffled tubular membrane. Chemical Engineering Research and Design, 2012, 90, 600-608.	5.6	32
471	Review of the effect of selected physicochemical factors on membrane fouling propensity based on fouling indices. Desalination, 2012, 287, 167-177.	8.2	110
472	Clay filter-aid in ultrafiltration (UF) of humic acid solution. Desalination, 2012, 292, 73-86.	8.2	15

#	Article	IF	CITATIONS
473	A simplified method for elucidating the effect of size exclusion on nanofiltration membranes. Separation and Purification Technology, 2012, 85, 1-7.	7.9	24
474	TiO2 microsphere for the removal of humic acid from water: Complex surface adsorption mechanisms. Separation and Purification Technology, 2012, 91, 30-37.	7.9	41
475	A comparison of commercial reverse osmosis membrane characteristics and performance under alginate fouling conditions. Separation and Purification Technology, 2012, 89, 270-281.	7.9	58
476	Removal of bisphenol A and 17β-estradiol in single walled carbon nanotubes–ultrafiltration (SWNTs–UF) membrane systems. Separation and Purification Technology, 2012, 90, 39-52.	7.9	111
477	Use of surface enhanced Raman spectroscopy for studying fouling on nanofiltration membrane. Separation and Purification Technology, 2012, 96, 7-11.	7.9	31
478	Colloidal fouling in forward osmosis: Role of reverse salt diffusion. Journal of Membrane Science, 2012, 390-391, 277-284.	8.2	169
479	Assessment of physicochemical interactions in hollow fibre ultrafiltration membrane by contact angle analysis. Journal of Membrane Science, 2012, 403-404, 32-40.	8.2	95
480	Ultrasonic control of UF membrane fouling by natural waters: Effects of calcium, pH, and fractionated natural organic matter. Journal of Membrane Science, 2012, 401-402, 232-240.	8.2	41
481	Comparison of reverse osmosis membrane fouling profiles from Australian water recycling plants. Journal of Membrane Science, 2012, 407-408, 8-16.	8.2	19
482	Correlation of organic fouling resistances in RO and UF membrane filtration under constant flux and constant pressure. Journal of Membrane Science, 2012, 407-408, 34-46.	8.2	67
483	Hybrid Membrane Processes using activated carbon treatment for drinking water: A review. Journal of Membrane Science, 2012, 411-412, 1-12.	8.2	210
484	Effect of natural organic matter on the aggregation kinetics of CeO2 nanoparticles in KCl and CaCl2 solutions: Measurements and modeling. Journal of Hazardous Materials, 2012, 209-210, 264-270.	12.4	81
485	Hydrated Polyamide Membrane and Its Interaction with Alginate: A Molecular Dynamics Study. Langmuir, 2013, 29, 11600-11608.	3.5	73
486	A review on membrane fabrication: Structure, properties and performance relationship. Desalination, 2013, 326, 77-95.	8.2	823
487	Multi-walled carbon nanotubes (MWNTs)/polysulfone (PSU) mixed matrix hollow fiber membranes for enhanced water treatment. Journal of Membrane Science, 2013, 437, 237-248.	8.2	173
488	Aggregation kinetics and surface charge of CuO nanoparticles: the influence of pH, ionic strength and humic acids. Environmental Chemistry, 2013, 10, 313.	1.5	99
489	Improvement on the modified Lowry method against interference of divalent cations in soluble protein measurement. Applied Microbiology and Biotechnology, 2013, 97, 4167-4178.	3.6	73
490	Changes in surface properties and separation efficiency of a nanofiltration membrane after repeated fouling and chemical cleaning cycles. Separation and Purification Technology, 2013, 113, 42-50.	7.9	57

#	Article	IF	CITATIONS
491	Enhanced removal of natural organic matter by hybrid process of electrocoagulation and dead-end microfiltration. Chemical Engineering Journal, 2013, 232, 338-345.	12.7	48
492	Effects of NOM properties on copper release from model solid phases. Water Research, 2013, 47, 4843-4852.	11.3	16
493	Microfiltration (MF) membrane fouling potential evaluation of protein with different ion strengths and divalent cations based on extended DLVO theory. Desalination, 2013, 331, 62-68.	8.2	50
494	Manuale di microbiologia predittiva. Food, 2013, , .	0.0	2
495	Competition Impact of Sulfate on NOM Removal by Anion-Exchange Resins in High-Sulfate and Low-SUVA Waters. Industrial & Engineering Chemistry Research, 2013, 52, 14261-14269.	3.7	20
496	Membrane fouling due to alginate, SMP, EfOM, humic acid, and NOM. Journal of Membrane Science, 2013, 428, 190-197.	8.2	161
497	Identification of foulants, fouling mechanisms and cleaning efficiency for NF and RO treatment of produced water. Separation and Purification Technology, 2013, 118, 324-341.	7.9	43
498	Effective treatment of olive mill effluents from two-phase and three-phase extraction processes by batch membranes in series operation upon threshold conditions. Journal of Hazardous Materials, 2013, 263, 168-176.	12.4	40
499	Retention of pesticide Endosulfan by nanofiltration: Influence of organic matter–pesticide complexation and solute–membrane interactions. Water Research, 2013, 47, 3484-3496.	11.3	39
500	Surface water nanofiltration incorporating (electro) coagulation–microfiltration pretreatment: Fouling control and membrane characterization. Journal of Membrane Science, 2013, 437, 249-256.	8.2	45
501	Effects of caustic cleaning on pore size of nanofiltration membranes and their rejection of trace organic chemicals. Journal of Membrane Science, 2013, 447, 153-162.	8.2	82
502	Resistance of the constitutive microflora of biofilms formed on whey reverse-osmosis membranes to individual cleaning steps of a typical clean-in-place protocol. Journal of Dairy Science, 2013, 96, 6213-6222.	3.4	28
503	Kinetic Study of Seawater Reverse Osmosis Membrane Fouling. Environmental Science & Technology, 2013, 47, 10884-10894.	10.0	62
504	Cleaning of ultrafiltration membranes after the treatment of surface water: static–dynamic test. Desalination and Water Treatment, 2013, 51, 609-616.	1.0	1
505	Effect of dissolved organic matter on arsenic removal by nanofiltration. Desalination and Water Treatment, 2013, 51, 2269-2274.	1.0	8
506	Source water quality shaping different fouling scenarios in a full-scale desalination plant at the Red Sea. Water Research, 2013, 47, 558-568.	11.3	70
507	Assessment of SMP fouling by foulant–membrane interaction energy analysis. Journal of Membrane Science, 2013, 446, 154-163.	8.2	109
508	Natural organic matter fouling in pressure retarded osmosis. Journal of Membrane Science, 2013, 438, 46-56.	8.2	98

#	Article	IF	CITATIONS
509	Interaction energy evaluation of the role of solution chemistry and organic foulant composition on polysaccharide fouling of microfiltration membrane bioreactors. Chemical Engineering Science, 2013, 104, 1028-1035.	3.8	28
510	Ceramic membrane filtration of organic compounds: Effect of concentration, pH, and mixtures interactions on fouling. Separation and Purification Technology, 2013, 118, 762-775.	7.9	45
511	Influence of various operating conditions on cleaning efficiency in sequencing batch reactor (SBR) activated sludge process. Part III: Chemical cleaning. Desalination, 2013, 325, 122-131.	8.2	15
512	Influence of peptides and proteins produced by cyanobacterium Microcystis aeruginosa on the coagulation of turbid waters. Separation and Purification Technology, 2013, 118, 49-57.	7.9	52
513	The role of conditioning film formation in Pseudomonas aeruginosa PAO1 adhesion to inert surfaces in aquatic environments. Biochemical Engineering Journal, 2013, 76, 90-98.	3.6	40
514	Effects of aluminum hydrolysis products and natural organic matter on nanofiltration fouling with PACI coagulation pretreatment. Separation and Purification Technology, 2013, 120, 78-85.	7.9	20
516	Effects of humic and fulvic acids on aggregation of aqu/nC60 nanoparticles. Water Research, 2013, 47, 1793-1802.	11.3	85
517	Preparation and performance evaluation of poly (amide–imide) and TiO2 nanoparticles impregnated polysulfone nanofiltration membranes in the removal of humic substances. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 418, 92-104.	4.7	60
518	Aggregation kinetics of humic acids in the presence of calcium ions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 427, 76-82.	4.7	101
519	Predicting colloidal fouling of tap water by silt density index (SDI): Pore blocking in a membrane process. Journal of Environmental Chemical Engineering, 2013, 1, 33-37.	6.7	9
520	Osmosis-assisted cleaning of organic-fouled seawater RO membranes. Chemical Engineering Journal, 2013, 218, 173-182.	12.7	47
521	Fouling of nanofiltration membrane: Effects of NOM molecular weight and microcystins. Desalination, 2013, 315, 149-155.	8.2	34
522	Assessing the aggregation behaviour of iron oxide nanoparticles under relevant environmental conditions using a multi-method approach. Water Research, 2013, 47, 4585-4599.	11.3	47
523	Synthesis and characterization of novel antibacterial silver nanocomposite nanofiltration and forward osmosis membranes based on layer-by-layer assembly. Water Research, 2013, 47, 3081-3092.	11.3	161
524	Appropriate drinking water treatment processes for organic micropollutants removal based on experimental and model studies — A multi-criteria analysis study. Science of the Total Environment, 2013, 442, 478-488.	8.0	56
525	Studies on copper coated polysulfone/modified poly isobutylene alt-maleic anhydride blend membrane and its antibiofouling property. Desalination, 2013, 308, 82-88.	8.2	16
526	Influence of the characteristics of soluble algal organic matter released from Microcystis aeruginosa on the fouling of a ceramic microfiltration membrane. Journal of Membrane Science, 2013, 425-426, 23-29.	8.2	84
	Effects of shear rate on biofouling of reverse osmosis membrane during tertiary wastewater		

#	Article	IF	CITATIONS
528	Pre-treatment of Llobregat River raw water through pressurised inside/out hollow fibre ultrafiltration membranes. Desalination and Water Treatment, 2013, 51, 1831-1837.	1.0	5
529	Coagulation Kinetics of Humic Aggregates in Mono- and Di-Valent Electrolyte Solutions. Environmental Science & Technology, 2013, 47, 5042-5049.	10.0	100
530	Effect of chemical cleaning conditions on the flux recovery of fouled membrane. Desalination and Water Treatment, 2013, 51, 5268-5274.	1.0	15
531	Influence of Natural Organic Matter Fouling and Osmotic Backwash on Pressure Retarded Osmosis Energy Production from Natural Salinity Gradients. Environmental Science & Technology, 2013, 47, 12607-12616.	10.0	106
532	Studies on the surface properties of mixedâ€matrix membrane and its antifouling properties for humic acid removal. Journal of Applied Polymer Science, 2013, 128, 3184-3192.	2.6	33
533	Usage of permeate water for treated domestic wastewater by direct capillary nanofiltration membrane in agriculture reuse. Desalination and Water Treatment, 2013, 51, 2584-2591.	1.0	5
534	Ultrafiltration of humic acid and surface water with tubular ceramic membrane. Desalination and Water Treatment, 2013, 51, 5319-5326.	1.0	8
535	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
536	Identification of nanofiltration fouling layer constituents. Desalination and Water Treatment, 2013, 51, 6921-6928.	1.0	3
537	Analyses of molecular weight distribution of organic matters with pre-oxidation and PAC–UF pretreatment before seawater reverse osmosis. Desalination and Water Treatment, 2013, 51, 3920-3924.	1.0	6
538	Fouling Characteristics and Electrochemical Recovery of Carbon Nanotube Membranes. Advanced Functional Materials, 2013, 23, 1500-1506.	14.9	71
539	Ti-salt flocculation for dissolved organic matter removal in seawater. Desalination and Water Treatment, 2013, 51, 3591-3596.	1.0	5
540	Preliminary studies of water treatment using forward osmosis. Desalination and Water Treatment, 2013, 51, 800-806.	1.0	4
541	Effect of chemical cleaning conditions on the flux recovery of MF membrane as pretreatment of seawater desalination. Desalination and Water Treatment, 2013, 51, 6329-6337.	1.0	6
542	UV-photografting modification of NF membrane surface for NOM wfouling reduction. Desalination and Water Treatment, 2013, 51, 4855-4861.	1.0	11
543	Fouling in Membrane Filtration and Remediation Methods. , 0, , .		44
544	A Novel Photocatalyst with Ferromagnetic Core Used for the Treatment of Olive Oil Mill Effluents from Two-Phase Production Process. Scientific World Journal, The, 2013, 2013, 1-9.	2.1	12
545	Investigation of New Polyester Nanofiltration (NF) Membrane Fouling with Humic Acid Solution. Jurnal Teknologi (Sciences and Engineering), 2013, 65, .	0.4	2

#	Article	IF	CITATIONS
546	Fouling Issues in Membrane Bioreactors (MBRs) for Wastewater Treatment: Major Mechanisms, Prevention and Control Strategies. Processes, 2014, 2, 795-866.	2.8	90
547	Understanding the fouling of algogenic organic matter in microfiltration using membrane–foulant interaction energy analysis: Effects of organic hydrophobicity. Colloids and Surfaces B: Biointerfaces, 2014, 122, 447-456.	5.0	36
548	Biofilm Processes and Control in Water and Wastewater Treatment. , 2014, , 90-107.		20
549	Review of high recovery concentrate management options. Desalination and Water Treatment, 2014, 52, 7609-7627.	1.0	12
550	Advances in Membrane Technologies for Drinking Water Purification. , 2014, , 75-97.		3
551	An analysis of the effects of osmotic backwashing on the seawater reverse osmosis process. Environmental Technology (United Kingdom), 2014, 35, 1455-1461.	2.2	9
553	On the spectral induced polarization signature of soil organic matter. Geophysical Journal International, 2014, 200, 589-595.	2.4	16
554	Predicting Nanofiltration Performance during Treatment of Welding Electrode Manufacturing Wastewater, Using Artificial Neural Networks. Applied Mechanics and Materials, 0, 618, 55-59.	0.2	0
555	Nanofiltration for wastewater reuse: Counteractive effects of fouling and matrice on the rejection of pharmaceutical active compounds. Separation and Purification Technology, 2014, 133, 313-327.	7.9	76
557	Drinking Water: Factors Affecting the Quality of Drinking Water. , 2014, , 105-245.		1
558	Combined organic and colloidal fouling in forward osmosis: Fouling reversibility and the role of applied pressure. Journal of Membrane Science, 2014, 460, 206-212.	8.2	152
559	Toward improvement of methods for predicting fouling of desalination membranes — The effect of permeate flux on specific fouling resistance. Desalination, 2014, 343, 97-105.	8.2	13
560	Natural Organic Matter Removal from Drinking Water by Membrane Technology. Separation and Purification Reviews, 2014, 43, 1-61.	5.5	97
561	Polymeric membranes: Surface modification for minimizing (bio)colloidal fouling. Advances in Colloid and Interface Science, 2014, 206, 116-140.	14.7	211
562	Impacts of NF concentrate recirculation on membrane performance in an integrated MBR and NF membrane process for wastewater treatment. Journal of Membrane Science, 2014, 453, 359-368.	8.2	47
563	Influence of Ionic Strength and Flow Rate on Silt Particle Deposition and Release in Saturated Porous Medium: Experiment and Modeling. Transport in Porous Media, 2014, 103, 1-24.	2.6	38
564	Impact of natural water colloids and cations on the rejection of pharmaceutically active and endocrine disrupting compounds by nanofiltration. Journal of Membrane Science, 2014, 450, 272-281.	8.2	33
565	The role of cell-surface interactions in bacterial initial adhesion and consequent biofilm formation on nanofiltration/reverse osmosis membranes. Journal of Membrane Science, 2014, 454, 82-96.	8.2	215

