

# Critical flux concept for microfiltration fouling

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Citation Report

#	ARTICLE	IF	CITATIONS
1	ANALYSIS OF THE FOULING MECHANISM IN MICROFILTRATION OF ORANGE JUICE. Journal of Food Processing and Preservation, 1996, 20, 453-466.	0.9	40
2	Use of a Helical Baffle for Red Wine Clarification on a Mineral Membrane. Separation Science and Technology, 1996, 31, 2775-2789.	1.3	7
3	Low cross-flow velocity microfiltration of skim milk for removal of bacterial spores. International Dairy Journal, 1997, 7, 849-861.	1.5	82
4	An enhancement of critical flux in crossflow microfiltration with a pretreatment of floating medium flocculator/prefilter. Water Science and Technology, 1997, 36, 267.	1.2	10
5	The Effect of Operating Conditions on Critical Flux in Membrane Filtration of Latexes. Chemical Engineering Research and Design, 1997, 75, 266-269.	2.7	19
6	An Investigation of the Mechanism of Critical Flux in Membrane Filtration Using Electron Microscopy. Journal of Porous Materials, 1997, 4, 239-244.	1.3	7
7	Particle deposition during membrane filtration of colloids: transition between concentration polarization and cake formation. Journal of Membrane Science, 1997, 125, 109-122.	4.1	241
8	Chemical and physical aspects of natural organic matter (NOM) fouling of nanofiltration membranes. Journal of Membrane Science, 1997, 132, 159-181.	4.1	1,153
9	Influence of filtration conditions on the performance of NF membranes in the filtration of paper mill total effluent. Journal of Membrane Science, 1997, 137, 187-199.	4.1	43
10	Full-scale application of membrane microfiltration in North West Water Huntington stage 4, provision of an 80 Mld plant. Desalination, 1997, 113, 267-272.	4.0	0
11	Influence of particle size and surface charge on critical flux of crossflow microfiltration. Water Science and Technology, 1998, 38, 481.	1.2	43
12	Membrane Cleaning: Chemically Enhanced Removal of Deposits Formed During Yeast Cell Harvesting. Food and Bioproducts Processing, 1998, 76, 30-38.	1.8	31
13	Crossflow microfiltration of shear-thinning aqueous titanium dioxide dispersions. Chemical Engineering Journal, 1998, 69, 53-61.	6.6	15
14	Simultaneous reaction and separation in enzymatic hydrolysis of high oleate sunflower oil " evaluation of ultrafiltration performance and process synergy. Chemical Engineering Journal, 1998, 71, 87-96.	6.6	8
15	Fractionation of model proteins using their physicochemical properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 138, 185-205.	2.3	85
16	Coagulation of colloids in a boundary layer during cross-flow filtration. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 138, 217-230.	2.3	42
17	Direct observation of particle deposition on the membrane surface during crossflow microfiltration. Journal of Membrane Science, 1998, 149, 83-97.	4.1	269
18	Hydrodynamic behavior of anaerobic biosolids during crossflow filtration in the membrane anaerobic bioreactor. Water Research, 1998, 32, 3387-3397.	5.3	127

#	ARTICLE	IF	CITATIONS
19	Study of Fouling Phenomena in Apple Juice Clarification by Enzyme Membrane Reactor. Separation Science and Technology, 1998, 33, 739-756.	1.3	29
20	Existence of Critical Recovery and Impacts of Operational Mode on Potable Water Microfiltration. Journal of Environmental Engineering, ASCE, 1998, 124, 1211-1219.	0.7	26
21	Critical flux measurement for model colloids. Journal of Membrane Science, 1999, 152, 89-98.	4.1	133
22	Transmission of bovine albumin under controlled flux ultrafiltration. Journal of Membrane Science, 1999, 152, 117-127.	4.1	21
23	Comparison between filtrations at fixed transmembrane pressure and fixed permeate flux: application to a membrane bioreactor used for wastewater treatment. Journal of Membrane Science, 1999, 152, 203-210.	4.1	179
24	Effect of particle shape on crossflow filtration flux. Journal of Membrane Science, 1999, 153, 121-139.	4.1	16
25	Synergetic cleaning procedure for a ceramic membrane fouled by beer microfiltration. Journal of Membrane Science, 1999, 155, 277-289.	4.1	77
26	The influence of the membrane zeta potential on the critical flux for crossflow microfiltration of particle suspensions. Journal of Membrane Science, 1999, 156, 153-158.	4.1	64
27	Reversibility of fouling formed in activated sludge filtration. Journal of Membrane Science, 1999, 157, 73-84.	4.1	105
28	A study on dynamic separation of silica slurry using a rotating membrane filter: 2. Modelling of cake formation. Journal of Membrane Science, 1999, 157, 177-187.	4.1	17
29	Fouling in Membrane Apparatus. Food and Bioproducts Processing, 1999, 77, 119-126.	1.8	5
30	Washing Cryopreserved Blood Products Using Hollow Fibres. Food and Bioproducts Processing, 1999, 77, 287-292.	1.8	6
31	Crossflow microfiltration of magnesium hydroxide suspensions: determination of critical fluxes, measurement and modelling of fouling.. Separation and Purification Technology, 1999, 16, 25-45.	3.9	26
32	Factors influencing critical flux in membrane filtration of activated sludge. Journal of Chemical Technology and Biotechnology, 1999, 74, 539-543.	1.6	73
33	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.	5.3	251
34	Analysis of the Membrane Fouling on Cross-flow Ultrafiltration and Microfiltration of Soy Sauce Lees.. Kagaku Kogaku Ronbunshu, 2000, 26, 431-436.	0.1	3
35	Application of microfiltration with a novel fouling control method for reuse of wastewater from a large-scale resort complex. Desalination, 2000, 129, 207-216.	4.0	26
36	Separation of soluble protein from inclusion bodies in Escherichia coli lysate using crossflow microfiltration. Journal of Membrane Science, 2000, 166, 137-146.	4.1	14

#	ARTICLE	IF	CITATIONS
37	Cross-flow and dead-end microfiltration of oily-water emulsions. Journal of Membrane Science, 2000, 169, 1-15.	4.1	128
38	Critical flux in NF of high molar mass polysaccharides and effluents from the paper industry. Journal of Membrane Science, 2000, 170, 257-273.	4.1	112
39	Importance of the control mode in ultrafiltration: case of raw cane sugar remelt. Journal of Food Engineering, 2000, 44, 119-126.	2.7	15
40	Modeling Retrovirus Production for Gene Therapy. 2. Integrated Optimization of Bioreaction and Downstream Processing. Biotechnology Progress, 2000, 16, 350-357.	1.3	20
41	Aerobic MBRs for domestic wastewater treatment: a review with cost considerations. Separation and Purification Technology, 2000, 18, 119-130.	3.9	357
42	Experimental determination of critical flux in cross-flow microfiltration. Separation and Purification Technology, 2000, 19, 169-181.	3.9	115
43	Effects of concentration on permeate flux in cross-flow microfiltration of soy sauce lees for batch-concentration.. Membrane, 2000, 25, 318-323.	0.0	2
44	Chemical Water and Wastewater Treatment VI. , 2000, , .		1
45	Removal of iron and manganese from groundwater by oxidation and microfiltration. Desalination, 2000, 130, 255-264.	4.0	178
46	Fouling characteristics of membrane filtration in membrane bioreactors. Membrane Technology, 2000, 2000, 10-13.	0.5	32
47	Euromembrane 2000 highlights membrane-based water treatment technologies. Membrane Technology, 2001, 2001, 4-8.	0.5	0
48	Analysis of microfiltration performance with constant flux processing of secondary effluent. Water Research, 2001, 35, 4349-4358.	5.3	49
49	Membrane technology in water treatment and monitoring. , 2001, , .		0
50	The effects of electrolyte concentration and pH on protein aggregation and deposition: critical flux and constant flux membrane filtration. Journal of Membrane Science, 2001, 185, 177-192.	4.1	85
51	Effects of ultrafiltration membrane surface properties on Pseudomonas aeruginosa biofilm initiation for the purpose of reducing biofouling. Journal of Membrane Science, 2001, 194, 15-32.	4.1	215
52	Comparison of operating modes for clarifying lactic acid fermentation broths by batch cross-flow microfiltration. Process Biochemistry, 2001, 36, 751-756.	1.8	16
53	Experimental study on the enhancement of yeast microfiltration with gas sparging. Journal of Chemical Technology and Biotechnology, 2001, 76, 477-484.	1.6	27
54	Separation of lactic acid-producing bacteria from fermentation broth using a ceramic microfiltration membrane with constant permeate flow. Biotechnology and Bioengineering, 2001, 72, 269-277.	1.7	50