#	Article	IF	CITATIONS
566	Effects of organic macromolecular conditioning on gypsum scaling of forward osmosis membranes. Journal of Membrane Science, 2014, 450, 153-161.	8.2	87
567	Nano-colloidal fouling mechanisms in seawater reverse osmosis process evaluated by cake resistance simulator-modified fouling index nanofiltration. Desalination, 2014, 343, 88-96.	8.2	27
568	Adjustment of the wastewater matrix for optimization of membrane systems applied for water reuse in breweries. Journal of Membrane Science, 2014, 465, 68-77.	8.2	20
569	Ozonation pretreatment for stabilized landfill leachate high-pressure membrane treatment. Desalination, 2014, 344, 163-170.	8.2	34
570	Self-sustained electro-spun polysulfone nano-fibrous membranes and their surface modification by interfacial polymerization for micro- and ultra-filtration. Separation and Purification Technology, 2014, 138, 118-129.	7.9	59
571	Removal of fluoride and uranium by nanofiltration and reverse osmosis: A review. Chemosphere, 2014, 117, 679-691.	8.2	247
572	A novel analysis of reverse draw and feed solute fluxes in forward osmosis membrane process. Desalination, 2014, 352, 128-135.	8.2	41
573	Observations and Mechanism of CaSO ₄ Fouling on Hydrophobic Surfaces. Industrial & Engineering Chemistry Research, 2014, 53, 3509-3527.	3.7	24
574	Antifouling behaviours of PVDF/nano-TiO ₂ composite membranes revealed by surface energetics and quartz crystal microbalance monitoring. RSC Advances, 2014, 4, 43590-43598.	3.6	43
575	A physical impact of organic fouling layers on bacterial adhesion during nanofiltration. Water Research, 2014, 67, 118-128.	11.3	22
576	Removal of BPA by enzyme polymerization using NF membranes. Journal of Membrane Science, 2014, 468, 192-201.	8.2	76
577	Novel grafting method efficiently decreases irreversible fouling of ceramic nanofiltration membranes. Journal of Membrane Science, 2014, 470, 369-377.	8.2	73
578	Dissolved Organic Matter Adsorption to Model Surfaces: Adlayer Formation, Properties, and Dynamics at the Nanoscale. Environmental Science & amp; Technology, 2014, 48, 9420-9429.	10.0	54
579	Molecular Dynamics Simulations of Polyamide Membrane, Calcium Alginate Gel, and Their Interactions in Aqueous Solution. Langmuir, 2014, 30, 9098-9106.	3.5	82
580	Enzymatic cleaning of biofouled thin-film composite reverse osmosis (RO) membrane operated in a biofilm membrane reactor. Biofouling, 2014, 30, 153-167.	2.2	20
581	Development and Control of Bacterial Biofilms on Dairy Processing Membranes. Comprehensive Reviews in Food Science and Food Safety, 2014, 13, 18-33.	11.7	71
582	Application of polysulfone/cyclodextrin mixed-matrix membranes in the removal of natural organic matter from water. Physics and Chemistry of the Earth, 2014, 67-69, 71-78.	2.9	32
583	Fouling distribution in forward osmosis membrane process. Journal of Environmental Sciences, 2014, 26, 1348-1354.	6.1	27

#	ARTICLE	IF	CITATIONS
584	Effects on the purification of tannic acid and natural dissolved organic matter by forward osmosis membrane. Journal of Membrane Science, 2014, 455, 31-43.	8.2	24
585	Cross-sectional analysis of fouled SWRO membranes by STEM–EDS. Desalination, 2014, 333, 118-125.	8.2	5
586	Differential natural organic matter fouling ofÂceramic versus polymeric ultrafiltration membranes. Water Research, 2014, 48, 43-51.	11.3	84
587	Adsorptive Removal of Humic Acid by Zirconia Embedded in a Poly(ether sulfone) Membrane. Industrial & Engineering Chemistry Research, 2014, 53, 11355-11364.	3.7	52
588	Organic fouling behavior in direct contact membrane distillation. Desalination, 2014, 347, 230-239.	8.2	134
589	Fouling of Reverse Osmosis Membranes Processing Swine Wastewater Pretreated by Mechanical Separation and Aerobic Biofiltration. Separation Science and Technology, 2014, 49, 1298-1308.	2.5	8
590	Organic fouling inhibition on electrically conducting carbon nanotube–polyvinyl alcohol composite ultrafiltration membranes. Journal of Membrane Science, 2014, 468, 1-10.	8.2	211
591	The impact of EfOM, NOM and cations on phosphate rejection by tight ceramic ultrafiltration. Separation and Purification Technology, 2014, 132, 289-294.	7.9	16
592	Efficacy evaluation of the antifouling magnetite–PES composite membrane through QCM-D and magnetophoretic filtration performances. Separation and Purification Technology, 2014, 132, 138-148.	7.9	18
593	Assessing the effect of surface modification of polyamide RO membrane by I-DOPA on the short range physiochemical interactions with biopolymer fouling on the membrane. Colloids and Surfaces B: Biointerfaces, 2014, 120, 222-228.	5.0	25
594	Development of predictive tools for membrane ageing. Water Intelligence Online, 0, 13, .	0.3	4
595	Retention and separation of 4BS dye from wastewater by the N-TiO ₂ ceramic membrane. Desalination and Water Treatment, 0, , 1-7.	1.0	3
596	New Polyester Nanofiltration (NF) Membrane for Humic Acid Removal. Advanced Materials Research, 0, 1107, 383-388.	0.3	3
597	Targeted Removal of Dissolved Organic Matter in Boiler-Blowdown Wastewater: Integrated Membrane Filtration for Produced Water Reuse. Industrial & Engineering Chemistry Research, 2015, 54, 9431-9439.	3.7	13
598	Polymerization Rate Considerations for High Molecular Weight Polyisopreneâ€ <i>b</i> â€Polystyreneâ€ <i>b</i> â€Poly(<i>N</i> , <i>N</i> â€dimethylacrylamide) Triblock Polymer Synthesized Via Sequential Reversible Additionâ€Fragmentation Chain Transfer (RAFT) Reactions. Macromolecular Chemistry and Physics, 2015, 216, 1831-1840.	^{°S} 2.2	10
599	Nano-Filtration and Ultra-Filtration Ceramic Membranes for Food Processing: A Mini Review. Journal of Membrane Science & Technology, 2015, 05, .	0.5	19
600	Tailoring Membrane Surface Charges: A Novel Study on Electrostatic Interactions during Membrane Fouling. Polymers, 2015, 7, 2017-2030.	4.5	58
601	Ceramic microfiltration – influence of pretreatment on operational performance. Water Practice and Technology, 2015, 10, 747-760.	2.0	8

	CITATION RI	CITATION REPORT	
#	Article	IF	Citations
602	Recent Developments in Environmental Photocatalytic Degradation of Organic Pollutants: The Case of Titanium Dioxide Nanoparticles—A Review. Journal of Nanomaterials, 2015, 2015, 1-29.	2.7	174
603	Production of Sulfate Radical and Hydroxyl Radical by Reaction of Ozone with Peroxymonosulfate: A Novel Advanced Oxidation Process. Environmental Science & Technology, 2015, 49, 7330-7339.	10.0	490
604	Humic acid adsorption onto cationic cellulose nanofibers for bioinspired removal of copper(<scp>ii</scp>) and a positively charged dye. Soft Matter, 2015, 11, 5294-5300.	2.7	77
605	Hydroxyl functionalized <scp>PVDF–T</scp> i <scp>O</scp> ₂ ultrafiltration membrane and its antifouling properties. Journal of Applied Polymer Science, 2015, 132, .	2.6	26
606	Multiple MFI measurements for the evaluation of organic fouling in SWRO desalination. Desalination, 2015, 365, 136-143.	8.2	16
607	Factors affecting fluoride and natural organic matter (NOM) removal from natural waters in Tanzania by nanofiltration/reverse osmosis. Science of the Total Environment, 2015, 527-528, 520-529.	8.0	113
608	Ozonation as a pretreatment for nanofiltration: Effect of oxidation pathway on the permeate flux. Separation and Purification Technology, 2015, 149, 174-182.	7.9	20
609	Fouling potential evaluation by cake fouling index: Theoretical development, measurements, and its implications for fouling mechanisms. Journal of Membrane Science, 2015, 490, 57-64.	8.2	30
610	Forward osmosis desalination of oil and gas wastewater: Impacts of membrane selection and operating conditions on process performance. Journal of Membrane Science, 2015, 488, 40-55.	8.2	114
611	Membrane Fouling in Forward Osmosis Processes. , 2015, , 217-240.		1
612	Nanofiltration of oil sands boiler feed water: Effect of pH on water flux and organic and dissolved solid rejection. Separation and Purification Technology, 2015, 141, 339-353.	7.9	57
613	A pilot-scale coupling catalytic ozonation–membrane filtration system for recirculating aquaculture wastewater treatment. Desalination, 2015, 363, 37-43.	8.2	50
614	Improved antifouling property of PVDF membranes by incorporating an amphiphilic block-like copolymer for oil/water emulsion separation. RSC Advances, 2015, 5, 21349-21359.	3.6	53
615	Development of functionalized doped carbon nanotube/polysulfone nanofiltration membranes for fouling control. Journal of Applied Polymer Science, 2015, 132, .	2.6	15
616	Transparent Exopolymer Particles: From Aquatic Environments and Engineered Systems to Membrane Biofouling. Environmental Science & Technology, 2015, 49, 691-707.	10.0	147
617	Influence of natural organic matter on the bioavailability and preservation of organic phosphorus in lake sediments. Chemical Geology, 2015, 397, 51-60.	3.3	57
618	New insights into organic gel fouling of reverse osmosis desalination membranes. Desalination, 2015, 368, 114-126.	8.2	36
619	Fractal structure and permeability of membrane cake layers: Effect of coagulation–flocculation and settling as pretreatment steps. Separation and Purification Technology, 2015, 143, 40-51.	7.9	37

#	Article	IF	CITATIONS
620	Magnetic nanoparticles augmented composite membranes in removal of organic foulant through magnetic actuation. Journal of Membrane Science, 2015, 493, 134-146.	8.2	39
621	Zwitterionic copolymer self-assembly for fouling resistant, high flux membranes with size-based small molecule selectivity. Journal of Membrane Science, 2015, 493, 755-765.	8.2	119
622	Preparation of Antifouling Nanofiltration Membrane via Interfacial Polymerization of Fluorinated Polyamine and Trimesoyl Chloride. Industrial & Engineering Chemistry Research, 2015, 54, 8302-8310.	3.7	25
623	Impacts of operating conditions on nanofiltration of secondary-treated two-phase olive mill wastewater. Journal of Environmental Management, 2015, 161, 219-227.	7.8	9
624	Silver nanoparticles separation from the water using nanofiltration membranes: The role of mono- divalent salts and NOM. Separation and Purification Technology, 2015, 149, 165-173.	7.9	15
625	Probing the roles of Ca2+ and Mg2+ in humic acids-induced ultrafiltration membrane fouling using an integrated approach. Water Research, 2015, 81, 325-332.	11.3	94
626	Hydraulic irreversibility of ultrafiltration membrane fouling by humic acid: Effects of membrane properties and backwash water composition. Journal of Membrane Science, 2015, 493, 723-733.	8.2	102
627	Influence of salts, anion polyacrylamide and crude oil on nanofiltration membrane fouling during desalination process of polymer flooding produced water. Desalination, 2015, 373, 27-37.	8.2	58
628	Composite forward osmosis hollow fiber membranes: Integration of RO- and NF-like selective layers for enhanced organic fouling resistance. Journal of Membrane Science, 2015, 492, 147-155.	8.2	34
629	Combined effects of organic matter and calcium on biofouling of nanofiltration membranes. Journal of Membrane Science, 2015, 486, 177-188.	8.2	65
630	Mechanism analysis of membrane fouling behavior by humic acid using atomic force microscopy: Effect of solution pH and hydrophilicity of PVDF ultrafiltration membrane interface. Journal of Membrane Science, 2015, 487, 180-188.	8.2	57
631	Comparing humic acid and protein fouling on polysulfone ultrafiltration membranes: Adsorption and reversibility. Journal of Water Process Engineering, 2015, 6, 83-92.	5.6	33
633	Hydrophilic, Bactericidal Nanoheater-Enabled Reverse Osmosis Membranes to Improve Fouling Resistance. ACS Applied Materials & Interfaces, 2015, 7, 11117-11126.	8.0	67
634	Treatment of landfill leachate by membrane processes of nanofiltration and reverse osmosis. Desalination and Water Treatment, 2015, 55, 2680-2689.	1.0	27
635	Characterization of organic fouling in reverse osmosis membranes by headspace solid phase microextraction and gas chromatography–mass spectrometry. Water Science and Technology, 2015, 71, 117-125.	2.5	5
636	Optimization of Chemical Cleaning for Improvement of Membrane Performance and Fouling Control in Drinking Water Treatment. Separation Science and Technology, 2015, 50, 1835-1845.	2.5	16
637	Effect of nanofiltration membrane surface fouling on organic micro-pollutants rejection: The roles of aqueous transport and solid transport. Desalination, 2015, 367, 103-111.	8.2	11
638	Factors influencing natural organic matter sorption onto commercial graphene oxides. Chemical Engineering Journal, 2015, 273, 568-579.	12.7	40