#	ARTICLE	IF	CITATIONS
55	Rejection in Pumping Permeate Microfiltration. <i>Chemical Engineering Research and Design</i> , 2001, 79, 352-356.	2.7	1
56	Clarification of lactic acid fermentation broths. <i>Separation and Purification Technology</i> , 2001, 22-23, 393-401.	3.9	36
57	Microfiltration of beer yeast suspensions through stamped ceramic membranes. <i>Separation and Purification Technology</i> , 2001, 25, 535-543.	3.9	37
58	Effect of hydrodynamic and physicochemical changes on critical flux of milk protein suspensions. <i>Journal of Dairy Research</i> , 2002, 69, 443-455.	0.7	19
59	Applicability Assessment of Subcritical Flux Operation in Crossflow Microfiltration with a Concentration Polarization Model. <i>Journal of Environmental Engineering, ASCE</i> , 2002, 128, 335-340.	0.7	20
60	The treatment of high strength wastewater containing high concentrations of ammonium in a staged anaerobic and aerobic membrane bioreactor. <i>Journal of Environmental Engineering and Science</i> , 2002, 1, 303-310.	0.3	13
61	Membrane Colloid Interactions: Comparison of Extended DLVO Predictions with AFM Force Measurements. <i>Environmental Engineering Science</i> , 2002, 19, 413-427.	0.8	112
62	Modeling Flux Decline during Nanofiltration of NOM with Poly(arylsulfone) Membranes Modified Using UV-Assisted Graft Polymerization. <i>Environmental Engineering Science</i> , 2002, 19, 477-495.	0.8	43
63	Membrane fouling during constant flux filtration in membrane bioreactors. <i>Membrane Technology</i> , 2002, 2002, 6-10.	0.5	46
64	Performance of crossflow microfiltration during constant transmembrane pressure and constant flux operations. <i>International Dairy Journal</i> , 2002, 12, 473-479.	1.5	38
65	Membrane Fouling in Membrane Bioreactors for Wastewater Treatment. <i>Journal of Environmental Engineering, ASCE</i> , 2002, 128, 1018-1029.	0.7	597
66	Microfiltration and ultrafiltration of UHT skim milk with a vibrating membrane module. <i>Separation and Purification Technology</i> , 2002, 28, 219-234.	3.9	62
67	Modeling and optimizing submerged hollow fiber membrane modules. <i>AIChE Journal</i> , 2002, 48, 2203-2212.	1.8	68
68	Critical flux in ultrafiltration of myoglobin and baker's yeast. <i>Journal of Membrane Science</i> , 2002, 196, 13-25.	4.1	62
69	Particulate fouling of surface microfilters with slotted and circular pore geometry. <i>Journal of Membrane Science</i> , 2002, 196, 27-37.	4.1	46
70	Coupling between chemical and physical interactions in natural organic matter (NOM) fouling of nanofiltration membranes: implications for fouling control. <i>Journal of Membrane Science</i> , 2002, 203, 245-255.	4.1	360
71	Transmembrane pressure profiles during constant flux microfiltration of bovine serum albumin. <i>Journal of Membrane Science</i> , 2002, 209, 363-377.	4.1	96
72	Fouling and regeneration of ceramic microfiltration membranes in processing acid wastewater containing fine TiO <sub>2</sub> particles. <i>Journal of Membrane Science</i> , 2002, 208, 331-341.	4.1	62

#	ARTICLE	IF	CITATIONS
73	Fouling transients in nominally sub-critical flux operation of a membrane bioreactor. <i>Journal of Membrane Science</i> , 2002, 209, 391-403.	4.1	411
74	Measuring and modelling flux recovery during the chemical cleaning of MF membranes for the processing of whey protein concentrate. <i>Journal of Food Engineering</i> , 2002, 53, 143-152.	2.7	87
75	Fouling control in activated sludge submerged hollow fiber membrane bioreactors. <i>Desalination</i> , 2002, 143, 219-228.	4.0	258
76	Engineering of membrane biosorption. <i>Desalination</i> , 2002, 144, 219-226.	4.0	7
77	Modelling the microfiltration of lactic acid fermentation broths and comparison of operating modes. <i>Desalination</i> , 2002, 145, 201-206.	4.0	27
78	On an experimental method to measure critical flux in ultrafiltration. <i>Desalination</i> , 2002, 146, 91-96.	4.0	134
79	Aeration performance of immersed hollow-fiber membranes in a bentonite suspension. <i>Desalination</i> , 2002, 148, 395-400.	4.0	49
80	Critical Flux in Ultrafiltration of Skimmed Milk. <i>Food and Bioproducts Processing</i> , 2003, 81, 303-308.	1.8	29
81	Effect of surface-modifying macromolecules and membrane morphology on fouling of polyethersulfone ultrafiltration membranes. <i>Journal of Applied Polymer Science</i> , 2003, 88, 3132-3138.	1.3	43
82	Critical flux enhancements with air sparging in axial hollow fibers cross-flow microfiltration of biologically treated wastewater. <i>Journal of Membrane Science</i> , 2003, 224, 69-79.	4.1	56
83	Critical flux determination by the flux-step method in a submerged membrane bioreactor. <i>Journal of Membrane Science</i> , 2003, 227, 81-93.	4.1	447
84	Membrane sequencing batch reactor system for the treatment of dairy industry wastewater. <i>Process Biochemistry</i> , 2003, 39, 221-231.	1.8	80
85	The effect of filament orientation on critical flux and particle deposition in spacer-filled channels. <i>Journal of Membrane Science</i> , 2003, 214, 165-178.	4.1	93
86	Study of fouling mechanism in pineapple juice clarification by ultrafiltration. <i>Journal of Membrane Science</i> , 2003, 215, 213-224.	4.1	140
87	Observation of deposition and removal behaviour of submicron bacteria on the membrane surface during crossflow microfiltration. <i>Journal of Membrane Science</i> , 2003, 217, 29-41.	4.1	82
88	Impact of aeration, solids concentration and membrane characteristics on the hydraulic performance of a membrane bioreactor. <i>Journal of Membrane Science</i> , 2003, 218, 117-129.	4.1	249
89	The use of gas bubbling to enhance membrane processes. <i>Journal of Membrane Science</i> , 2003, 221, 1-35.	4.1	433
90	Use of MF and UF membranes for reclamation of glass industry wastewater containing colloidal clay and glass particles. <i>Journal of Membrane Science</i> , 2003, 223, 89-103.	4.1	32

#	ARTICLE	IF	CITATIONS
91	A Predictive Aggregate Transport Model for Microfiltration of Combined Macromolecular Solutions and Poly-Disperse Suspensions: Model Development. <i>Biotechnology Progress</i> , 2003, 19, 1524-1532.	1.3	21
92	A Predictive Aggregate Transport Model for Microfiltration of Combined Macromolecular Solutions and Poly-Disperse Suspensions: Testing Model with Transgenic Goat Milk. <i>Biotechnology Progress</i> , 2003, 19, 1533-1540.	1.3	20
93	Membrane technology. , 2003, , 13-74.		17
94	Étude du colmatage des membranes en ultrafiltration et en coagulation—ultrafiltration d'eau de surface. <i>Journal of Environmental Engineering and Science</i> , 2003, 2, 139-148.	0.3	4
95	Fouling phenomena in a MBR: transmembrane pressure transients and the role of EPS (extracellular) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	9
96	Optimisation of water savings and membrane processes. <i>Water Science and Technology: Water Supply</i> , 2003, 3, 289-294.	1.0	0
97	Surface water clarification by ultrafiltration with an immersed membrane system: effect of coagulation/aeration on flux enhancement. <i>Water Science and Technology: Water Supply</i> , 2003, 3, 393-399.	1.0	5
98	Methods for understanding organic fouling in MBRs. <i>Water Science and Technology</i> , 2004, 49, 237-244.	1.2	38
99	Water circuit closure with membrane technology in the pulp and paper industry. <i>Water Science and Technology</i> , 2004, 50, 217-227.	1.2	72
100	The Effect of Multiple Fouling and Cleaning Cycles on a Tubular Ceramic Microfiltration Membrane Fouled with a Whey Protein Concentrate. <i>Food and Bioproducts Processing</i> , 2004, 82, 231-243.	1.8	48
101	Separation of immunoglobulin G precipitate from contaminating proteins using microfiltration. <i>Biotechnology and Applied Biochemistry</i> , 2004, 39, 241.	1.4	12
102	Use of Microfiltration as First Step in Recovery of Protein A From Fermentation Broth. <i>Applied Biochemistry and Biotechnology</i> , 2004, 112, 151-162.	1.4	8
103	Arsenic Removal Technologies for Drinking Water Treatment. <i>Reviews in Environmental Science and Biotechnology</i> , 2004, 3, 43-53.	3.9	106
104	Effect of varying incidental angles of a wire-rod insert on the performance of tubular ultrafiltration membranes. <i>Desalination</i> , 2004, 170, 15-25.	4.0	3
105	Effect of electrostatic, hydrodynamic, and Brownian forces on particle trajectories and sieving in normal flow filtration. <i>Journal of Colloid and Interface Science</i> , 2004, 269, 425-431.	5.0	166
106	Biological hydrogen production using a membrane bioreactor. <i>Biotechnology and Bioengineering</i> , 2004, 87, 119-127.	1.7	175
107	Industrial wastewater treatment in a membrane bioreactor: A review. <i>Environmental Progress</i> , 2004, 23, 59-68.	0.8	132
108	Spiral wound modules and spacers. <i>Journal of Membrane Science</i> , 2004, 242, 129-153.	4.1	297

#	ARTICLE	IF	CITATIONS
109	A possible link between critical and limiting flux for colloidal systems: consideration of critical deposit formation along a membrane. <i>Journal of Membrane Science</i> , 2004, 228, 237-241.	4.1	77
110	Threshold flux in fouling of OF membranes by colloidal iron. <i>Desalination</i> , 2004, 161, 207-221.	4.0	24
111	Improved permeate flux by flocculation of biological feeds: comparison between theory and experiment. <i>Journal of Membrane Science</i> , 2004, 242, 57-71.	4.1	24
112	Experimental investigation of adsorption-“flocculation” microfiltration hybrid system in wastewater reuse. <i>Journal of Membrane Science</i> , 2004, 242, 27-35.	4.1	44
113	Membrane bioreactor fouling in sub-critical filtration conditions: a local critical flux concept. <i>Journal of Membrane Science</i> , 2004, 229, 171-177.	4.1	221
114	Flux decline during nanofiltration of naturally-occurring dissolved organic matter: effects of osmotic pressure, membrane permeability, and cake formation. <i>Journal of Membrane Science</i> , 2004, 239, 39-53.	4.1	83
115	Experimental and modeling study of a membrane filtration process using ceramic membranes to increase retroviral pseudotype vector titer. <i>Journal of Membrane Science</i> , 2004, 237, 25-38.	4.1	16
116	Efficiency of membrane-sorption integrated processes. <i>Journal of Membrane Science</i> , 2004, 239, 129-141.	4.1	56
117	Indirect evidence for deposit rearrangement during dead-end microfiltration of iron coagulated suspensions. <i>Journal of Membrane Science</i> , 2004, 239, 243-254.	4.1	17
118	Membrane fractionation of milk: state of the art and challenges. <i>Journal of Membrane Science</i> , 2004, 243, 263-272.	4.1	351
119	Effect of rod-radius variation on ultrafiltration in a solid-rod tubular-membrane. <i>Journal of Membrane Science</i> , 2004, 243, 357-364.	4.1	3
120	Direct observation of biofouling in cross-flow microfiltration: mechanisms of deposition and release. <i>Journal of Membrane Science</i> , 2004, 244, 151-165.	4.1	242
121	Integrating Membrane Filtration and a Fluidized-“Bed Pellet Reactor for Hardness Removal. <i>Journal - American Water Works Association</i> , 2004, 96, 151-158.	0.2	9
122	A Review of Biofouling and its Control in Membrane Separation Bioreactors. <i>Water Environment Research</i> , 2004, 76, 425-436.	1.3	141
123	The integration of methanogenesis with simultaneous nitrification and denitrification in a membrane bioreactor. <i>Process Biochemistry</i> , 2005, 40, 541-547.	1.8	31
124	Influence of sludge retention time on membrane fouling and bioactivities in membrane bioreactor system. <i>Process Biochemistry</i> , 2005, 40, 2393-2400.	1.8	168
125	Distributions of critical flux: modelling, experimental analysis and consequences for cross-flow membrane filtration. <i>Journal of Membrane Science</i> , 2005, 250, 223-234.	4.1	31
126	Artificial neural network model for transient crossflow microfiltration of polydispersed suspensions. <i>Journal of Membrane Science</i> , 2005, 258, 35-42.	4.1	76



#	ARTICLE	IF	CITATIONS
127	Reversibility of heterogeneous deposits formed from yeast and proteins during microfiltration. <i>Journal of Membrane Science</i> , 2005, 265, 20-28.	4.1	29
128	Evolution of fouling during crossflow filtration of model EPS solutions. <i>Journal of Membrane Science</i> , 2005, 264, 190-199.	4.1	179
129	Quantifying the effect of ionic strength on colloidal fouling potential in membrane filtration. <i>Journal of Colloid and Interface Science</i> , 2005, 284, 630-638.	5.0	51
130	Particle-particle interactions during normal flow filtration: Model simulations. <i>Chemical Engineering Science</i> , 2005, 60, 4073-4082.	1.9	34
131	Effect of flocculation and/or adsorption as pretreatment on the critical flux of crossflow microfiltration. <i>Desalination</i> , 2005, 172, 53-62.	4.0	30
132	Effects of retained natural organic matter (NOM) on NOM rejection and membrane flux decline with nanofiltration and ultrafiltration. <i>Desalination</i> , 2005, 173, 209-221.	4.0	68
133	A comparison of submerged and sidestream tubular membrane bioreactor configurations. <i>Desalination</i> , 2005, 173, 113-122.	4.0	71
134	The effect of hetero-aggregated feeds on critical flux. <i>Desalination</i> , 2005, 175, 1-5.	4.0	1
135	Critical flux aspect of air sparging and backflushing on membrane bioreactors. <i>Desalination</i> , 2005, 175, 61-71.	4.0	31
136	Critical flux in cross-flow ultrafiltration of protein solutions. <i>Desalination</i> , 2005, 175, 37-47.	4.0	26
137	Studies on nanofiltration membrane fouling in the treatment of water solutions containing humic acids. <i>Desalination</i> , 2005, 178, 171-178.	4.0	55
138	Optimisation of ultrafiltration of a highly viscous protein solution using spiral-wound modules. <i>Desalination</i> , 2005, 180, 15-24.	4.0	11
139	Filtration characterisation for assessing MBR performance: three cases compared. <i>Desalination</i> , 2005, 178, 115-124.	4.0	65
140	Study on polypropylene hollow fiber based recirculated membrane bioreactor for treatment of municipal wastewater. <i>Desalination</i> , 2005, 183, 431-438.	4.0	14
141	Critical flux detection in a silica scaling RO system. <i>Desalination</i> , 2005, 186, 311-318.	4.0	33
142	Modeling of a Catalyzed Reaction Using Lipase Immobilized in a Poly(vinyl alcohol) Membrane. <i>Engineering in Life Sciences</i> , 2005, 5, 29-37.	2.0	0
143	Enhancement of microfiltration of yeast suspensions using gas sparging - effect of feed conditions. <i>Separation and Purification Technology</i> , 2005, 41, 313-319.	3.9	20
144	Optimization of operational parameters for a submerged membrane bioreactor treating dyehouse wastewater. <i>Separation and Purification Technology</i> , 2005, 44, 61-68.	3.9	70