#	Article	IF	CITATIONS
639	Role of Reverse Divalent Cation Diffusion in Forward Osmosis Biofouling. Environmental Science & Technology, 2015, 49, 13222-13229.	10.0	50
640	Evaluation of electrocoagulation as pre-treatment of oil emulsions, followed by reverse osmosis. Journal of Water Process Engineering, 2015, 8, 126-135.	5.6	29
641	Humic acid fouling mitigation by ultrasonic irradiation in membrane distillation process. Separation and Purification Technology, 2015, 154, 328-337.	7.9	41
642	Frontiers of Nanoelectrochemistry and Application of Nanotechnology: A Vision for the Future. , 2015, , 1-15.		0
643	Efficiency of EDTA, SDS and NaOH solutions to clean RO membranes processing swine wastewater. Separation Science and Technology, 0, , 150629134718002.	2.5	4
644	Application of airlift ceramic ultrafiltration membrane ozonation reactor in the degradation of humic acids. Desalination and Water Treatment, 2015, 56, 285-294.	1.0	3
645	Comparative study of humic acid removal and floc characteristics by electrocoagulation and chemical coagulation. Environmental Monitoring and Assessment, 2015, 187, 670.	2.7	10
646	Factors governing combined fouling by organic and colloidal foulants in cross-flow nanofiltration. Journal of Membrane Science, 2015, 491, 53-62.	8.2	44
647	Molecular dynamics modeling of carbon dioxide, water and natural organic matter in Na-hectorite. Physical Chemistry Chemical Physics, 2015, 17, 23356-23367.	2.8	20
648	Nanofiltration based water reclamation from tannery effluent following coagulation pretreatment. Ecotoxicology and Environmental Safety, 2015, 121, 22-30.	6.0	35
649	Concentration and characterization of organic colloids in deep granitic groundwater using nanofiltration membranes for evaluating radionuclide transport. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 485, 55-62.	4.7	5
650	Development of polyelectrolyte multilayer membranes to reduce the COD level of electrocoagulation treated high-strength wastewater. Journal of Membrane Science, 2015, 496, 259-266.	8.2	17
651	Integrity of PVC membranes after sequential cleaning with hypochlorite and citric acid. Desalination and Water Treatment, 2015, 53, 2897-2904.	1.0	1
652	Membranes. , 2015, , 113-157.		5
653	Organic fouling mechanisms in forward osmosis membrane process under elevated feed and draw solution temperatures. Desalination, 2015, 355, 169-177.	8.2	70
654	Humic acid fouling in a submerged photocatalytic membrane reactor with binary TiO 2 –ZrO 2 particles. Journal of Industrial and Engineering Chemistry, 2015, 21, 779-786.	5.8	44
655	Nanofiltration membranes review: Recent advances and future prospects. Desalination, 2015, 356, 226-254.	8.2	1,432
656	Microfiltration of humic-rich water coagulated with cationic polymer: The effects of particle characteristics on the membrane performance. Journal of Membrane Science, 2015, 475, 349-356.	8.2	13

			0
#	ARTICLE	IF	CITATIONS
657	Interaction mechanisms of humic acid combined with calcium ions on membrane fouling at different conditions in an ultrafiltration system. Desalination, 2015, 357, 26-35.	8.2	89
658	Physicochemical analysis and adequation of olive oil mill wastewater after advanced oxidation process for reclamation by pressure-driven membrane technology. Science of the Total Environment, 2015, 503-504, 113-121.	8.0	28
659	Interaction of humic substances on fouling in membrane distillation for seawater desalination. Chemical Engineering Journal, 2015, 262, 946-957.	12.7	92
660	Fouling and its control in membrane distillation—A review. Journal of Membrane Science, 2015, 475, 215-244.	8.2	776
661	Copper release from copper nanoparticles in the presence of natural organic matter. Water Research, 2015, 68, 12-23.	11.3	92
662	Scaling and fouling in membrane distillation for desalination applications: A review. Desalination, 2015, 356, 294-313.	8.2	607
663	Effects of water quality on the coagulation performances of humic acids irradiated with UV light. Frontiers of Environmental Science and Engineering, 2015, 9, 147-154.	6.0	6
664	Effective degradation and detoxification of landfill leachates using a new combination process of coagulation/flocculation-Fenton and powder zeolite adsorption. Desalination and Water Treatment, 2015, 55, 151-162.	1.0	4
665	Fouling mechanisms in the early stage of an enhanced coagulation-ultrafiltration process. Frontiers of Environmental Science and Engineering, 2015, 9, 73-83.	6.0	4
667	Influence of copper oxide nanomaterials in a poly(ether sulfone) membrane for improved humic acid and oil–water separation. Journal of Applied Polymer Science, 2016, 133, .	2.6	23
668	Comparison of media and membrane filtrations for seawater desalination pretreatment. Desalination and Water Treatment, 2016, 57, 26606-26611.	1.0	2
669	Evaluation of forward osmosis membrane performance by using wastewater treatment plant effluents as feed solution. Desalination and Water Treatment, 2016, 57, 26657-26669.	1.0	11
670	The critical zeta potential of polymer membranes: how electrolytes impact membrane fouling. RSC Advances, 2016, 6, 98180-98189.	3.6	50
671	Impact of feed ionic concentration on colloidal and organic fouling of osmoticallyÂdriven membrane process. Desalination and Water Treatment, 2016, 57, 24551-24556.	1.0	3
672	Hybrid processes for treatment of landfill leachate: Coagulation/UF/NF-RO and adsorption/UF/NF-RO. Separation and Purification Technology, 2016, 168, 39-46.	7.9	85
673	Relationship between performance deterioration of a polyamide reverse osmosis membrane used in a seawater desalination plant and changes in its physicochemical properties. Water Research, 2016, 100, 326-336.	11.3	31
674	Preparation and characterization of a novel hydrophilic poly(vinylidene fluoride) filtration membrane incorporated with Zn–Al layered double hydroxides. Journal of Industrial and Engineering Chemistry, 2016, 39, 37-47.	5.8	22
675	Investigation of combined fouling behavior in nano-filtration process under various feed conditions. Separation Science and Technology, 2016, 51, 681-691.	2.5	4

#	Article	IF	CITATIONS
676	Enhanced resistance to organic fouling in a surface-modified reverse osmosis desalination membrane. Desalination and Water Treatment, 2016, 57, 24833-24843.	1.0	4
677	Fouling prevention, preparing for re-use and membrane recycling. Towards circular economy in RO desalination. Desalination, 2016, 393, 16-30.	8.2	117
678	Comparative study on the removal of humic acids from drinking water by anodic oxidation and electro-Fenton processes: Mineralization efficiency and modelling. Applied Catalysis B: Environmental, 2016, 194, 32-41.	20.2	119
679	Efficient condensation of organic colloids in deep groundwater using surface-modified nanofiltration membranes under optimized hydrodynamic conditions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 495, 68-78.	4.7	1
680	Superfine powdered activated carbon (S-PAC) coatings on microfiltration membranes: Effects of milling time on contaminant removal and flux. Water Research, 2016, 100, 429-438.	11.3	35
682	Polyamide nanofiltration membranes modified with Zn–Al layered double hydroxides for natural organic matter removal. Composites Science and Technology, 2016, 132, 84-92.	7.8	41
683	The control of N-nitrosodimethylamine, Halonitromethane, and Trihalomethane precursors by Nanofiltration. Water Research, 2016, 105, 274-281.	11.3	35
684	Effect of water chemistry and operational conditions on $\hat{l}^{1}/4$ GAF process performance. Water Research, 2016, 105, 76-84.	11.3	6
685	Evidence of solute-solute interactions and cake enhanced concentration polarization during removal of pharmaceuticals from urban wastewater by nanofiltration. Water Research, 2016, 104, 156-167.	11.3	57
686	Self-cleaning behavior of nanocomposite membrane induced by photocatalytic WO3 nanoparticles for landfill leachate treatment. Korean Journal of Chemical Engineering, 2016, 33, 2968-2981.	2.7	26
687	Membrane Fouling and Strategies forÂCleaning and Fouling Control. , 2016, , 25-53.		4
688	Reverse osmosis fouling during pilot-scale municipal water reuse: Evidence for aluminum coagulant carryover. Journal of Membrane Science, 2016, 520, 231-239.	8.2	32
689	Particle adsorption on a polyether sulfone membrane: how electrostatic interactions dominate membrane fouling. RSC Advances, 2016, 6, 65383-65391.	3.6	33
690	Modeling the effects of surfactant, hardness, and natural organic matter on deposition and mobility of silver nanoparticles in saturated porous media. Water Research, 2016, 103, 38-47.	11.3	33
691	Characterization of natural organic matter in drinking water: Sample preparation and analytical approaches. Trends in Environmental Analytical Chemistry, 2016, 12, 23-30.	10.3	53
692	Electroconductive and electroresponsive membranes for water treatment. Reviews in Chemical Engineering, 2016, 32, 533-550.	4.4	80
693	Hydrophilic Modification of Polysulfone Ultrafiltration Membranes by Low Temperature Water Vapor Plasma Treatment to Enhance Performance. Plasma Processes and Polymers, 2016, 13, 598-610.	3.0	31
694	Fouling control using temperature responsive <i>N</i> â€isopropylacrylamide (NIPAAm) membranes. Environmental Progress and Sustainable Energy, 2016, 35, 416-427.	2.3	10

	CITATION	Report	
#	Article	IF	CITATIONS
695	Analysis of nanoporous membrane fouling relying on experimental observation and theoretical model for landfill leachate treatment. Water Science and Technology, 2016, 73, 1-12.	2.5	8
696	Membrane distillation for concentration of hypersaline brines from the Great Salt Lake: Effects of scaling and fouling on performance, efficiency, and salt rejection. Separation and Purification Technology, 2016, 170, 78-91.	7.9	92
697	Membrane Fouling, Modelling and Recent Developments for Mitigation. , 2016, , 433-462.		6
698	Shielding membrane surface carboxyl groups by covalent-binding graphene oxide to improve anti-fouling property and the simultaneous promotion of flux. Water Research, 2016, 102, 619-628.	11.3	59
699	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
700	nC60 deposition kinetics: the complex contribution of humic acid, ion concentration, and valence. Journal of Colloid and Interface Science, 2016, 473, 132-140.	9.4	11
701	The synergistic effect of organic foulants and their fouling behavior on the nanofiltration separation to multivalent ions. Desalination and Water Treatment, 2016, 57, 29044-29057.	1.0	2
702	Analyzing the Evolution of Membrane Fouling via a Novel Method Based on 3D Optical Coherence Tomography Imaging. Environmental Science & Technology, 2016, 50, 6930-6939.	10.0	79
703	HAOPs pretreatment to reduce membrane fouling: Foulant identification, removal, and interactions. Journal of Membrane Science, 2016, 515, 219-229.	8.2	13
704	Influence of the background water matrix on the hybrid ceramic <scp>MF</scp> / <scp>O₃</scp> system and correlation between pollutants rejection and membrane fouling. Journal of Chemical Technology and Biotechnology, 2016, 91, 958-966.	3.2	1
705	Impact of hydraulic pressure and pH on organic fouling in pressure retarded osmosis (PRO) process. Desalination and Water Treatment, 2016, 57, 10121-10128.	1.0	5
706	Forward osmosis filtration for removal of organic foulants: Effects of combined tannic and alginic acids. Water Research, 2016, 91, 251-263.	11.3	18
707	Viruses at Solid–Water Interfaces: A Systematic Assessment of Interactions Driving Adsorption. Environmental Science & Technology, 2016, 50, 732-743.	10.0	199
708	Perfluorooctane sulfonate removal by nanofiltration membrane—the effect and interaction of magnesium ion / humic acid. Journal of Membrane Science, 2016, 503, 31-41.	8.2	75
709	Removal of aqueous nC60 fullerene from water by low pressure membrane filtration. Water Research, 2016, 91, 115-125.	11.3	16
710	Enhanced gypsum scaling by organic fouling layer on nanofiltration membrane: Characteristics and mechanisms. Water Research, 2016, 91, 203-213.	11.3	89
711	Treating anaerobic sequencing batch reactor effluent with electrically conducting ultrafiltration and nanofiltration membranes for fouling control. Journal of Membrane Science, 2016, 504, 104-112.	8.2	48
712	A comprehensive physico-chemical characterization of superhydrophilic loose nanofiltration membranes. Journal of Membrane Science, 2016, 501, 1-14.	8.2	93

#	Article	IF	CITATIONS
713	Effect of forward osmosis (membrane) support layer fouling by organic matter in synthetic seawater solution. Desalination and Water Treatment, 2016, 57, 24595-24605.	1.0	2
714	Application of response surface methodology to the chemical cleaning process of ultrafiltration membrane. Chinese Journal of Chemical Engineering, 2016, 24, 651-657.	3.5	28
715	New insights into the fouling mechanism of dissolved organic matter applying nanofiltration membranes with a variety of surface chemistries. Water Research, 2016, 93, 195-204.	11.3	58
716	Characteristic of single/mixed organic foulants on nanofiltration membrane and prompt fouling predictor method. Desalination and Water Treatment, 2016, 57, 24187-24199.	1.0	2
717	Environmental Applications of Interfacial Materials with Special Wettability. Environmental Science & Technology, 2016, 50, 2132-2150.	10.0	273
718	The effect of different surface conditioning layers on bacterial adhesion on reverse osmosis membranes. Desalination, 2016, 387, 1-13.	8.2	36
719	Analysis of submerged membrane for a sludge-bed anaerobic membrane bioreactor treating prehydrolysis liquor. Environmental Technology (United Kingdom), 2016, 37, 1883-1894.	2.2	3
720	Electrically conductive polymeric membranes for fouling prevention and detection: A review. Desalination, 2016, 391, 1-15.	8.2	165
721	Natural organic matter fouling behaviors on superwetting nanofiltration membranes. Water Research, 2016, 93, 121-132.	11.3	44
722	Biopolymer-induced calcium phosphate scaling in membrane-based water treatment systems: Langmuir model films studies. Colloids and Surfaces B: Biointerfaces, 2016, 143, 233-242.	5.0	12
723	Mitigated membrane fouling of anammox membrane bioreactor by microbiological immobilization. Bioresource Technology, 2016, 201, 312-318.	9.6	39
724	High-flux and fouling-resistant reverse osmosis membrane prepared with incorporating zwitterionic amine monomers via interfacial polymerization. Desalination, 2016, 381, 100-110.	8.2	89
725	Novel strategies for diagnosing the cause of short-term organic fouling in ultrafiltration. Environmental Technology (United Kingdom), 2016, 37, 1539-1549.	2.2	1
726	Improved membrane flux recovery by Fenton-type reactions. Journal of Membrane Science, 2016, 500, 255-264.	8.2	41
727	On the optimization of a flocculation process as fouling inhibiting pretreatment on an ultrafiltration membrane during olive mill effluents treatment. Desalination, 2016, 393, 151-158.	8.2	14
728	Assessment of photo-oxidative alterations to natural organic matter in water using fluorescence excitation emission matrices and liquid chromatography-organic carbon detection techniques. Analytical Methods, 2016, 8, 1415-1424.	2.7	3
729	QCM-D study of nanoparticle interactions. Advances in Colloid and Interface Science, 2016, 233, 94-114.	14.7	145
730	Treatment of an <i>in situ</i> oil sands produced water by polymeric membranes. Desalination and Water Treatment, 2016, 57, 14869-14887.	1.0	51