#	ARTICLE	IF	CITATIONS
145	Membrane Blocking In Ultrafiltration. Food and Bioproducts Processing, 2005, 83, 211-219.	1.8	45
146	Critical flux determination of non-circular multi-channel ceramic membranes using TiO suspensions. Journal of Membrane Science, 2005, 254, 295-301.	4.1	29
147	Monte Carlo simulation of colloidal membrane filtration: Model development with application to characterization of colloid phase transition. Journal of Membrane Science, 2005, 255, 291-305.	4.1	38
148	Characterization and reduction of membrane fouling during nanofiltration of semiconductor indium phosphide (InP) wastewater. Journal of Membrane Science, 2005, 259, 135-144.	4.1	17
149	The importance of liquid phase analyses to understand fouling in membrane assisted activated sludge processes—six case studies of different European research groups. Journal of Membrane Science, 2005, 263, 113-126.	4.1	239
150	Low fouling conditions in dead-end filtration: Evidence for a critical filtered volume and interpretation using critical osmotic pressure. Journal of Membrane Science, 2005, 264, 37-47.	4.1	64
151	Treatment of titanium white waste acid using ceramic microfiltration membrane. Chemical Engineering Journal, 2005, 111, 31-38.	6.6	39
152	Sub-critical flux fouling in membrane bioreactors – a review of recent literature. Desalination, 2005, 174, 221-230.	4.0	158
153	Dead-end filtration of natural organic matter: experimental evidence of critical conditions. Desalination, 2005, 175, 29-36.	4.0	20
154	Optimising the operation of a MBR pilot plant by quantitative analysis of the membrane fouling mechanism. Water Science and Technology, 2005, 51, 19-25.	1.2	83
155	Bench-scale evaluation of critical flux and TMP in low-pressure membrane filtration. Journal - American Water Works Association, 2005, 97, 134-143.	0.2	32
156	The relationship between critical flux and fibre movement induced by bubbling in a submerged hollow fibre system. Water Science and Technology, 2005, 51, 115-122.	1.2	17
157	Influence of module configuration and hydrodynamics in water clarification by immersed membrane systems. Water Science and Technology, 2005, 51, 135-142.	1.2	17
158	Biofouling in membrane separation systems. , 2005, , 493-542.		5
159	Direct Observation of Microbial Adhesion to Membranes. Environmental Science & Technology, 2005, 39, 6461-6469.	4.6	115
160	Flux Enhancement in a Helical Microfiltration Module with Gas Injection. Separation Science and Technology, 2005, 40, 2479-2495.	1.3	4
161	Biofouling in Membrane Bioreactor. Separation Science and Technology, 2006, 41, 1345-1370.	1.3	100
162	Sustainable Flux Fouling in a Membrane Bioreactor: Impact of Flux and MLSS. Separation Science and Technology, 2006, 41, 1279-1291.	1.3	50

#	ARTICLE	IF	CITATIONS
163	Fouling Control in a Submerged Flat Sheet Membrane System: Part I – Bubbling and Hydrodynamic Effects. <i>Separation Science and Technology</i> , 2006, 41, 1383-1409.	1.3	65
164	Analysis of the fouling mechanisms during cross-flow ultrafiltration of apple juice. <i>LWT - Food Science and Technology</i> , 2006, 39, 861-871.	2.5	26
165	Identification of wastewater sludge characteristics to predict critical flux for membrane bioreactor processes. <i>Water Research</i> , 2006, 40, 205-212.	5.3	150
166	INCORPORATION OF CAKE FILTRATION PRINCIPLES TO THE ANALYSIS OF SOLID/FLUID SEPARATION PROCESSES. , 2006, , 239-276.		0
167	Membrane chemical reactor (MCR) combining photocatalysis and microfiltration for grey water treatment. <i>Water Science and Technology</i> , 2006, 53, 173-180.	1.2	39
168	Bio-layer management in anaerobic membrane bioreactors for wastewater treatment. <i>Water Science and Technology</i> , 2006, 54, 81-86.	1.2	12
169	Enhanced coagulation, flocculation and immersed ultrafiltration for treatment of low alkalinity and highly coloured upland water. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2006, 55, 549-558.	0.6	3
170	Numerical simulation of colloidal dispersion filtration: description of critical flux and comparison with experimental results. <i>Desalination</i> , 2006, 192, 74-81.	4.0	28
171	Performance and filtration characteristics of non-woven membranes used in a submerged membrane bioreactor for synthetic wastewater treatment. <i>Desalination</i> , 2006, 191, 8-15.	4.0	41
172	A Maxwell–Stefan–Gouy–Debye model of the concentration profile of a charged solute in the polarisation layer. <i>Desalination</i> , 2006, 192, 356-363.	4.0	11
173	Treatment of domestic wastewater by using a microaerobic membrane bioreactor. <i>Desalination</i> , 2006, 189, 181-192.	4.0	51
174	Optimization of membrane batch processes by means of the critical flux theory. <i>Desalination</i> , 2006, 191, 62-70.	4.0	62
175	Behaviours of natural organic matter in membrane filtration for surface water treatment – a review. <i>Desalination</i> , 2006, 194, 211-231.	4.0	583
176	Dynamic microfiltration with a vibrating hollow fiber membrane module. <i>Desalination</i> , 2006, 199, 499-500.	4.0	14
177	Fouling reduction by graft-modification with hydrophilic polymers. <i>Desalination</i> , 2006, 199, 509-511.	4.0	1
178	Development of synthetic wastewater from the tomato industry for membrane processing purposes. <i>Desalination</i> , 2006, 200, 739-741.	4.0	5
179	Benefits of MBR in seafood wastewater treatment and water reuse: study case in Southern part of Thailand. <i>Desalination</i> , 2006, 200, 712-714.	4.0	18
180	Monte Carlo simulation of colloidal membrane filtration: Principal issues for modeling. <i>Advances in Colloid and Interface Science</i> , 2006, 119, 35-53.	7.0	15

#	ARTICLE	IF	CITATIONS
181	Momentum balance analysis of permeate flux for ultrafiltration in tubular membranes with gradually increasing incidental angles of a wired-rod insert. <i>Journal of Membrane Science</i> , 2006, 278, 205-211.	4.1	7
182	Sustainable flux enhancement in non-circular ceramic membranes on wastewater using the Fenton process. <i>Journal of Membrane Science</i> , 2006, 279, 347-353.	4.1	12
183	Crossflow filtration of washed and unwashed yeast suspensions at constant shear under nominally sub-critical conditions. <i>Journal of Membrane Science</i> , 2006, 280, 89-98.	4.1	58
184	Factors affecting selective rejection of proteins within a binary mixture during cross-flow ultrafiltration. <i>Journal of Membrane Science</i> , 2006, 281, 103-110.	4.1	25
185	Dynamic microfiltration with a vibrating hollow fiber membrane module: Filtration of yeast suspensions. <i>Journal of Membrane Science</i> , 2006, 281, 281-287.	4.1	81
186	Relationship between sludge characteristics and membrane flux determination in submerged membrane bioreactors. <i>Journal of Membrane Science</i> , 2006, 284, 87-94.	4.1	117
187	On-line cake-layer management by trans-membrane pressure steady state assessment in Anaerobic Membrane Bioreactors for wastewater treatment. <i>Biochemical Engineering Journal</i> , 2006, 29, 204-209.	1.8	50
188	Critical flux and rejection behaviour of non-circular-channelled membranes Influence of some operating conditions. <i>Separation and Purification Technology</i> , 2006, 50, 212-219.	3.9	22
189	The influence of operating conditions on permeability changes in a submerged membrane bioreactor. <i>Separation and Purification Technology</i> , 2006, 52, 60-66.	3.9	16
190	Deposition of foulant particles during tangential flow filtration. <i>Journal of Membrane Science</i> , 2006, 271, 101-113.	4.1	39
191	Mass transfer mechanisms and transport resistances in direct contact membrane distillation process. <i>Journal of Membrane Science</i> , 2006, 277, 186-194.	4.1	393
192	Optimization of the membrane and pore design for micro-machined membranes. <i>Journal of Membrane Science</i> , 2006, 278, 239-250.	4.1	29
193	Fractionation of whey-derived peptides using a combination of ultrafiltration and nanofiltration. <i>Journal of Membrane Science</i> , 2006, 280, 418-426.	4.1	69
194	Defining critical flux in submerged membranes: Influence of length-distributed flux. <i>Journal of Membrane Science</i> , 2006, 280, 752-761.	4.1	36
195	Critical flux enhancement in gas assisted microfiltration. <i>Journal of Membrane Science</i> , 2006, 281, 274-280.	4.1	22
196	Theoretical analysis of particle trajectories and sieving in a two-dimensional cross-flow filtration system. <i>Journal of Membrane Science</i> , 2006, 281, 666-675.	4.1	49
197	Mechanisms of colloidal natural organic matter fouling in ultrafiltration. <i>Journal of Membrane Science</i> , 2006, 281, 716-725.	4.1	218
198	Critical flux and particle deposition of bidisperse suspensions during crossflow microfiltration. <i>Journal of Membrane Science</i> , 2006, 282, 189-197.	4.1	57