#	Article	IF	CITATIONS
731	Membrane fouling in osmotically driven membrane processes: A review. Journal of Membrane Science, 2016, 499, 201-233.	8.2	625
732	Individual and competitive removal of heavy metals using capacitive deionization. Journal of Hazardous Materials, 2016, 302, 323-331.	12.4	162
733	Preparation of chitosan/cellulose acetate composite nanofiltration membrane for wastewater treatment. Desalination and Water Treatment, 2016, 57, 14453-14460.	1.0	37
734	Coagulation–flocculation process for landfill leachate pretreatment and optimization with response surface methodology. Desalination and Water Treatment, 2016, 57, 14488-14495.	1.0	18
735	Characteristics of dissolved organic matters in submerged membrane bioreactor with low-concentration Cr(VI). Desalination and Water Treatment, 2016, 57, 8927-8934.	1.0	1
736	Investigating the feasibility and the optimal location of pulsed ultrasound in surface water treatment schemes. Desalination and Water Treatment, 2016, 57, 4769-4787.	1.0	4
737	Forward Osmosis Membranes for Water Reclamation. Separation and Purification Reviews, 2016, 45, 93-107.	5.5	23
738	Study on PVDF-TiO2 mixed-matrix membrane behaviour towards humic acid adsorption. Journal of Water Process Engineering, 2017, 15, 99-106.	5.6	18
739	Characterization of Two Nanofiltration Membranes for the Separation of Ions from Acid Mine Water. Mine Water and the Environment, 2017, 36, 401-408.	2.0	23
740	Forward osmosis membrane fouling and cleaning for wastewater reuse. Journal of Water Reuse and Desalination, 2017, 7, 111-120.	2.3	30
741	Surface modification of thin film composite membrane by nanoporous titanate nanoparticles for improving combined organic and inorganic antifouling properties. Materials Science and Engineering C, 2017, 75, 463-470.	7.3	44
742	Microbial electrochemical nutrient recovery in anaerobic osmotic membrane bioreactors. Water Research, 2017, 114, 181-188.	11.3	81
743	Biofouling in reverse osmosis: phenomena, monitoring, controlling and remediation. Applied Water Science, 2017, 7, 2637-2651.	5.6	101
744	Energy-water-environment nexus underpinning future desalination sustainability. Desalination, 2017, 413, 52-64.	8.2	512
745	Membrane fouling by sodium alginate in high salinity conditions to simulate biofouling during seawater desalination. Bioresource Technology, 2017, 240, 106-114.	9.6	47
746	Electrocoagulation process considerations during advanced pretreatment for brackish inland surface water desalination: Nanofilter fouling control and permeate water quality. Desalination, 2017, 410, 66-76.	8.2	23
747	Understanding the possible underlying mechanisms for low fouling tendency of the forward osmosis and pressure assisted osmosis processes. Desalination, 2017, 421, 89-98.	8.2	36
748	A facile method to quantify the carboxyl group areal density in the active layer of polyamide thin-film composite membranes. Journal of Membrane Science, 2017, 534, 100-108.	8.2	86

			2
#	ARTICLE	IF	CITATIONS
749	Fouling behavior of lysozyme on different membrane surfaces during the MD operation: An especial interest in the interaction energy evaluation. Water Research, 2017, 119, 33-46.	11.3	33
750	Reduced graphene oxide-NH2 modified low pressure nanofiltration composite hollow fiber membranes with improved water flux and antifouling capabilities. Applied Surface Science, 2017, 419, 418-428.	6.1	51
751	Simultaneous removal of humic acid and heavy metal from aqueous solutions using charged ultrafiltration membranes. Separation Science and Technology, 2017, 52, 1913-1919.	2.5	19
752	Individual and combined effects of humic acid, bicarbonate and calcium on TCE removal kinetics, aging behavior and electron efficiency of mZVI particles. Chemical Engineering Journal, 2017, 324, 324-335.	12.7	28
753	Acyl-chloride quenching following interfacial polymerization to modulate the water permeability, selectivity, and surface charge of desalination membranes. Journal of Membrane Science, 2017, 535, 357-364.	8.2	58
754	Theoretical performance prediction of a reverse osmosis desalination membrane element under variable operating conditions. Desalination, 2017, 419, 70-78.	8.2	39
755	Improved flux and anti-biofouling performances of reverse osmosis membrane via surface layer-by-layer assembly. Journal of Membrane Science, 2017, 539, 403-411.	8.2	80
756	Antifouling ceramic membrane electrode modified by Magnéli Ti 4 O 7 for electro-microfiltration of humic acid. Separation and Purification Technology, 2017, 185, 61-71.	7.9	36
757	Effect of multicomponent fouling during microfiltration of natural surface waters containing nC60 fullerene nanoparticles. Environmental Science: Water Research and Technology, 2017, 3, 744-756.	2.4	4
758	Reuse of discarded membrane distillation membranes in microfiltration technology. Journal of Membrane Science, 2017, 539, 273-283.	8.2	12
759	Evaluation of fertilizer-drawn forward osmosis for coal seam gas reverse osmosis brine treatment and sustainable agricultural reuse. Journal of Membrane Science, 2017, 537, 22-31.	8.2	54
760	Graphene oxides in water: assessing stability as a function of material and natural organic matter properties. Environmental Science: Nano, 2017, 4, 1484-1493.	4.3	65
761	Review of hydrophilic PP membrane for organic waste removal. AIP Conference Proceedings, 2017, , .	0.4	1
762	Self-Cleaning Membranes from Comb-Shaped Copolymers with Photoresponsive Side Groups. ACS Applied Materials & Interfaces, 2017, 9, 13619-13631.	8.0	44
763	Column experiments to investigate transport of colloidal humic acid through porous media during managed aquifer recharge. Hydrogeology Journal, 2017, 25, 79-89.	2.1	11
764	Peptide-based fluorescence biosensors for detection/measurement of nanoparticles. Analytical and Bioanalytical Chemistry, 2017, 409, 903-915.	3.7	4
765	Progress and perspectives for synthesis of sustainable antifouling composite membranes containing in situ generated nanoparticles. Journal of Membrane Science, 2017, 524, 502-528.	8.2	156
766	Transformation of Iodide by Carbon Nanotube Activated Peroxydisulfate and Formation of Iodoorganic Compounds in the Presence of Natural Organic Matter. Environmental Science & Technology, 2017, 51, 479-487.	10.0	80

#	Article	IF	CITATIONS
767	Evaluating the effects of sodium and magnesium on the interaction processes of humic acid and ultrafiltration membrane surfaces. Journal of Membrane Science, 2017, 526, 131-137.	8.2	29
768	Kinetics of Oxidation of Iodide (I [–]) and Hypoiodous Acid (HOI) by Peroxymonosulfate (PMS) and Formation of Iodinated Products in the PMS/I [–] /NOM System. Environmental Science and Technology Letters, 2017, 4, 76-82.	8.7	73
769	Dynamic membrane filtration using powdered iron oxide for SWRO pre-treatment during red tide event. Journal of Membrane Science, 2017, 524, 604-611.	8.2	11
770	Implications of humic acid, inorganic carbon and speciation on fluoride retention mechanisms in nanofiltration and reverse osmosis. Journal of Membrane Science, 2017, 528, 82-94.	8.2	50
771	Coagulation of surface water: Observations on the significance of biopolymers. Water Research, 2017, 126, 144-152.	11.3	66
772	Effects of tannic acid on membrane fouling and membrane cleaning in forward osmosis. Water Science and Technology, 2017, 76, 3160-3170.	2.5	8
773	Recycling of activated carbon filter backwash water using ultrafiltration: Membrane fouling caused by different dominant interfacial forces. Journal of Membrane Science, 2017, 544, 174-185.	8.2	13
774	Iron Redox Transformations in the Presence of Natural Organic Matter: Effect of Calcium. Environmental Science & Technology, 2017, 51, 10413-10422.	10.0	14
775	Influence of inorganic salt on retention of ibuprofen by nanofiltration. Separation and Purification Technology, 2017, 189, 382-388.	7.9	27
776	Biologically induced mineralization in anaerobic membrane bioreactors: Assessment of membrane scaling mechanisms in a long-term pilot study. Journal of Membrane Science, 2017, 543, 342-350.	8.2	29
777	Pretreatment and in Situ Fly Ash Systems for Improving the Performance of Sequencing Batch Reactor in Treating Thermomechanical Pulping Effluent. ACS Sustainable Chemistry and Engineering, 2017, 5, 6932-6939.	6.7	11
778	Aggregation and Fouling Impacts in Determining Organic and Clay Removal by Electropositive Filtration. Journal of Environmental Engineering, ASCE, 2017, 143, .	1.4	2
779	Minimizing Bias in Virally Seeded Water Treatment Studies: Evaluation of Optimal Bacteriophage and Mammalian Virus Preparation Methodologies. Food and Environmental Virology, 2017, 9, 473-486.	3.4	8
780	Humic acid desorption from a positively charged nanocellulose surface. Journal of Colloid and Interface Science, 2017, 504, 500-506.	9.4	17
781	Cheap non-toxic non-corrosive method of glass cleaning evaluated by contact angle, AFM, and SEM-EDX measurements. Environmental Science and Pollution Research, 2017, 24, 13373-13383.	5.3	15
782	Fouling in Membrane Bioreactors. Springer Transactions in Civil and Environmental Engineering, 2017, , 39-85.	0.4	5
783	The attachment of colloidal particles to environmentally relevant surfaces and the effect of particle shape. Chemosphere, 2017, 168, 65-79.	8.2	17
784	A PLS model for predicting rejection of trace organic compounds by nanofiltration using treated wastewater as feed. Separation and Purification Technology, 2017, 174, 212-221.	7.9	11

#	Article	IF	CITATIONS
785	Fundamentals of Membrane Bioreactors. Springer Transactions in Civil and Environmental Engineering, 2017, , .	0.4	28
786	Effect of reverse solute diffusion on scaling in forward osmosis: A new control strategy by tailoring draw solution chemistry. Desalination, 2017, 401, 230-237.	8.2	44
787	OberflÄ g henmodifizierung von Wasseraufbereitungsmembranen. Angewandte Chemie, 2017, 129, 4734-4788.	2.0	58
788	Surface Modification of Water Purification Membranes. Angewandte Chemie - International Edition, 2017, 56, 4662-4711.	13.8	564
789	Pretreatment of agriculture field water for improving membrane flux during pesticide removal. Applied Water Science, 2017, 7, 3281-3290.	5.6	7
790	Relative contributions of organic and inorganic fouling during nanofiltration of inland brackish surface water. Journal of Membrane Science, 2017, 523, 68-76.	8.2	49
791	Pre-ozonation for high recovery of nanofiltration (NF) membrane system: Membrane fouling reduction and trace organic compound attenuation. Journal of Membrane Science, 2017, 523, 255-263.	8.2	70
792	Role of calcium ions on the removal of haloacetic acids from swimming pool water by nanofiltration: mechanisms and implications. Water Research, 2017, 110, 332-341.	11.3	42
793	Novel indicators for thermodynamic prediction of interfacial interactions related with adhesive fouling in a membrane bioreactor. Journal of Colloid and Interface Science, 2017, 487, 320-329.	9.4	43
794	The effect of TiO 2 nanoparticles removal on drinking water quality produced by conventional treatment C/F/S. Water Research, 2017, 109, 1-12.	11.3	42
795	Influence of Humic Acid on the Transport and Deposition of Colloidal Silica under Different Hydrogeochemical Conditions. Water (Switzerland), 2017, 9, 10.	2.7	16
796	Fouling in Membrane Distillation, Osmotic Distillation and Osmotic Membrane Distillation. Applied Sciences (Switzerland), 2017, 7, 334.	2.5	73
797	The Performance and Fouling Control of Submerged Hollow Fiber (HF) Systems: A Review. Applied Sciences (Switzerland), 2017, 7, 765.	2.5	47
798	Short–Term Effects of Young Landfill Leachates (LFL) on Chemical and Microbiological Properties of a Mediterranean Sandy Soil. International Journal of Waste Resources, 2017, 07, .	0.2	0
799	NANOFILTRATION AND REVERSE OSMOSIS APPLIED TO GOLD MINING EFFLUENT TREATMENT AND REUSE. Brazilian Journal of Chemical Engineering, 2017, 34, 93-107.	1.3	31
800	Scientometric overview regarding water nanopurification. , 2017, , 693-716.		3
801	Fouling-resistant membranes for water reuse. Environmental Chemistry Letters, 2018, 16, 715-763.	16.2	80
802	Integrated UF–NF–RO route for gold mining effluent treatment: From bench-scale to pilot-scale. Desalination, 2018, 440, 111-121.	8.2	41

#	Article	IF	CITATIONS
803	Impact of Physical and Chemical Cleaning Agents on Specific Biofilm Components and the Implications for Membrane Biofouling Management. Industrial & Engineering Chemistry Research, 2018, 57, 3359-3370.	3.7	24
804	Effect of pre-ozonation on nanofiltration membrane fouling during water reuse applications. Separation and Purification Technology, 2018, 205, 203-211.	7.9	47
805	Investigation of UF membranes fouling and potentials as pre-treatment step in desalination and surface water applications. Desalination, 2018, 432, 115-127.	8.2	39
806	NaCl cleaning of 0.1 μm polyvinylidene ï¬,uoride (PVDF) membrane fouled with humic acid (HA). Chemical Engineering Research and Design, 2018, 132, 325-337.	5.6	10
807	Sunlight irradiation triggers changes in the fouling potentials of natural dissolved organic matter. Science of the Total Environment, 2018, 627, 227-234.	8.0	7
808	Mass transport modeling of natural organic matter (NOM) and salt during Nanofiltration of inorganic colloid-NOM mixtures. Desalination, 2018, 429, 60-69.	8.2	8
809	Oxidation of bromophenols by carbon nanotube activated peroxymonosulfate (PMS) and formation of brominated products: Comparison to peroxydisulfate (PDS). Chemical Engineering Journal, 2018, 337, 40-50.	12.7	190
810	A review of fouling indices and monitoring techniques for reverse osmosis. Desalination, 2018, 434, 169-188.	8.2	98
811	Organic fouling control through magnetic ion exchangeâ€nanofiltration (MIEXâ€NF) in water treatment. Journal of Membrane Science, 2018, 549, 474-485.	8.2	47
813	Sustainable Desalination Process and Nanotechnology. Environmental Chemistry for A Sustainable World, 2018, , 185-228.	0.5	1
814	Grafting of bioactive 2-aminoimidazole into active layer makes commercial RO/NF membranes anti-biofouling. Journal of Membrane Science, 2018, 556, 85-97.	8.2	17
815	Membrane fouling in desalination and its mitigation strategies. Desalination, 2018, 425, 130-155.	8.2	339
816	Formation of halogenated by-products during chemical cleaning of humic acid-fouled UF membrane by sodium hypochlorite solution. Chemical Engineering Journal, 2018, 332, 76-84.	12.7	34
817	Anti-organic fouling and anti-biofouling poly(piperazineamide) thin film nanocomposite membranes for low pressure removal of heavy metal ions. Journal of Hazardous Materials, 2018, 343, 86-97.	12.4	90
818	A novel catalytic ceramic membrane fabricated with CuMn2O4 particles for emerging UV absorbers degradation from aqueous and membrane fouling elimination. Journal of Hazardous Materials, 2018, 344, 1229-1239.	12.4	56
819	Upgrading groundwater for irrigation using monovalent selective electrodialysis. Desalination, 2018, 431, 126-139.	8.2	58
820	Removal of contaminants of emerging concern by membranes in water and wastewater: A review. Chemical Engineering Journal, 2018, 335, 896-914.	12.7	461
821	Predicting of ultrafiltration performances by advanced data analysis. Water Research, 2018, 129, 365-374.	11.3	15

#	Article	IF	CITATIONS
822	Factors affecting the separation performance of graphene oxide membranes: mechanical support, properties of graphene oxide, and exotic species. Journal of Chemical Technology and Biotechnology, 2018, 93, 1388-1393.	3.2	5
823	Forward Osmosis as a Pre-Treatment Step for Seawater Dilution and Wastewater Reclamation. , 2018, ,		0
824	Influence of Organic Ligands on the Colloidal Stability and Removal of ZnO Nanoparticles from Synthetic Waters by Coagulation. Processes, 2018, 6, 170.	2.8	22
825	Nanofiltration for the Treatment of Oil Sands-Produced Water. , 0, , .		2
826	Electric Field-Responsive Membranes. Interface Science and Technology, 2018, , 173-191.	3.3	7
827	CHEMICAL CLEANING OF MICROFILTRATION CERAMIC MEMBRANE FOULED BY NOM. Jurnal Teknologi (Sciences and Engineering), 2018, 80, .	0.4	2
828	Theoretical and experimental study of organic fouling of loose nanofiltration membrane. Journal of the Taiwan Institute of Chemical Engineers, 2018, 93, 509-518.	5.3	28
829	Performance of thin-film composite hollow fiber nanofiltration for the removal of dissolved Mn, Fe and NOM from domestic groundwater supplies. Water Research, 2018, 145, 408-417.	11.3	32
830	Effects of physical and chemical aspects on membrane fouling and cleaning using interfacial free energy analysis in forward osmosis. Environmental Science and Pollution Research, 2018, 25, 21555-21567.	5.3	10
831	Antifouling properties of two-dimensional molybdenum disulfide and graphene oxide. Environmental Science: Nano, 2018, 5, 1628-1639.	4.3	18
832	The use of combined treatments for reducing parabens in surface waters: Ion-exchange resin and nanofiltration. Science of the Total Environment, 2018, 639, 228-236.	8.0	24
833	The structural and dynamical role of water in natural organic matter: A 2H NMR and XRD study. Organic Geochemistry, 2018, 123, 90-102.	1.8	3
834	Evaluation of fouling in nanofiltration for desalination using a resistance-in-series model and optical coherence tomography. Science of the Total Environment, 2018, 642, 349-355.	8.0	34
835	Cleaning efficiency of the fouled forward osmosis membranes under different experimental conditions. Journal of Environmental Chemical Engineering, 2018, 6, 4555-4563.	6.7	29
836	Mechanism of humic acid fouling in a photocatalytic membrane system. Journal of Membrane Science, 2018, 563, 531-540.	8.2	46
837	Nanoparticles capture on cellulose nanofiber depth filters. Carbohydrate Polymers, 2018, 201, 482-489.	10.2	14
838	Treatment of coastal well water using ultrafiltration-nanofiltration-reverse osmosis to produce isotonic solutions and drinking water: Fouling behavior and energy efficiency. Journal of Cleaner Production, 2018, 200, 1053-1064.	9.3	23
839	Treatment of industrial wastewater produced by desulfurization process in a coal-fired power plant via FO-MD hybrid process. Chemosphere, 2018, 210, 44-51.	8.2	75

.,		IF.	Circumona
#	ARTICLE	IF	CITATIONS
840	Investigation on suppression of fouling by magnetically responsive nanofiltration membranes. Separation and Purification Technology, 2018, 205, 94-104.	7.9	26
841	MS2 bacteriophage inactivation using a N-doped TiO2-coated photocatalytic membrane reactor: Influence of water-quality parameters. Chemical Engineering Journal, 2018, 354, 995-1006.	12.7	42
842	Effect of iodide on transformation of phenolic compounds by nonradical activation of peroxydisulfate in the presence of carbon nanotube: Kinetics, impacting factors, and formation of iodinated aromatic products. Chemosphere, 2018, 208, 559-568.	8.2	22
843	Thin film nanocomposite nanofiltration membranes from amine functionalized-boron nitride/polypiperazine amide with enhanced flux and fouling resistance. Journal of Materials Chemistry A, 2018, 6, 12066-12081.	10.3	122
844	Bacterial-Mediated Biofouling: Fundamentals and Control Techniques. , 2018, , 263-284.		2
845	Electrically Poreâ€Sizeâ€Tunable Polypyrrole Membrane for Antifouling and Selective Separation. Advanced Functional Materials, 2019, 29, 1903081.	14.9	45
846	Hybrid Hollow Fiber Nanofiltration–Calcite Contactor: A Novel Point-of-Entry Treatment for Removal of Dissolved Mn, Fe, NOM and Hardness from Domestic Groundwater Supplies. Membranes, 2019, 9, 90.	3.0	4
847	Evaluation of a nanoporous lyotropic liquid crystal polymer membrane for the treatment of hydraulic fracturing produced water via cross-flow filtration. Journal of Membrane Science, 2019, 592, 117313.	8.2	19
848	The dispersion, stability, and resuspension of C60 in environmental water matrices. Environmental Science and Pollution Research, 2019, 26, 25538-25549.	5.3	2
849	Bioenergy, ammonia and humic substances recovery from municipal solid waste leachate: A review and process integration. Bioresource Technology, 2019, 293, 122159.	9.6	53
850	Towards a Sustainable Water Supply: Humic Acid Removal Employing Coagulation and Tangential Cross Flow Microfiltration. Water (Switzerland), 2019, 11, 2093.	2.7	4
851	Defining the effect of the chemical concentration and solution pH on membrane chemical cleaning process. E3S Web of Conferences, 2019, 109, 00061.	0.5	1
852	Development of methods for extraction and analytical characterization of carbon-based nanomaterials (nanoplastics and carbon nanotubes) in biological and environmental matrices by asymmetrical flow field-flow fractionation. Environmental Pollution, 2019, 255, 113304.	7.5	30
853	Impacts of mono/divalent cations on the lamellar structure of cross-linked GO layers and membrane filtration performance for different DOM fractions. Chemosphere, 2019, 237, 124544.	8.2	11
854	Seawater pretreatment with an NF-like forward osmotic membrane: Membrane preparation, characterization and performance comparison with RO-like membranes. Desalination, 2019, 470, 114115.	8.2	18
855	The comparative evaluation of humic acid determining methods in humic-based commercial fertilizers. Archives of Agronomy and Soil Science, 2019, 65, 1720-1732.	2.6	7
856	Charge Separating Microfiltration Membrane with pH-Dependent Selectivity. Polymers, 2019, 11, 3.	4.5	21
857	Bioactive ultrafiltration membrane manufactured from Aspergillus carbonarius M333 filamentous fungi for treatment of real textile wastewater. Bioresource Technology Reports, 2019, 5, 212-219.	2.7	27

#	Article	IF	CITATIONS
858	3-[[3-(Triethoxysilyl)-propyl] amino] propane-1-sulfonic acid zwitterion grafted polyvinylidene fluoride antifouling membranes for concentrating greywater in direct contact membrane distillation. Desalination, 2019, 455, 71-78.	8.2	24
859	Interaction of Arsenic Species with Organic Ligands: Competitive Removal from Water by Coagulation-Flocculation-Sedimentation (C/F/S). Molecules, 2019, 24, 1619.	3.8	13
860	Heat-treated optimized polysulfone electrospun nanofibrous membranes for high performance wastewater microfiltration. Separation and Purification Technology, 2019, 226, 323-336.	7.9	34
861	Natural organic matter-cations complexation and its impact on water treatment: A critical review. Water Research, 2019, 160, 130-147.	11.3	195
862	Ozonation as an efficient pretreatment method to alleviate reverse osmosis membrane fouling caused by complexes of humic acid and calcium ion. Frontiers of Environmental Science and Engineering, 2019, 13, 1.	6.0	51
863	Aquatic behavior and toxicity of polystyrene nanoplastic particles with different functional groups: Complex roles of pH, dissolved organic carbon and divalent cations. Chemosphere, 2019, 228, 195-203.	8.2	91
864	Application of peroxymonosulfate-based advanced oxidation process as a novel pretreatment for nanofiltration: Comparison with conventional coagulation. Separation and Purification Technology, 2019, 224, 255-264.	7.9	29
865	Co-Deposition of Stimuli-Responsive Microgels with Foulants During Ultrafiltration as a Fouling Removal Strategy. ACS Applied Materials & Interfaces, 2019, 11, 18711-18719.	8.0	11
867	An in-situ technique for the direct structural characterization of biofouling in membrane filtration. Journal of Membrane Science, 2019, 583, 81-92.	8.2	26
868	Nanofiltration separation of succinic acid from post-fermentation broth: Impact of process conditions and fouling analysis. Journal of Industrial and Engineering Chemistry, 2019, 77, 253-261.	5.8	23
869	Two-stage integrated system photo-electro-Fenton and biological oxidation process assessment of sanitary landfill leachate treatment: An intermediate products study. Chemical Engineering Journal, 2019, 372, 471-482.	12.7	47
870	Construction of nonfouling nanofiltration membrane via introducing uniformly tunable zwitterionic layer. Journal of Membrane Science, 2019, 583, 152-162.	8.2	68
871	Electro-membrane processes for organic acid recovery. RSC Advances, 2019, 9, 7854-7869.	3.6	93
872	Effects of interactions between humic acid and heavy metal ions on the aggregation of TiO2 nanoparticles in water environment. Environmental Pollution, 2019, 248, 834-844.	7.5	39
873	Complexation of Antimony with Natural Organic Matter: Performance Evaluation during Coagulation-Flocculation Process. International Journal of Environmental Research and Public Health, 2019, 16, 1092.	2.6	24
874	Mitigation of organic fouling on ceramic membranes by selective removal of microbial-oriented organic matters in wastewater effluents. Separation and Purification Technology, 2019, 219, 216-221.	7.9	13
875	Application of aquaporin-based forward osmosis membranes for processing of digestate liquid fractions. Chemical Engineering Journal, 2019, 371, 583-592.	12.7	31
876	Feasibility and Practicability of Magnetophoreticâ€Augmented Composite Membrane in Treating Polluted River Water: Real Case Application. Environmental Progress and Sustainable Energy, 2019, 38, 13185.	2.3	5

	CITATION	Report	
#	Article	IF	CITATIONS
877	Fate of steroid hormone micropollutant estradiol in a hybrid magnetic ion exchange resin-nanofiltration process. Environmental Chemistry, 2019, 16, 630.	1.5	5
878	pHâ€dependent property of carboxylâ€based ultrafiltration membranes fabricated from poly(vinyl) Tj ETQq1	1 0.784314 r 2.6	gBŢ /Overloc
879	Degradation of iopamidol by three UV-based oxidation processes: Kinetics, pathways, and formation of iodinated disinfection byproducts. Chemosphere, 2019, 221, 270-277.	8.2	55
880	NOM fouling resistance in response to electric field during electro-ultrafiltration: Significance of molecular polarity and weight. Journal of Colloid and Interface Science, 2019, 539, 11-18.	9.4	22
881	A novel gold nanocomposite membrane with enhanced permeation, rejection and self-cleaning ability. Journal of Membrane Science, 2019, 573, 309-319.	8.2	47
882	Laser induced fluorescence (LIF) technique visualizes and characterizes concentration polarization and fouling layer in the cross-flow nanofiltration. Separation and Purification Technology, 2019, 212, 520-527.	7.9	6
883	Volatile fatty acids and biogas recovery using thermophilic anaerobic membrane distillation bioreactor for wastewater reclamation. Journal of Environmental Management, 2019, 231, 833-842.	7.8	39
885	Combination of physical-chemical methods and ozonation. , 2019, , 199-246.		1
886	Precipitation of calcium sulfate dihydrate in the presence of fulvic acid and magnesium ion. Chemical Engineering Journal, 2019, 361, 1078-1088.	12.7	30
887	Effect of UV/TiO2 pretreatment on fouling alleviation and mechanisms of fouling development in a cross-flow filtration process using a ceramic UF membrane. Chemical Engineering Journal, 2019, 358, 1583-1593.	12.7	47
888	RO Membrane Fouling. , 2019, , 189-220.		13
889	Removal of fluoride and natural organic matter from natural tropical brackish waters by nanofiltration/reverse osmosis with varying water chemistry. Chemosphere, 2019, 217, 47-58.	8.2	57
890	Thin film composite membranes consisting of hyperbranched polyethylenimine (HPEI)-cysteamine layer for cadmium removal in water. Journal of Water Process Engineering, 2019, 30, 100686.	5.6	15
891	Quantifying hydrophobicity of natural organic matter using partition coefficients in aqueous two-phase systems. Chemosphere, 2019, 218, 922-929.	8.2	22
892	Bioinspired membranes for multi-phase liquid and molecule separation. Science China Chemistry, 2019, 62, 14-23.	8.2	25
893	Low operating pressure nanofiltration membrane with functionalized natural nanoclay as antifouling and flux promoting agent. Chemical Engineering Journal, 2019, 358, 821-830.	12.7	43
894	An integrated coagulation-ultrafiltration-nanofiltration process for internal reuse of shale gas flowback and produced water. Separation and Purification Technology, 2019, 211, 310-321.	7.9	98
895	Synthesis, characterization and electrochemical properties of cation selective ion exchange composite membranes. Arabian Journal of Chemistry, 2019, 12, 580-587.	4.9	1