#	ARTICLE	IF	CITATIONS
199	Variation and prediction of membrane fouling index under various feed water characteristics. <i>Journal of Membrane Science</i> , 2006, 284, 248-254.	4.1	77
200	Fouling in membrane bioreactors used in wastewater treatment. <i>Journal of Membrane Science</i> , 2006, 284, 17-53.	4.1	1,962
201	Water recycling from mixed chromic acid waste effluents by membrane technology. <i>Separation and Purification Technology</i> , 2006, 49, 76-83.	3.9	41
202	Effects of axial baffles in non-circular multi-channel ceramic membranes using organic feed. <i>Separation and Purification Technology</i> , 2006, 51, 233-239.	3.9	23
203	The effect of hydrodynamic conditions and system configurations on the permeate flux in a submerged hollow fiber membrane system. <i>Journal of Membrane Science</i> , 2006, 271, 29-37.	4.1	50
204	Critical and sustainable fluxes: Theory, experiments and applications. <i>Journal of Membrane Science</i> , 2006, 281, 42-69.	4.1	626
205	Effect of Various Cutoff Membranes on Permeate Flux and Quality During Filtration of Mosambi ( <i>Citrus Sinensis</i> (L.) Osbeck) Juice. <i>Food and Bioproducts Processing</i> , 2006, 84, 213-219.	1.8	52
206	Effects of preparation conditions on the surface modification and performance of polyethersulfone ultrafiltration membranes. <i>Journal of Applied Polymer Science</i> , 2006, 99, 2978-2988.	1.3	26
208	Bacterial Community Structure on Membrane Surface and Characteristics of Strains Isolated from Membrane Surface in Submerged Membrane Bioreactor. <i>Separation Science and Technology</i> , 2006, 41, 1527-1549.	1.3	47
209	Pore design and engineering for filters and membranes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006, 364, 161-174.	1.6	52
210	Bench-Scale Testing of Nanofiltration for Seawater Desalination. <i>Journal of Environmental Engineering, ASCE</i> , 2007, 133, 1004-1014.	0.7	41
211	Optimization of Dead-End Membrane Filtration to Treat Tunneling Wastewater using the Sustainable Flux. <i>Separation Science and Technology</i> , 2007, 42, 1701-1718.	1.3	2
212	Fouling Reduction by Graft-Modification with Hydrophilic Polymers. <i>Separation Science and Technology</i> , 2007, 42, 2881-2889.	1.3	7
213	Production of Sludge in a Submerged Membrane Bioreactor and Dewatering Aspects. <i>International Journal of Chemical Reactor Engineering</i> , 2007, 5, .	0.6	1
214	Modeling the impact of permeate flux and hydrodynamic conditions on fouling in submerged hollow fiber membranes. <i>Water Science and Technology: Water Supply</i> , 2007, 7, 111-118.	1.0	5
215	Natural organic matter fouling of low-pressure, hollow-fiber membranes: Effects of NOM source and hydrodynamic conditions. <i>Water Research</i> , 2007, 41, 3823-3832.	5.3	172
216	Sub-critical fouling in a membrane bioreactor for municipal wastewater treatment: Experimental investigation and mathematical modelling. <i>Water Research</i> , 2007, 41, 3903-3914.	5.3	70
218	Membrane Independent Limiting Flux for RO and NF Membranes Fouled by Humic Acid. <i>Environmental Science &amp; Technology</i> , 2007, 41, 4767-4773.	4.6	123

#	ARTICLE	IF	CITATIONS
219	Interrelated Effects of Aeration and Mixed Liquor Fractions on Membrane Fouling for Submerged Membrane Bioreactor Processes in Wastewater Treatment. <i>Environmental Science &amp; Technology</i> , 2007, 41, 2523-2528.	4.6	81
220	Membranes for Bioseparations. , 2007, , 163-183.		3
221	Microfiltration of Concentrated Suspensions of a Microparticulate Ion-Exchange Through a Ceramic Membrane. <i>Separation Science and Technology</i> , 2007, 42, 3003-3010.	1.3	3
222	Influence of the Adopted Pretreatment Process on the Critical Flux Value of Batch Membrane Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2007, 46, 2249-2253.	1.8	31
223	Flux decay in protein microfiltration through charged membranes as a function of pH. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 298, 267-273.	2.3	15
224	Sustainability and membrane processing of wastewater for reuse. <i>Desalination</i> , 2007, 202, 53-58.	4.0	36
225	Clarification of blood orange juice by ultrafiltration: analyses of operating parameters, membrane fouling and juice quality. <i>Desalination</i> , 2007, 212, 15-27.	4.0	126
226	Influence of inorganic scalants and natural organic matter on nanofiltration membrane fouling. <i>Journal of Membrane Science</i> , 2007, 287, 138-145.	4.1	79
227	Fouling of reverse osmosis and nanofiltration membranes by humic acid-Effects of solution composition and hydrodynamic conditions. <i>Journal of Membrane Science</i> , 2007, 290, 86-94.	4.1	328
228	Fouling strategies and the cleaning system of NF membranes and factors affecting cleaning efficiency. <i>Journal of Membrane Science</i> , 2007, 303, 4-28.	4.1	484
229	Flux criticality and sustainability in a hollow fibre submerged membrane bioreactor for municipal wastewater treatment. <i>Journal of Membrane Science</i> , 2007, 289, 241-248.	4.1	116
230	Bioprocess membrane technology. <i>Journal of Membrane Science</i> , 2007, 297, 16-50.	4.1	637
231	Physical properties of activated sludge in a submerged membrane bioreactor and relation with membrane fouling. <i>Separation and Purification Technology</i> , 2007, 55, 125-131.	3.9	48
232	Factors affecting nanofiltration performances in natural organic matter rejection and flux decline. <i>Separation and Purification Technology</i> , 2007, 58, 68-75.	3.9	58
233	Separation of enzymes and yeast cells with a vibrating hollow fiber membrane module. <i>Separation and Purification Technology</i> , 2007, 53, 111-118.	3.9	44
234	Hollow fiber dead-end ultrafiltration: Influence of ionic environment on filtration of alginates. <i>Journal of Membrane Science</i> , 2008, 308, 218-229.	4.1	97
235	Whey protein fouling of large pore-size ceramic microfiltration membranes at small cross-flow velocity. <i>Journal of Membrane Science</i> , 2008, 323, 17-27.	4.1	30
236	Economic aspects of critical flux operability in star shaped microfiltration membranes: Influence of some operating conditions. <i>Journal of Membrane Science</i> , 2008, 325, 641-646.	4.1	12