#	Article	IF	CITATIONS
896	Insight into the distribution of metallic elements in membrane bioreactor: Influence of operational temperature and role of extracellular polymeric substances. Journal of Environmental Sciences, 2019, 76, 111-120.	6.1	9
897	Anammox-based processes: How far have we come and what work remains? A review by bibliometric analysis. Chemosphere, 2020, 238, 124627.	8.2	79
898	Cellulose nanocrystal-blended polyethersulfone membranes for enhanced removal of natural organic matter and alleviation of membrane fouling. Chemical Engineering Journal, 2020, 382, 122919.	12.7	78
899	Fluorescence characterization of organic matter and fouling: Case study in a fullâ€scale reverse osmosis membrane treatment plant. Water Environment Research, 2020, 92, 161-172.	2.7	3
900	The roles of particles in enhancing membrane filtration: A review. Journal of Membrane Science, 2020, 595, 117570.	8.2	55
901	Selected advanced water treatment technologies for perfluoroalkyl and polyfluoroalkyl substances: A review. Separation and Purification Technology, 2020, 231, 115929.	7.9	76
902	Factors affecting the removal of bromate and bromide in water by nanofiltration. Environmental Science and Pollution Research, 2020, 27, 24639-24649.	5.3	19
903	Tracking metal ion-induced organic membrane fouling in nanofiltration by adopting spectroscopic methods: Observations and predictions. Science of the Total Environment, 2020, 708, 135051.	8.0	9
904	A fluorescence-based indicator for nanofiltration fouling propensity caused by effluent organic matter (EfOM). Process Biochemistry, 2020, 91, 260-270.	3.7	1
905	A combined first principles and classical molecular dynamics study of clay-soil organic matters (SOMs) interactions. Geochimica Et Cosmochimica Acta, 2020, 291, 110-125.	3.9	28
906	Construction of a stable zwitterionic layer on negatively-charged membrane via surface adsorption and cross-linking. Journal of Membrane Science, 2020, 597, 117766.	8.2	16
907	Reverse osmosis membrane autopsy in coal chemical wastewater treatment: Evidences of spatially heterogeneous fouling and organic-inorganic synergistic effect. Journal of Cleaner Production, 2020, 246, 118964.	9.3	46
908	Real-time monitoring the spatial distribution of organic fouling using fluorescence imaging technique. Journal of Membrane Science, 2020, 597, 117778.	8.2	12
909	Evaluation of different cleaning strategies for different types of forward osmosis membrane fouling and scaling. Journal of Membrane Science, 2020, 596, 117731.	8.2	75
910	Experimental and statistical investigation on fabrication and performance evaluation of structurally tailored PAN nanofiltration membranes for produced water treatment. Chemical Engineering and Processing: Process Intensification, 2020, 147, 107766.	3.6	23
911	Development of underwater superoleophobic polyamide-imide (PAI) microfiltration membranes for oil/water emulsion separation. Separation and Purification Technology, 2020, 238, 116451.	7.9	53
912	Influence of organic fouling layer characteristics and osmotic backwashing conditions on cleaning efficiency of RO membranes. Journal of Membrane Science, 2020, 616, 118604.	8.2	24
913	Molecular Dynamics Simulation of the Interaction between Common Metal Ions and Humic Acids. Water (Switzerland), 2020, 12, 3200.	2.7	10

#	Article	IF	CITATIONS
914	Graphene Oxide Nanoribbon Hydrogel: Viscoelastic Behavior and Use as a Molecular Separation Membrane. ACS Nano, 2020, 14, 12195-12202.	14.6	41
915	Stochastic Collision–Attachment-Based Monte Carlo Simulation of Colloidal Fouling: Transition from Foulant–Clean-Membrane Interaction to Foulant–Fouled-Membrane Interaction. Environmental Science & Technology, 2020, 54, 12703-12712.	10.0	19
916	Enhancement of the Fouling Resistance of Zwitterion Coated Ceramic Membranes. Membranes, 2020, 10, 210.	3.0	4
917	Interplay of the Factors Affecting Water Flux and Salt Rejection in Membrane Distillation: A State-of-the-Art Critical Review. Water (Switzerland), 2020, 12, 2841.	2.7	38
918	An Improved Configuration of Vertical-Flow Mesh Tube Filters for Seawater Pretreatment: Performance, Cleaning, and Energy Consumption. Water (Switzerland), 2020, 12, 2804.	2.7	4
919	Tuning the surface properties of Fe3O4 by zwitterionic sulfobetaine: application to antifouling and dye removal membrane. International Journal of Environmental Science and Technology, 2020, 17, 4047-4060.	3.5	12
920	Restraint of enzymolysis and photolysis of organic phosphorus and pyrophosphate using synthetic zeolite with humic acid and lanthanum. Chemical Engineering Journal, 2020, 386, 123791.	12.7	8
921	Separating NOM from salts in ion exchange brine with ceramic nanofiltration. Water Research, 2020, 179, 115894.	11.3	21
922	Separation characteristics of cations and natural organic matter in electrodialysis. Separation and Purification Technology, 2020, 250, 117070.	7.9	12
923	Efficient removal of perfluorooctane sulphonate by nanofiltration: Insights into the effect and mechanism of coexisting inorganic ions and humic acid. Journal of Membrane Science, 2020, 610, 118176.	8.2	20
924	Magnetic field assisted arrangement of photocatalytic TiO2 particles on membrane surface to enhance membrane antifouling performance for water treatment. Journal of Colloid and Interface Science, 2020, 570, 273-285.	9.4	105
925	Study of Humic Acid Adsorption Character on Natural Maifan Stone: Characterization, Kinetics, Adsorption Isotherm, and Thermodynamics. ACS Omega, 2020, 5, 7683-7692.	3.5	12
926	Design of an integrated membrane bioreactor process for effective and environmentally safe treatment of highly complex coffee industrial effluent. Journal of Water Process Engineering, 2020, 37, 101436.	5.6	9
927	Reduction of Biofouling of a Microfiltration Membrane Using Amide Functionalities—Hydrophilization without Changes in Morphology. Polymers, 2020, 12, 1379.	4.5	5
928	The degradation of chloramphenicol by O3/PMS and the impact of O3-based AOPs pre-oxidation on dichloroacetamide generation in post-chlorination. Chemical Engineering Journal, 2020, 401, 126146.	12.7	52
929	Application of electrodialysis pretreatment to enhance boron removal and reduce fouling during desalination by nanofiltration/reverse osmosis. Desalination, 2020, 491, 114563.	8.2	32
930	Membrane-based downhole oil–water separation (DOWS) technology: an alternative to hydrocyclone-based DOWS. Journal of Petroleum Exploration and Production, 2020, 10, 2079-2088.	2.4	18
931	One-Step Electrochemically Prepared Graphene/Polyaniline Conductive Filter Membrane for Permeation Enhancement by Fouling Mitigation. Langmuir, 2020, 36, 2209-2222.	3.5	16

#	Article	IF	CITATIONS
932	High-performance nanofiltration membrane structured with enhanced stripe nano-morphology. Journal of Membrane Science, 2020, 600, 117852.	8.2	57
933	Generation and properties of aqu/nC60: the combined effects of humic acid, sunlight, and agitation intensity. Environmental Science and Pollution Research, 2020, 27, 12527-12538.	5.3	0
934	NOM mitigates the phytotoxicity of AgNPs by regulating rice physiology, root cell wall components and root morphology. Environmental Pollution, 2020, 260, 113942.	7.5	15
935	Optimization of two-stage seawater reverse osmosis membrane processes with practical design aspects for improving energy efficiency. Journal of Membrane Science, 2020, 601, 117889.	8.2	24
936	Impact of origin and structure on the aggregation behavior of natural organic matter. Chemosphere, 2020, 248, 125990.	8.2	12
937	Natural organic matter removal and fouling resistance properties of a boron nitride nanosheet-functionalized thin film nanocomposite membrane and its impact on permeate chlorine demand. Journal of Water Process Engineering, 2020, 34, 101160.	5.6	27
938	Techniques for understanding mechanisms underlying membrane fouling. , 2020, , 81-102.		1
939	Insight into organic fouling behavior in polyamide thin-film composite forward osmosis membrane: Critical flux and its impact on the economics of water reclamation. Journal of Membrane Science, 2020, 606, 118118.	8.2	26
940	Pretreatment for water reuse using fluidized bed crystallization. Journal of Water Process Engineering, 2020, 35, 101226.	5.6	11
941	Water Treatment: Are Membranes the Panacea?. Annual Review of Chemical and Biomolecular Engineering, 2020, 11, 559-585.	6.8	57
942	Influences and impacts of biofouling in SWRO desalination plants. Critical Reviews in Environmental Science and Technology, 2021, 51, 1281-1301.	12.8	7
943	Forward Osmosis Process: State-Of-The-Art of Membranes. Separation and Purification Reviews, 2021, 50, 53-73.	5.5	17
944	Influence of natural organic matter on membrane capacitive deionization performance. Chemosphere, 2021, 264, 128519.	8.2	20
945	A review of advances in EDCs and PhACs removal by nanofiltration: Mechanisms, impact factors and the influence of organic matter. Chemical Engineering Journal, 2021, 406, 126722.	12.7	98
946	Fouling control in reverse osmosis for water desalination & reuse: Current practices & emerging environment-friendly technologies. Science of the Total Environment, 2021, 765, 142721.	8.0	96
947	3D printed honeycomb-shaped feed channel spacer for membrane fouling mitigation in nanofiltration. Journal of Membrane Science, 2021, 620, 118665.	8.2	38
948	Synergistic inhibition effect and mechanism of polycation and polyanion on colloidal silica. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125701.	4.7	9
949	Analysis of microstructural properties of ultrafiltration cake layer during its early stage formation and growth. Journal of Membrane Science, 2021, 620, 118903.	8.2	6

#	Article	IF	CITATIONS
950	Sulfite enhanced transformation of iopamidol by UV photolysis in the presence of oxygen: Role of oxysulfur radicals. Water Research, 2021, 189, 116625.	11.3	34
951	The molecular structures of polysaccharides affect their reverse osmosis membrane fouling behaviors. Journal of Membrane Science, 2021, 625, 118984.	8.2	41
952	Effect of boron-doped diamond anode electrode pretreatment on UF membrane fouling mitigation in a cross-flow filtration process. Separation and Purification Technology, 2021, 259, 118110.	7.9	14
953	Groundwater Remediation of Volatile Organic Compounds Using Nanofiltration and Reverse Osmosis Membranes—A Field Study. Membranes, 2021, 11, 61.	3.0	10
954	Recent Advances in the Rejection of Endocrine-Disrupting Compounds from Water Using Membrane and Membrane Bioreactor Technologies: A Review. Polymers, 2021, 13, 392.	4.5	38
955	Recent developments in forward osmosis and its implication in expanding applications. , 2021, , 149-186.		1
956	Industrial Cooling Systems and Antibiofouling Strategies: A Comprehensive Review. Industrial & Engineering Chemistry Research, 2021, 60, 3278-3294.	3.7	6
957	Katalitik Ozonlanmanın Doğal Organik Maddenin Yapısına ve Trihalometan Oluşturma Potansiyeline Etkisi. European Journal of Science and Technology, 0, , .	0.5	1
958	Natural organic matter separation by forward osmosis: Performance and mechanisms. Water Research, 2021, 191, 116829.	11.3	13
959	Treatment of Manure and Digestate Liquid Fractions Using Membranes: Opportunities and Challenges. International Journal of Environmental Research and Public Health, 2021, 18, 3107.	2.6	22
960	Effects of –COOH and –NH2 on adsorptive polysaccharide fouling under varying pH conditions: Contributing factors and underlying mechanisms. Journal of Membrane Science, 2021, 621, 118933.	8.2	17
961	Study of Turbulence Promoters in Prolonging Membrane Life. Membranes, 2021, 11, 268.	3.0	8
962	Modelling the critical roles of zeta potential and contact angle on colloidal fouling with a coupled XDLVO - collision attachment approach. Journal of Membrane Science, 2021, 623, 119048.	8.2	39
963	Recent Developments in Detoxification of Organic Pollutants Using CdS-based Nanocomposites. Nano Biomedicine and Engineering, 2021, 13, .	0.9	1
964	Treatment of complex multi-sourced industrial wastewater — New opportunities for nanofiltration membranes. Chemical Engineering Research and Design, 2021, 168, 499-509.	5.6	9
965	Evaluating the impact of pretreatment processes on fouling of reverse osmosis membrane by secondary wastewater. Journal of Membrane Science, 2021, 623, 119054.	8.2	34
966	Virus pHâ€Dependent Interactions with Cationically Modified Cellulose and Their Application in Water Filtration. Small, 2021, 17, e2100307.	10.0	11
967	Deep learning model for simulating influence of natural organic matter in nanofiltration. Water Research, 2021, 197, 117070.	11.3	28