#	ARTICLE	IF	CITATIONS
237	The effect of imposed flux on biofouling in reverse osmosis: Role of concentration polarisation and biofilm enhanced osmotic pressure phenomena. <i>Journal of Membrane Science</i> , 2008, 325, 840-850.	4.1	122
238	Applicability of the exponential time dependence of flux decline during dead-end ultrafiltration of binary protein solutions. <i>Chemical Engineering Journal</i> , 2008, 145, 211-217.	6.6	24
239	The influence of bubble characteristics on the performance of submerged hollow fiber membrane module used in microfiltration. <i>Separation and Purification Technology</i> , 2008, 61, 89-95.	3.9	37
240	Selective precipitation-assisted recovery of immunoglobulins from bovine serum using controlled-fouling crossflow membrane microfiltration. <i>Biotechnology and Bioengineering</i> , 2008, 101, 957-966.	1.7	25
241	Effect of pore size, shear rate, and harvest time during the constant permeate flux microfiltration of CHO cell culture supernatant. <i>Biotechnology Progress</i> , 2008, 24, 890-897.	1.3	20
242	Filtration method characterizing the reversibility of colloidal fouling layers at a membrane surface: Analysis through critical flux and osmotic pressure. <i>Journal of Colloid and Interface Science</i> , 2008, 320, 483-490.	5.0	29
243	Performance and microbial surveying in submerged membrane bioreactor for seafood processing wastewater treatment. <i>Journal of Membrane Science</i> , 2008, 317, 43-49.	4.1	34
244	The influence of hydrophobicity, roughness and charge upon ultrafiltration membranes for black tea liquor clarification. <i>Journal of Membrane Science</i> , 2008, 313, 250-262.	4.1	78
245	Impact of zeta potential and size of caseins as precursors of fouling deposit on limiting and critical fluxes in spiral ultrafiltration of modified skim milks. <i>Journal of Membrane Science</i> , 2008, 314, 67-75.	4.1	95
246	Implications of critical flux and cake enhanced osmotic pressure (CEOP) on colloidal fouling in reverse osmosis: Experimental observations. <i>Journal of Membrane Science</i> , 2008, 314, 101-111.	4.1	115
247	Effects of several different flux enhancing chemicals on filterability and fouling reduction of membrane bioreactor (MBR) mixed liquors. <i>Journal of Membrane Science</i> , 2008, 320, 57-64.	4.1	118
248	A combined osmotic pressure and cake filtration model for crossflow nanofiltration of natural organic matter. <i>Journal of Membrane Science</i> , 2008, 322, 475-483.	4.1	26
249	Modeling of the permeate flux decline during MF and UF cross-flow filtration of soy sauce lees. <i>Journal of Membrane Science</i> , 2008, 322, 491-502.	4.1	30
250	Novel membrane-based sensor for online membrane integrity monitoring. <i>Journal of Membrane Science</i> , 2008, 323, 113-124.	4.1	25
251	Critical flux of hard sphere suspensions in crossflow filtration: Hydrodynamic force bias Monte Carlo simulations. <i>Journal of Membrane Science</i> , 2008, 323, 67-76.	4.1	10
252	Dynamic shear-enhanced membrane filtration: A review of rotating disks, rotating membranes and vibrating systems. <i>Journal of Membrane Science</i> , 2008, 324, 7-25.	4.1	284
253	Effects of relaxation and backwashing conditions on fouling in membrane bioreactor. <i>Journal of Membrane Science</i> , 2008, 324, 26-32.	4.1	161
254	Role of milk constituents on critical conditions and deposit structure in skimmilk microfiltration (0.1µm). <i>Separation and Purification Technology</i> , 2008, 61, 33-43.	3.9	46



#	ARTICLE	IF	CITATIONS
255	Effects of various factors on critical flux in submerged membrane bioreactors for municipal wastewater treatment. <i>Separation and Purification Technology</i> , 2008, 62, 56-63.	3.9	69
256	A combined photocatalytic slurry reactor-immersed membrane module system for advanced wastewater treatment. <i>Separation and Purification Technology</i> , 2008, 62, 382-388.	3.9	66
257	Membrane technology for advanced wastewater reclamation for sustainable agriculture production. <i>Desalination</i> , 2008, 218, 170-180.	4.0	53
258	The effects of performance and cleaning cycles of new tubular ceramic microfiltration membrane fouled with a model yeast suspension. <i>Desalination</i> , 2008, 220, 273-289.	4.0	36
259	Modeling and simulation of membrane bioreactors by incorporating simultaneous storage and growth concept: an especial attention to fouling while modeling the biological process. <i>Desalination</i> , 2008, 221, 475-482.	4.0	27
260	Fouling of a hollow fibre submerged membrane during longterm filtration of activated sludge. <i>Desalination</i> , 2008, 219, 57-65.	4.0	21
261	Performance comparison of ultrafiltration, nanofiltration and reverse osmosis on whey treatment. <i>Desalination</i> , 2008, 229, 204-216.	4.0	113
262	Effect of operating parameters on the separation of proteins in aqueous solutions by dead-end ultrafiltration. <i>Desalination</i> , 2008, 234, 116-125.	4.0	23
263	A novel submerged rotating membrane bioreactor and reversible membrane fouling control. <i>Desalination</i> , 2008, 228, 255-262.	4.0	30
264	Membrane bioreactor: Distribution of critical flux throughout an immersed HF bundle. <i>Desalination</i> , 2008, 231, 245-252.	4.0	12
265	The role of a membrane performance enhancer in a membrane bioreactor: a comparison with other submerged membrane hybrid systems. <i>Desalination</i> , 2008, 231, 305-313.	4.0	27
266	Comparison of membrane bioreactor systems in wastewater treatment. <i>Desalination</i> , 2008, 231, 61-70.	4.0	15
267	Subcritical fouling behaviour modelling of membrane bioreactors for municipal wastewater treatment: The prediction of the time to reach critical operating condition. <i>Desalination</i> , 2008, 231, 175-181.	4.0	20
268	MBR functioning under steady and unsteady state conditions. Impact on performances and membrane fouling dynamics. <i>Desalination</i> , 2008, 231, 209-218.	4.0	15
269	Prediction of permeate flux and counterion binding during cross-flow micellar-enhanced ultrafiltration. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 318, 125-133.	2.3	15
270	<i>Arthrospira platensis</i> harvesting with membranes: Fouling phenomenon with limiting and critical flux. <i>Bioresource Technology</i> , 2008, 99, 6162-6167.	4.8	48
271	A dual approach of membrane cleaning based on physico-chemistry and hydrodynamics. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 267-275.	1.8	46
272	Technical optimization of a dual ultrafiltration and nanofiltration pilot plant in batch operation by means of the critical flux theory: A case study. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 1165-1170.	1.8	39



#	ARTICLE	IF	CITATIONS
273	Comparison of the performance of submerged membrane bioreactor (SMBR) and submerged membrane adsorption bioreactor (SMABR). <i>Bioresource Technology</i> , 2008, 99, 1012-1017.	4.8	57
274	Evaluation of a novel sponge-submerged membrane bioreactor (SSMBR) for sustainable water reclamation. <i>Bioresource Technology</i> , 2008, 99, 2429-2435.	4.8	79
275	Fouling in air sparged submerged hollow fiber membranes at sub- and super-critical flux conditions. <i>Journal of Membrane Science</i> , 2008, 307, 169-180.	4.1	13
276	Effects of background cations on the fouling of polyethersulfone membranes by natural organic matter: Experimental and molecular modeling study. <i>Journal of Membrane Science</i> , 2008, 309, 128-140.	4.1	169
277	Membrane fouling in a submerged membrane bioreactor (MBR) under sub-critical flux operation: Membrane foulant and gel layer characterization. <i>Journal of Membrane Science</i> , 2008, 325, 238-244.	4.1	324
278	Membrane Separation Technology: Past, Present, and Future. <i>ACS Symposium Series</i> , 2008, , 281-333.	0.5	1
279	Study of Detergent-Mediated Liberation of Hepatitis B Virus-like Particles from <i>S. cerevisiae</i> Homogenate: Identifying a Framework for the Design of Future-Generation Lipoprotein Vaccine Processes. <i>Biotechnology Progress</i> , 2008, 24, 623-631.	1.3	23
280	Study on Membrane Fouling Behavior During Synthetic Refractory Wastewater Treatment Using SMBR with Hollow Fiber Module. <i>Environmental Engineering Science</i> , 2008, 25, 703-712.	0.8	3
281	Development and Optimization of a Carbon Dioxide-Aided Cold Microfiltration Process for the Physical Removal of Microorganisms and Somatic Cells from Skim Milk. <i>Journal of Dairy Science</i> , 2008, 91, 3744-3760.	1.4	46
282	Flux influence on membrane fouling in a membrane bioreactor system under real conditions with urban wastewater. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2008, 43, 1685-1691.	0.9	9
283	Effect of Flocculation on Critical Flux during Crossflow Microfiltration of Bentonite Suspensions. <i>Separation Science and Technology</i> , 2008, 43, 29-44.	1.3	4
284	Effects of Operating Modes on the Rejection Behavior using Ceramic Membranes. <i>Separation Science and Technology</i> , 2008, 43, 3826-3841.	1.3	2
285	A Novel Sponge-Submerged Membrane Bioreactor (SSMBR) for Wastewater Treatment and Reuse. <i>Separation Science and Technology</i> , 2008, 43, 273-285.	1.3	26
286	Fractionation of Pre-Hydrolysis Products from Lignocellulosic Biomass by an Ultrafiltration Ceramic Tubular Membrane. <i>Separation Science and Technology</i> , 2008, 43, 447-476.	1.3	16
287	Influence of Water Compositions and Conditioning on Flux Enhancement in an Immersed Membrane System. <i>Separation Science and Technology</i> , 2008, 43, 1813-1825.	1.3	1
288	Impact of chemical cleaning and air-sparging on the critical and sustainable flux in a flat sheet membrane bioreactor for municipal wastewater treatment. <i>Water Science and Technology</i> , 2008, 57, 1873-1879.	1.2	33
289	Characteristics of membrane fouling in submerged membrane bioreactor under sub-critical flux operation. <i>Water Science and Technology</i> , 2008, 57, 601-605.	1.2	4
290	Applications of Membrane Technology in the Dairy Industry. , 2008, , 635-669.		5