#	Article	IF	CITATIONS
968	Treatment of young and stabilized landfill leachate by integrated sequencing batch reactor (SBR) and reverse osmosis (RO) process. Environmental Nanotechnology, Monitoring and Management, 2021, 16, 100502.	2.9	14
969	Ultrafiltration for recovery of rice protein: Fouling analysis and technical assessment. Innovative Food Science and Emerging Technologies, 2021, 70, 102692.	5.6	11
971	Chemical Enhanced Backwashing for Controlling Organic Fouling in Drinking Water Treatment Using a Novel Hollow-Fiber Polyacrylonitrile Nanofiltration Membrane. Applied Sciences (Switzerland), 2021, 11, 6764.	2.5	10
972	Evaluating an on-line cleaning agent for mitigating organic fouling in a reverse osmosis membrane. Chemosphere, 2021, 275, 130033.	8.2	4
973	Pyrite (FeS2)-supported ultrafiltration system for removal of mercury (II) from water. Emergent Materials, 2021, 4, 1441-1453.	5.7	3
974	Effect of minimal pre-treatment on reverse osmosis using surface water as a source. Desalination, 2021, 509, 115056.	8.2	24
975	Performance of a Hybrid ED–NF Membrane System for Water Recovery Improvement via NOM Fouling Control. ACS ES&T Engineering, 2021, 1, 1420-1431.	7.6	9
976	Alternating current-enhanced carbon nanotubes hollow fiber membranes for membrane fouling control in novel membrane bioreactors. Chemosphere, 2021, 277, 130240.	8.2	12
977	Application of hydrophilic modified nylon fabric membrane in an anammox-membrane bioreactor: performance and fouling characteristics. Environmental Science and Pollution Research, 2022, 29, 5330-5344.	5.3	2
978	Progress in Research and Application of Nanofiltration (NF) Technology for Brackish Water Treatment. Membranes, 2021, 11, 662.	3.0	27
979	An integrated process of calcium hydroxide precipitation and air stripping for pretreatment of flue gas desulfurization wastewater towards zero liquid discharge. Journal of Cleaner Production, 2021, 314, 128077.	9.3	13
980	Particleâ€Specific Toxicity of Copper Nanoparticles to Soybean (<i>Clycine max</i> L.): Effects of Nanoparticle Concentration and Natural Organic Matter. Environmental Toxicology and Chemistry, 2021, 40, 2825-2835.	4.3	3
981	Preparation and characterization of high permeance functionalized nanofiltration membranes with antifouling properties by using diazotization route and potential application for licorice wastewater treatment. Separation and Purification Technology, 2021, , 119639.	7.9	3
982	The surface modification of ultrafiltration membrane with silver nanoparticles using Verbascum thapsus leaf extract using green synthesis phenomena. Surfaces and Interfaces, 2021, 26, 101291.	3.0	13
983	Fouling mitigation strategies for different foulants in membrane distillation. Chemical Engineering and Processing: Process Intensification, 2021, 167, 108517.	3.6	74
984	Colloidal interactions between model foulants and engineered surfaces: Interplay between roughness and surface energy. Chemical Engineering Journal Advances, 2021, 8, 100138.	5.2	18
985	Fe(II)-activated peroxymonosulfate coupled with nanofiltration removes natural organic matter and sulfamethoxazole in natural surface water: Performance and mechanisms. Separation and Purification Technology, 2021, 274, 119088.	7.9	26
986	Dissect the role of particle size through collision-attachment simulations for colloidal fouling of RO/NF membranes. Journal of Membrane Science, 2021, 638, 119679.	8.2	13

#	Article	IF	CITATIONS
987	Facile preparation of antifouling nanofiltration membrane by grafting zwitterions for reuse of shale gas wastewater. Separation and Purification Technology, 2021, 276, 119310.	7.9	24
988	Evaluation of applying membrane distillation for landfill leachate treatment. Desalination, 2021, 520, 115358.	8.2	33
989	Novel highly stable Guanazole-incorporated ultrathin loose nanofiltration membrane with superior permeability for water desalination and purification. Desalination, 2021, 520, 115335.	8.2	30
990	Interdependence of Contributing Factors Governing Dead-End Fouling of Nanofiltration Membranes. Membranes, 2021, 11, 47.	3.0	9
991	Recent development in nanofiltration process applications. , 2021, , 97-129.		3
992	Synthesis, fabrication, and mechanism of action of electrically conductive membranes: a review. Environmental Science: Water Research and Technology, 2021, 7, 671-705.	2.4	32
993	Effect of applied voltage on membrane fouling in the amplifying anaerobic electrochemical membrane bioreactor for long-term operation. RSC Advances, 2021, 11, 31364-31372.	3.6	3
994	Development of novel polyether sulfone mixed matrix membranes to enhance antifouling and sustainability: Treatment of oil sands produced water (OSPW). Journal of the Taiwan Institute of Chemical Engineers, 2021, 118, 215-222.	5.3	11
996	Sustainable Water Treatment Using Nanofiltration and Tight Ultrafiltration Membranes. , 2012, , 10530-10542.		1
997	Sustainable Water Treatment Using Nanofiltration and Tight Ultrafiltration Membranes. , 2013, , 1-14.		1
998	Membrane Filtration. , 2006, , 203-259.		13
999	Operation setup of a nanofiltration membrane unit for purification of two-phase olives and olive oil washing wastewaters. Science of the Total Environment, 2018, 612, 758-766.	8.0	13
1000	Nanofiltration of sweet whey by spiral wound organic membranes: Impact of hydrodynamics. Dairy Science and Technology, 2000, 80, 155-163.	0.9	25
1001	New Developments in Nanofiltration Technology. , 2008, , 1101-1129.		1
1002	Progresses in membrane and advanced oxidation processes for water treatment. Membrane Water Treatment, 2012, 3, 181-200.	0.5	7
1003	Chemical cleaning of fouled polyethersulphone membranes during ultrafiltration of palm oil mill effluent. Membrane Water Treatment, 2014, 5, 207-219.	0.5	10
1004	Experimental evaluations of a pilot nanofiltration system with respect to NOM and BOM removals and stable permeability with appropriate pre-treatments: a case study in Korea. Journal of Water Supply: Research and Technology - AQUA, 2004, 53, 169-181.	1.4	7
1005	ADSORPTION OF NATURAL ORGANIC MATTER (NOM) IN PEAT WATER BY LOCAL INDONESIA TROPICAL CLAY SOILS. International Journal of GEOMATE, 2017, 13, .	0.3	8

#	Article	IF	Citations
1006	Direct Osmosis for Reverse Osmosis Fouling Control: Principles, Applications and Recent Developments. Open Chemical Engineering Journal, 2009, 3, 8-16.	0.5	44
1007	The Effects of Humic Acid Fouling on the Performane of Polyamide Composite Reverse Osmosis Membranes. Journal of MMIJ, 2016, 132, 123-128.	0.3	2
1008	Recent Progress in One- and Two-Dimensional Nanomaterial-Based Electro-Responsive Membranes: Versatile and Smart Applications from Fouling Mitigation to Tuning Mass Transport. Membranes, 2021, 11, 5.	3.0	9
1009	Investigation of Anti-fouling and UV-Cleaning Properties of PVDF/TiO2 Mixed-Matrix Membrane for Humic Acid Removal. Membranes, 2021, 11, 16.	3.0	21
1010	Organic Fouling in Forward Osmosis: A Comprehensive Review. Water (Switzerland), 2020, 12, 1505.	2.7	33
1011	Evaluation of influence of coagulation/flocculation and Fenton oxidation with iron on landfill leachate treatment. Environmental Protection Engineering, 2019, 45, .	0.1	3
1012	Application and Challenges of Membrane in Surface Water Treatment. Journal of Applied Sciences, 2010, 10, 380-390.	0.3	28
1013	Removal of Emerging Contaminants from Water and Wastewater Using Nanofiltration Technology. Advances in Environmental Engineering and Green Technologies Book Series, 0, , 72-91.	0.4	1
1014	Variaveis no processo de coagulação /floculacao/decantacao de lixiviados de aterros sanitarios urbanos. Revista Ambiente & Água, 2012, 7, 88-100.	0.3	2
1015	Study on Removal Efficiency of Natural Organic Matter and Lead Metal Solution Using Nanofiltration Membrane. Journal of Chromatography & Separation Techniques, 2012, 03, .	0.2	1
1016	Optimization of chemical cleaning for reverse osmosis membranes with organic fouling using statistical design tools. Environmental Engineering Research, 2018, 23, 474-484.	2.5	12
1017	A new approach for detoxification of landfill leachate using Trametes trogii. Environmental Engineering Research, 2019, 24, 144-149.	2.5	9
1018	An innovative treatment concept for future drinking water production: fluidized ion exchange – ultrafiltration – nanofiltration – granular activated carbon filtration. Drinking Water Engineering and Science, 2009, 2, 41-47.	0.8	5
1019	Nanofiltration for water and wastewater treatment – a mini review. Drinking Water Engineering and Science, 2013, 6, 47-53.	0.8	145
1022	Studies on the Fouling Reduction by Coating of Cationic Exchange Polymer onto Reverse Osmosis Membrane Surfaces. Porrime, 2012, 36, 810-815.	0.2	2
1023	High-Throughput Method for Natural Organic Matter Hydrophobicity Assessment Using an Ionic Liquid-Based Aqueous Two-Phase System. Environmental Science & Technology, 2021, 55, 13953-13960.	10.0	4
1024	Interaction between humic acid and silica in reverse osmosis membrane fouling process: A spectroscopic and molecular dynamics insight. Water Research, 2021, 206, 117773.	11.3	45
1027	Ultrafiltration und Mikrofiltration. , 2004, , 301-357.		О

#	Article	IF	CITATIONS
1028	Evaluating Membrane Options for Aquifer Recharge in Southeast Florida. IDA Journal of Desalination and Water Reuse, 2011, 3, 46-57.	0.4	1
1029	Development of Antifouling Properties and Performance of Nanofiltration Membranes by Interfacial Polymerization and Photografting Techniques. , 2012, , 119-158.		0
1030	Reduction of Membrane Fouling by Polymer Surface Modification. , 2012, , 41-76.		6
1031	Effects of Property Changes of Natural Organic Matter via Photooxidation on RO Membrane Fouling Reduction. , 2012, , 581-602.		0
1032	Ruolo del packaging nel controllo delle alterazioni microbiche degli alimenti. Food, 2013, , 185-211.	0.0	0
1033	Nanofiltration Membranes. , 2014, , 1-9.		1
1034	Removal Characteristics of Organic Matters in Pretreatment and Reverse Osmosis Membrane Processes for Seawater Desalination. Daehan Hwan'gyeong Gonghag Hoeji, 2014, 36, 492-497.	1.1	4
1035	Effect of Hydraulic Pressure on Organic Fouling in Pressure Retarded Osmosis (PRO) Process. Journal of the Korean Society of Water and Wastewater, 2015, 29, 133-138.	0.3	1
1036	Application of Nanotechnology, Nanofiltration and the Future Vision of Environmental Engineering Science-A Critical Overview. I-manager's Journal on Future Engineering and Technology, 2015, 10, 38-48.	0.4	1
1037	Frontiers of Nanoelectrochemistry and Application of Nanotechnology: A Vision for the Future. , 2016, , 1329-1347.		2
1038	Removal Characteristics of Boron and Humic Acid by Pre-blending Seawater and Brackish Water Using UF-SWRO Hybrid Process in Pilot-scale Plant for Desalination. Daehan Hwan'gyeong Gonghag Hoeji, 2016, 38, 34-41.	1.1	0
1039	Potential of ceramic ultrafiltration membranes for the treatment of anionic surfactants in laundry wastewater for greywater reuse. Journal of Water Process Engineering, 2021, 44, 102373.	5.6	27
1040	Retention of natural organic matter by ultrafiltration and the mitigation of membrane fouling through pre-treatment, membrane enhancement, and cleaning - A review. Journal of Water Process Engineering, 2021, 44, 102374.	5.6	55
1041	Fouling, performance and cost analysis of membrane-based water desalination technologies: A critical review. Journal of Environmental Management, 2022, 301, 113922.	7.8	71
1042	Interfacial polymerization plus: A new strategy for membrane selective layer construction. Journal of Membrane Science, 2022, 642, 119973.	8.2	21
1043	Removal of Emerging Contaminants from Water and Wastewater Using Nanofiltration Technology. , 2020, , 697-716.		0
1044	Ultrafiltration und Mikrofiltration. , 2007, , 309-368.		0
1045	Facile fabrication of covalent organic framework composite membranes via interfacial polymerization for enhanced separation and anti-fouling performance. Journal of Environmental Chemical Engineering, 2021, 9, 106807.	6.7	10

#	Article	IF	CITATIONS
1046	Whey Recovery Using NF-Like Forward Osmosis: An OCT-Based Approach to Interpreting the Fouling Behavior. SSRN Electronic Journal, 0, , .	0.4	0
1047	Performance of integrated sequencing batch reactor (SBR) and reverse osmosis (RO) process for leachate treatment: effect of pH. Journal of Environmental Health Science & Engineering, 2022, 20, 419-429.	3.0	6
1048	Renewable energy powered membrane technology: Impact of osmotic backwash on organic fouling during solar irradiance fluctuation. Journal of Membrane Science, 2022, 647, 120286.	8.2	7
1049	Modification of polyamide nanofiltration membrane with ultra-high multivalent cations rejections and mono-/divalent cation selectivity. Desalination, 2022, 527, 115553.	8.2	19
1050	Membrane Scaling and Wetting in Membrane Distillation: Mitigation Roles Played by Humic Substances. Environmental Science & Technology, 2022, 56, 3258-3266.	10.0	32
1051	Review—Electrochemical Separation of Organic and Inorganic Contaminants in Wastewater. Journal of the Electrochemical Society, 2022, 169, 033505.	2.9	7
1052	Revealing the mechanisms of irreversible fouling during microfiltration – The role of feedwater composition. Journal of Environmental Chemical Engineering, 2022, 10, 107362.	6.7	4
1053	Fouling Behavior and Cleaning Strategies of Ceramic Ultrafiltration Membranes for the Treatment and Reuse of Laundry Wastewater. SSRN Electronic Journal, 0, , .	0.4	0
1054	Reuse and recycling of end-of-life reverse osmosis membranes. , 2022, , 381-417.		0
1055	Ultrafiltration Membrane Fouling in Side-Stream Aerobic Granular Sludge Membrane Bioreactor. SSRN Electronic Journal, 0, , .	0.4	0
1056	Hazardous Fluoride and Silica Removal from Semiconductor Wastewater in a Waste Control by Waste Principle. SSRN Electronic Journal, 0, , .	0.4	0
1057	Effect of backwashing process on the performance of an interlayer-free silica–pectin membrane applied to wetland saline water pervaporation. Membrane Technology, 2022, 2022, .	0.1	5
1058	Fouling control and modeling in reverse osmosis for seawater desalination: A review. Computers and Chemical Engineering, 2022, 162, 107794.	3.8	26
1059	In situ visualization of combined membrane fouling behaviors using multi-color light sheet fluorescence imaging: A study with BSA and dextran mixture. Journal of Membrane Science, 2022, 649, 120385.	8.2	2
1060	Investigation of fluoride and silica removal from semiconductor wastewaters with a clean coagulation-ultrafiltration process. Chemical Engineering Journal, 2022, 438, 135562.	12.7	17
1061	Oil-in-water emulsion separation: Fouling of alumina membranes with and without a silicon carbide deposition in constant flux filtration mode. Water Research, 2022, 216, 118267.	11.3	27
1062	Effect of antiscalants on organic fouling potential of rough membrane in membrane distillation: Focusing on the evaluation of interfacial interaction. Desalination, 2022, 532, 115730.	8.2	4
1063	Electrochemical membrane technology for fouling control. , 2022, , 195-225.		2