#	ARTICLE	IF	CITATIONS
291	Membrane Bioreactors for Wastewater Treatment. , 2008, , 1007-1022.		0
292	Techniques to Enhance Performance of Membrane Processes. , 2008, , 193-232.		2
293	A cost optimization study of flux and fouling rate for UF in the water industry. Water Science and Technology: Water Supply, 2008, 8, 113-120.	1.0	4
295	Filtration characterization methods in MBR systems: A practical comparison. Desalination and Water Treatment, 2009, 9, 15-21.	1.0	16
296	Direct Visual Observation of Microfiltration Membrane Fouling and Cleaning. , 0, , 9-32.		0
297	Hybrid growth membrane bioreactor (HG-MBR): The indirect impact of sludge retention time on membrane fouling. Desalination and Water Treatment, 2009, 10, 27-32.	1.0	8
299	Developments in Membrane Science for Downstream Processing. , 0, , 245-263.		1
301	Application of Vibratory System to Improve the Critical Flux in Submerged Hollow Fiber MF Process. Separation Science and Technology, 2009, 45, 28-34.	1.3	31
302	Effect of Hexavalent Chromium on Performance of Membrane Bioreactor in Wastewater Treatment. Journal of Environmental Engineering, ASCE, 2009, 135, 796-805.	0.7	6
303	An innovative membrane bioreactor and packed-bed biofilm reactor combined system for shortcut nitrification-denitrification. Journal of Environmental Sciences, 2009, 21, 568-574.	3.2	31
304	Critical flux determination by fluxâ€stepping. AIChE Journal, 2010, 56, 1739-1747.	1.8	22
305	Mimic of a largeâ€scale diafiltration process by using ultra scaleâ€down rotating disc filter. Biotechnology Progress, 2010, 26, 466-476.	1.3	9
306	A vibrating membrane bioreactor (VMBR): Macromolecular transmissionâ€influence of extracellular polymeric substances. Chemical Engineering Science, 2009, 64, 1436-1444.	1.9	34
307	The role of foulantâ€foulant electrostatic interaction on limiting flux for RO and NF membranes during humic acid foulingâ€Theoretical basis, experimental evidence, and AFM interaction force measurement. Journal of Membrane Science, 2009, 326, 526-532.	4.1	138
308	CFD modeling of a transient hollow fiber ultrafiltration system for protein concentration. Journal of Membrane Science, 2009, 337, 136-144.	4.1	44
309	Generalized criteria for identification of fouling mechanism under steady state membrane filtration. Journal of Membrane Science, 2009, 344, 6-13.	4.1	40
310	Cross-flow microfiltration system for rapid enrichment of bacteria in water. Analytical and Bioanalytical Chemistry, 2009, 393, 399-404.	1.9	22
311	CLARIFICATION AND PURIFICATION OF AQUEOUS <i>STEVIA </i>EXTRACT USING MEMBRANE SEPARATION PROCESS. Journal of Food Process Engineering, 2009, 32, 338-354.	1.5	39

#	ARTICLE	IF	CITATIONS
312	Identification of sustainable flux in the process of using flat-sheet membrane for simultaneous thickening and digestion of waste activated sludge. <i>Journal of Hazardous Materials</i> , 2009, 162, 1397-1403.	6.5	20
313	Chemical cleaning of polycarbonate membranes fouled by BSA/dextran mixtures. <i>Journal of Membrane Science</i> , 2009, 327, 59-68.	4.1	21
314	Novel approach for the analysis of bench-scale, low pressure membrane fouling in water treatment. <i>Journal of Membrane Science</i> , 2009, 334, 1-8.	4.1	58
315	Enrichment of Î±-lactalbumin from diluted whey with polymeric ultrafiltration membranes. <i>Journal of Membrane Science</i> , 2009, 337, 248-256.	4.1	30
316	Ultrafiltration concentration of monoclonal antibody solutions: Development of an optimized method minimizing aggregation. <i>Journal of Membrane Science</i> , 2009, 342, 50-59.	4.1	63
317	Purification of protease from pre-treated tuna spleen extract by ultrafiltration: An altered operational mode involving critical flux condition and diafiltration. <i>Separation and Purification Technology</i> , 2009, 66, 368-374.	3.9	19
318	Fouling models for low-pressure membrane systems. <i>Separation and Purification Technology</i> , 2009, 68, 293-304.	3.9	65
319	Analysis of membrane pore blocking models adapted to crossflow ultrafiltration in the ultrafiltration of PEG. <i>Chemical Engineering Journal</i> , 2009, 149, 232-241.	6.6	123
320	Fouling in MBR: What use are lab investigations for full scale operation?. <i>Desalination</i> , 2009, 236, 94-103.	4.0	76
321	On the effect of flocculation as pretreatment process and particle size distribution for membrane fouling reduction. <i>Desalination</i> , 2009, 240, 209-217.	4.0	93
322	Microfiltration of suspensions of microparticulate boron adsorbent through a ceramic membrane. <i>Desalination</i> , 2009, 241, 148-155.	4.0	23
323	The convective model of flux prediction in a hollow-fiber module for a steady-state cross-flow microfiltration system. <i>Desalination</i> , 2009, 238, 192-209.	4.0	8
324	Treatment of beverage production wastewater by membrane bioreactor. <i>Desalination</i> , 2009, 246, 285-293.	4.0	24
325	Optimization of a nanofiltration membrane process for tomato industry wastewater effluent treatment. <i>Desalination</i> , 2009, 245, 314-320.	4.0	55
326	Ultrafiltration in a tubular membrane inserted concentrically with a solid rod of varying radius for improved performance. <i>Desalination</i> , 2009, 247, 476-489.	4.0	2
327	Critical flux in submerged membrane bioreactors for municipal wastewater treatment. <i>Desalination</i> , 2009, 245, 748-753.	4.0	36
328	On the origin of flux dependence in pH-modified skim milk filtration. <i>Dairy Science and Technology</i> , 2009, 89, 363-385.	2.2	21
329	Limitations of resistance-in-series model for fouling analysis in membrane bioreactors: A cautionary note. <i>Desalination and Water Treatment</i> , 2009, 8, 31-36.	1.0	19

#	ARTICLE	IF	CITATIONS
330	Cleaning kinetics and related mechanisms of <i>Bacillus cereus</i> spore removal during an alkaline cleaning of a tubular ceramic microfiltration membrane. <i>Desalination and Water Treatment</i> , 2009, 5, 235-251.	1.0	5
331	Ultrafiltration of oily water under different conditions, considering critical and limiting flux. <i>Desalination and Water Treatment</i> , 2009, 9, 119-125.	1.0	5
332	Submerged microfiltration coupled with physico-chemical processes as pretreatment to sea water desalination. <i>Desalination and Water Treatment</i> , 2009, 11, 52-57.	1.0	6
333	State of art of the application of membrane technology to vegetable oils: A review. <i>Food Research International</i> , 2009, 42, 536-550.	2.9	152
334	Modification of poly(vinylidene fluoride) ultrafiltration membranes with poly(vinyl alcohol) for fouling control in drinking water treatment. <i>Water Research</i> , 2009, 43, 4559-4568.	5.3	192
335	A Review of Membrane Fouling in MBRs: Characteristics and Role of Sludge Cake Formed on Membrane Surfaces. <i>Separation Science and Technology</i> , 2009, 44, 3571-3596.	1.3	84
336	Flux recovery of tubular ceramic membranes fouled with whey proteins. <i>Desalination</i> , 2009, 249, 293-300.	4.0	16
337	A critical flux to avoid biofouling of spiral wound nanofiltration and reverse osmosis membranes: Fact or fiction?. <i>Journal of Membrane Science</i> , 2009, 326, 36-44.	4.1	85
338	Estimation of the gel layer concentration in ultrafiltration: Comparison of different methods. <i>Desalination and Water Treatment</i> , 2009, 3, 157-161.	1.0	5
339	Polymer Membranes for Sustainable Technologies. <i>Handbook of Environmental Chemistry</i> , 2009, , 281-297.	0.2	0
340	Membrane Fouling in Coagulation - Microfiltration Treatment Wastewater Containing Silver. , 2010, , .		0
341	Simulation and mechanisms of aeration impacts on the permeate flux in submerged membrane systems. <i>Desalination and Water Treatment</i> , 2010, 18, 277-285.	1.0	4
342	Quantification of transient flux decline during membrane separation of tanning effluent from tannery. <i>International Journal of Environmental Engineering</i> , 2010, 2, 31.	0.1	0
344	Membrane Bioreactor for the treatment of natural rubber wastewater. <i>International Journal of Environmental Engineering</i> , 2010, 2, 92.	0.1	13
345	Study of critical flux in ultrafiltration of seawater: New measurement and sub- and super-critical flux operations. <i>Chemical Engineering Journal</i> , 2010, 165, 102-110.	6.6	11
346	Membrane fouling properties under different filtration modes in a submerged membrane bioreactor. <i>Process Biochemistry</i> , 2010, 45, 1699-1706.	1.8	31
347	The impact of deflocculationâ€“reflocculation on fouling in membrane bioreactors. <i>Separation and Purification Technology</i> , 2010, 71, 279-284.	3.9	46
348	Analysis of ultrafiltration processes with dilatant macromolecular solutions by means of dimensionless numbers and hydrodynamic parameters. <i>Separation and Purification Technology</i> , 2010, 75, 332-339.	3.9	10