#	Article	IF	CITATIONS
1065	Organic matter removal and antifouling performance of sulfonated polyaniline nanofiltration (S-PANI NF) membranes. Journal of Environmental Chemical Engineering, 2022, 10, 107906.	6.7	8
1066	Ultrafiltration of aerobic granular sludge bioreactor effluent: Fouling potentials and properties. Journal of Water Process Engineering, 2022, 47, 102805.	5.6	8
1067	Chemically induced alteration in PAC characteristics and its influences on PAC/UF water treatment: Implications for on-line membrane cleaning with NaClO. Separation and Purification Technology, 2022, 294, 121130.	7.9	7
1068	Fouling behavior and cleaning strategies of ceramic ultrafiltration membranes for the treatment and reuse of laundry wastewater. Journal of Water Process Engineering, 2022, 48, 102840.	5.6	16
1070	Relating Uncharged Solute Retention of Polyelectrolyte Multilayer Nanofiltration Membranes to Effective Structural Properties. SSRN Electronic Journal, 0, , .	0.4	0
1071	Cosolvent-Assisted Interfacial Polymerization toward Regulating the Morphology and Performance of Polyamide Reverse Osmosis Membranes: Increased <i>m</i> Phenylenediamine Solubility or Enhanced Interfacial Vaporization?. Environmental Science & Technology, 2022, 56, 10308-10316.	10.0	20
1072	Whey Recovery Using Nanofiltration-like Forward Osmosis: Optical Coherence Tomography Based Approach to Understanding Fouling Behavior. ACS ES&T Water, 0, , .	4.6	3
1073	A review on fabrication, characterization of membrane and the influence of various parameters on contaminant separation process. Chemosphere, 2022, 306, 135629.	8.2	15
1074	Valorising Nutrient-Rich Digestate as a Waste-Based Media for Microalgal Cultivation: Bench-Scale Filtration Characterisation and Scale-Up for a Commercial Recovery Process. Energies, 2022, 15, 5976.	3.1	0
1075	Preferential interactions of surface-bound engineered single stranded DNA with highly aromatic natural organic matter: Mechanistic insights and implications for optimizing practical aquatic applications. Water Research, 2022, 223, 119015.	11.3	4
1076	Assessing organic fouling of ultrafiltration membranes using partition coefficients of dissolved organic matter in aqueous two-phase systems. Chemosphere, 2022, 307, 136076.	8.2	2
1077	Dissecting the role of membrane defects with low-energy barrier on fouling development through A collision Attachment-Monte Carlo approach. Journal of Membrane Science, 2022, 663, 120981.	8.2	3
1078	Fouling control in SWRO desalination during harmful algal blooms: A historical review and future developments. Desalination, 2022, 543, 116094.	8.2	17
1079	Dissecting the Role of Membrane Defects on Fouling Development and Characteristics with a Collision Attachment-Monte Carlo Approach. SSRN Electronic Journal, 0, , .	0.4	0
1080	Biofouling Control in Water Filtration Systems. Springer Series on Biofilms, 2022, , 521-551.	0.1	1
1081	Membrane-organic solute interactions in asymmetric flow field flow fractionation: Interplay of hydrodynamic and electrostatic forces. Science of the Total Environment, 2023, 855, 158891.	8.0	3
1082	A Roadmap for Building Waterborne Virus Traps. Jacs Au, 2022, 2, 2205-2221.	7.9	6
1083	Physically-assisted removal of organic fouling by osmotic backwashing coupled with chemical cleaning. Journal of Cleaner Production, 2022, 378, 134490.	9.3	6

#	Article	IF	CITATIONS
1084	Efficacy of a typical clean-in-place protocol against in vitro membrane biofilms. Journal of Dairy Science, 2022, 105, 9417-9425.	3.4	2
1085	Recovery of Fluoride-Rich and Silica-Rich Wastewaters as Valuable Resources: A Resource Capture Ultrafiltration–Bipolar Membrane Electrodialysis-Based Closed-Loop Process. Environmental Science & Technology, 2022, 56, 16221-16229.	10.0	6
1086	Comparison of different cleaning strategies on fouling mitigation in hollow fiber nanofiltration membranes for river water treatment. Journal of Cleaner Production, 2022, 380, 134764.	9.3	11
1087	Effect of chemical cleaning on nanofiltration process in treating surface water. Journal of Water Process Engineering, 2022, 50, 103271.	5.6	4
1088	The impact of PET microplastic fibres on PVDF ultrafiltration performance – A short-term assessment of MP fouling in simple and complex matrices. Chemosphere, 2023, 310, 136891.	8.2	8
1089	A Concise Review of Theoretical Models and Numerical Simulations of Membrane Fouling. Water (Switzerland), 2022, 14, 3537.	2.7	8
1090	Relating uncharged solute retention of polyelectrolyte multilayer nanofiltration membranes to effective structural properties. Journal of Membrane Science, 2023, 668, 121164.	8.2	5
1091	Organic solvent-free polyelectrolyte complex membrane preparation: Effect of monomer mixing ratio and casting solution temperature. Journal of Membrane Science, 2023, 668, 121197.	8.2	5
1092	Fulvic and alginic acid separation during pressure retarded osmosis: Governing effects and fouling mechanisms. Separation and Purification Technology, 2023, 306, 122692.	7.9	4
1093	Formation of Organic Fouling during Membrane Desalination: The Effect of Divalent Cations and the Use of an Online Visual Monitoring Method. Membranes, 2022, 12, 1177.	3.0	0
1094	Effects of Feed Solution pH on Polyelectrolyte Multilayer Nanofiltration Membranes. ACS Applied Polymer Materials, 2023, 5, 355-369.	4.4	9
1095	Demystifying the Role of Surfactant in Tailoring Polyamide Morphology for Enhanced Reverse Osmosis Performance: Mechanistic Insights and Environmental Implications. Environmental Science & Technology, 2023, 57, 1819-1827.	10.0	15
1097	Membranes. , 2023, , 151-193.		0
1099	Aquaporinâ€Based Biomimetic Membranes for Low Energy Water Desalination and Separation Applications. Advanced Functional Materials, 2023, 33, .	14.9	10
1100	Smart utilisation of reverse solute diffusion in forward osmosis for water treatment: A mini review. Science of the Total Environment, 2023, 873, 162430.	8.0	9
1101	Impacts of water hardness on coagulation-UF-NF process using aluminum salts. Separation and Purification Technology, 2023, 314, 123611.	7.9	2
1102	Removal of natural organic matter from surface water sources by nanofiltration and surface engineering membranes for fouling mitigation – A review. Chemosphere, 2023, 321, 138070.	8.2	14
1103	Application of Radial Type Multifiber Media Filtration Process for Combined Sewer Overflow Treatment. Applied Sciences (Switzerland), 2023, 13, 3647.	2.5	1

#	Article	IF	CITATIONS
1104	Fouling in reverse osmosis membranes: monitoring, characterization, mitigation strategies and future directions. Heliyon, 2023, 9, e14908.	3.2	22
1105	Removal of per- and polyfluoroalkyl substances by nanofiltration: Effect of molecular structure and coexisting natural organic matter. Journal of Hazardous Materials, 2023, 454, 131438.	12.4	4
1106	Evaluating membrane cleaning for organic fouling in direct contact membrane distillation. Journal of Cleaner Production, 2023, 410, 137319.	9.3	4
1107	Development, testing, and molecular dynamics simulation of a membrane that resists fouling by gel pollutants for humidification–dehumidification–type seawater desalination. Desalination, 2023, 561, 116686.	8.2	4
1108	Development and Control of Biofilms: Novel Strategies Using Natural Antimicrobials. Membranes, 2023, 13, 579.	3.0	1
1109	Electrochemically activated peroxymonosulfate (PMS) pretreatment for fouling remediation during membrane distillation of surface water: Role of PMS concentration and dosing mode. Separation and Purification Technology, 2023, 322, 124308.	7.9	2
1111	Relating critical and limiting fluxes to metastable and long-term stable fluxes in colloidal membrane filtration through collision-attachment theory. Water Research, 2023, 238, 120010.	11.3	2
1112	A review on potential sulfide-based ternary chalcogenides for emerging photo-assisted water purification applications. Environmental Science and Pollution Research, 2023, 30, 69751-69773.	5.3	3
1113	Linking water quality, fouling layer composition, and performance of reverse osmosis membranes. Journal of Membrane Science, 2023, 680, 121717.	8.2	4
1114	Evaluation of the applicability of selected analytical techniques for determining the characteristics of humic substances sourced from by-products of the wastewater treatment process. Science of the Total Environment, 2023, 888, 164237.	8.0	1
1115	Transport and fouling in desalination membranes. , 2024, , 670-684.		0
1116	Separation performance and fouling analyses of nanofiltration membrane for lithium extraction from salt lake brine. Journal of Water Process Engineering, 2023, 54, 104009.	5.6	6
1119	Sustainable Water Treatment Using Nanofiltration and Tight Ultrafiltration Membranes. , 2023, , 11-23.		0
1120	Cellulose acetate-based membrane for wastewater treatment—A state-of-the-art review. Materials Advances, 2023, 4, 4054-4102.	5.4	2
1121	Ion adsorption on nanofiltration membrane surface and its effect on rejection of charged solutes: A zeta potential approach. Separation and Purification Technology, 2023, 326, 124830.	7.9	2
1122	Understanding the evolution of organic fouling in membrane distillation through driving force and resistance analysis. Journal of Membrane Science, 2023, 686, 121993.	8.2	6
1123	Effects of a sidestream concentrated oxygen supply system on the membrane filtration performance of a high-loaded membrane bioreactor. Environmental Research, 2023, 237, 116914.	7.5	0
1124	Development of micropollutants removal process using thin-film nanocomposite membranes prepared by green new vapour-phase interfacial polymerization method. Chemical Engineering Journal, 2023, 472, 144940.	12.7	14

#	Article	IF	CITATIONS
1125	Natural organic matter and ionic strength (CaCl2) affect transport, retention and remobilization of silica encapsulated DNA colloids (DNAcol) in saturated sand columns. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2023, 678, 132476.	4.7	0
1127	Microfiltration, ultrafiltration and nanofiltration as a post-treatment of biological treatment process with references to oil field produced water of Moran oilfield of Assam. Petroleum Research, 2023, , .	2.7	1
1128	Development of an automatic and object-oriented method for spacer design in the spiral wound nanofiltration modules to comprehensively enhance filtration performance. Desalination, 2023, 566, 116945.	8.2	0
1129	Influence of colloidal iron oxide and natural organic matter fouling on nanofiltration membrane performance: role of feed composition and membrane properties. Environmental Science: Water Research and Technology, 0, , .	2.4	0
1131	Novel insight into prior induced crystallization on brackish water nanofiltration. Desalination, 2023, 568, 117009.	8.2	1
1132	Evaluation of diffusion coefficients as surrogate indicators for electrostatic repulsion in ultrafiltration membrane fouling. Desalination, 2023, 568, 117020.	8.2	0
1133	Mechanism of organic fouling in the reverse osmosis process of coal chemical wastewater. Journal of Water Process Engineering, 2023, 56, 104413.	5.6	1
1134	Effect of temperature on organic fouling and cleaning efficiency of nanofiltration membranes for loch water treatment. Separation and Purification Technology, 2024, 332, 125815.	7.9	0
1135	Process intensification with reactive membrane distillation: A review of hybrid and integrated processes. Desalination, 2024, 573, 117182.	8.2	1
1136	Preparation strategies of the positively charged nanofiltration membrane: A comprehensive review. Separation and Purification Technology, 2024, 334, 126011.	7.9	0
1137	Adsorptive chito-beads for control of membrane fouling. Carbohydrate Polymers, 2024, 327, 121642.	10.2	0
1139	Understanding the "Berg limit": The $65 \hat{A}^{\rm o}$ contact angle as the universal adhesion threshold of biomatter. Physical Chemistry Chemical Physics, 0, , .	2.8	2
1140	Impact of Variable Technological and Quality Factors on the Efficiency of Filtration Processes Using Dynasand Filters and Lamella Separator. , 2023, 16, 177-187.		0
1141	Removal of a cyanotoxins mixture by loose nanofiltration membranes applied in drinking water production. Journal of Water Process Engineering, 2024, 57, 104694.	5.6	0
1142	Effects of coexisted substances on the separation characteristics and mechanisms of perfluorooctanoic acid by polyamide composite nanofiltration membrane. International Journal of Environmental Science and Technology, 2024, 21, 6043-6052.	3.5	0
1144	Molecular level unveils anion exchange membrane fouling induced by natural organic matter via XDLVO and molecular simulation. Science of the Total Environment, 2024, 916, 170272.	8.0	0
1145	Mitigation mechanisms of silica scaling on different organic-fouled nanofiltration membrane surface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2024, 686, 133298.	4.7	0
1146	Collision-attachment simulation of membrane fouling by oppositely and similarly charged colloids. Water Research, 2024, 252, 121194.	11.3	0

#	Article	IF	CITATIONS
1147	Preparation of NaCl Particles Added Polyvinylidene Fluoride Microporous Filter and a Simple Filtration Device. Coatings, 2024, 14, 196.	2.6	0
1148	Research on the factors influencing nanofiltration membrane fouling and the prediction of membrane fouling. Journal of Water Process Engineering, 2024, 59, 104876.	5.6	0
1149	Using organic fertilizer to mitigate organic-inorganic fouling in agricultural saline wastewater irrigation systems. Chemosphere, 2024, 352, 141373.	8.2	0
1150	Electrically conductive membrane for fouling control: Its mechanisms and applications. Desalination, 2024, 578, 117445.	8.2	0
1151	Organic fouling mechanism in ultrafiltration membrane for drinking water. AIP Conference Proceedings, 2024, , .	0.4	0
1152	Electroâ€Conductive Ti ₃ C ₂ MXene Multilayered Membranes: Dye Removal and Antifouling Performance. Advanced Functional Materials, 0, , .	14.9	Ο