#	ARTICLE	IF	CITATIONS
349	Membrane fouling in membrane bioreactorsâ€”Characterisation, contradictions, cause and cures. <i>Journal of Membrane Science</i> , 2010, 363, 1-28.	4.1	766
350	Corn syrup clarification by microfiltration with ceramic membranes. <i>Journal of Membrane Science</i> , 2010, 363, 87-95.	4.1	36
351	Determination of critical flux by mass balance technique combined with direct observation image analysis. <i>Journal of Membrane Science</i> , 2010, 365, 106-113.	4.1	18
352	Mechanism of Permeate Flux Decline during Microfiltration of Watermelon ( <i>Citrullus lanatus</i> ) Juice. <i>Food and Bioprocess Technology</i> , 2010, 3, 545-553.	2.6	52
353	Inclining filtration and enhanced backwash for initial fouling control in microfiltration. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 1565-1569.	1.2	1
354	Determining foulingâ€™s independent component of critical flux in protein ultrafiltration using the freeâ€™solventâ€™based (FSB) model. <i>AIChE Journal</i> , 2010, 56, 2756-2759.	1.8	26
355	A new parameter for membrane cleaning evaluation. <i>Separation and Purification Technology</i> , 2010, 73, 286-293.	3.9	35
356	A fouling model for steady state crossflow membrane filtration considering sequential intermediate pore blocking and cake formation. <i>Separation and Purification Technology</i> , 2010, 75, 222-228.	3.9	64
357	Biofouling in spiral wound membrane systems: Three-dimensional CFD model based evaluation of experimental data. <i>Journal of Membrane Science</i> , 2010, 346, 71-85.	4.1	105
358	Cross-flow microfiltration of rough non-alcoholic beer and diluted malt extract with tubular ceramic membranes: Investigation of fouling mechanisms. <i>Journal of Membrane Science</i> , 2010, 362, 306-316.	4.1	36
359	In situ quantification of membrane foulant accumulation by reflectometry. <i>Journal of Membrane Science</i> , 2010, 362, 453-459.	4.1	9
360	Clarification of aqueous corn extracts by tangential flow microfiltration. <i>Journal of Membrane Science</i> , 2010, 365, 123-129.	4.1	6
361	A microfluidic membrane chip for in situ fouling characterization. <i>Journal of Membrane Science</i> , 2010, 346, 202-207.	4.1	36
362	Influence of membrane properties on fouling in submerged membrane bioreactors. <i>Journal of Membrane Science</i> , 2010, 348, 66-74.	4.1	133
363	Effect of sludge characteristics on membrane fouling in membrane bioreactors. <i>Journal of Membrane Science</i> , 2010, 349, 287-294.	4.1	96
364	Coupled effects of internal concentration polarization and fouling on flux behavior of forward osmosis membranes during humic acid filtration. <i>Journal of Membrane Science</i> , 2010, 354, 123-133.	4.1	688
365	Evaluation of backwash efficiency, definition of remaining fouling and characterisation of its contribution in irreversible fouling: Case of drinking water production by air-assisted ultra-filtration. <i>Journal of Membrane Science</i> , 2010, 355, 104-111.	4.1	44
366	Application of NF-RDM (nanofiltration rotating disk membrane) module under extreme hydraulic conditions for the treatment of dairy wastewater. <i>Chemical Engineering Journal</i> , 2010, 163, 307-316.	6.6	91

#	ARTICLE	IF	CITATIONS
367	Inorganic fouling of pressure-driven membrane processes – A critical review. <i>Desalination</i> , 2010, 250, 236-248.	4.0	367
368	Effects of the sludge reduction system in MBR on the membrane permeability. <i>Desalination</i> , 2010, 250, 601-604.	4.0	21
369	Investigation of membrane fouling in cross flow microfiltration of non-alcoholic beer and modeling of tubular membrane flow. <i>Desalination</i> , 2010, 251, 20-28.	4.0	14
370	Clarification of raw rice wine by ceramic microfiltration membranes and membrane fouling analysis. <i>Desalination</i> , 2010, 256, 166-173.	4.0	33
371	Contribution of fouling and gel polarization during ultrafiltration of raw apple juice at industrial scale. <i>Desalination</i> , 2010, 258, 194-200.	4.0	39
372	Fundamentals of Cross-Flow Microfiltration. , 2010, , 141-153.		1
373	Permeate-Flux Declination for Ultrafiltration along Membrane Tubes. <i>Separation Science and Technology</i> , 2010, 45, 1995-2003.	1.3	2
374	Filterability assessment in membrane bioreactors using an in-situ filtration test cell. <i>Water Science and Technology</i> , 2010, 61, 2809-2816.	1.2	16
375	Selection and Design of Membrane Bioreactors in Environmental Bioengineering. , 2010, , 439-516.		8
376	Low-pressure membrane integrity tests for drinking water treatment: A review. <i>Water Research</i> , 2010, 44, 41-57.	5.3	163
377	Study of a membrane bioreactor with glass fiber flat grille modules and the modules' optimization based on the local critical flux theory. <i>Water Research</i> , 2010, 44, 997-1005.	5.3	15
378	Relationships of activated sludge characteristics to fouling rate and critical flux in membrane bioreactors for wastewater treatment. <i>Chemosphere</i> , 2010, 79, 149-155.	4.2	18
379	Produced Water Treatment by Micellar-Enhanced Ultrafiltration. <i>Environmental Science &amp; Technology</i> , 2010, 44, 1767-1772.	4.6	66
380	Criticality of Flux and Aeration for a Hollow Fiber Membrane Bioreactor. <i>Separation Science and Technology</i> , 2010, 45, 956-961.	1.3	20
381	Various operating conditions affecting the performance of aerobic digestion coupled with membrane filtration. <i>Desalination and Water Treatment</i> , 2011, 34, 336-343.	1.0	7
382	Influence of suspension concentration and transmembrane pressure on microfiltration of montmorillonite based suspension. <i>Desalination and Water Treatment</i> , 2011, 34, 163-166.	1.0	0
383	Electro-microfiltration of the mineral particles in dairy processing. <i>Desalination and Water Treatment</i> , 2011, 34, 123-128.	1.0	0
384	Review of fouling by mixed feeds in membrane filtration applied to water purification. <i>Desalination and Water Treatment</i> , 2011, 35, 68-81.	1.0	28

#	ARTICLE	IF	CITATIONS
385	Cold Plasma Surface Treatment of UHMWPE Membranes to Improve Fouling Characteristics. <i>Polymer-Plastics Technology and Engineering</i> , 2011, 50, 466-473.	1.9	6
386	Effect of the concentration polarization on the fouling driving force of UF membranes. <i>Desalination and Water Treatment</i> , 2011, 31, 54-58.	1.0	2
387	Impact of Protein Interactions and Transmembrane Pressure on Physical Properties of Filter Cakes Formed during Filtrations of Skim Milk. <i>Procedia Food Science</i> , 2011, 1, 886-892.	0.6	24
388	Purification of Aquacultural Water: Conventional and New Membrane-based Techniques. <i>Separation and Purification Reviews</i> , 2011, 40, 126-160.	2.8	32
389	Fouling of ultrafiltration membrane during secondary effluent filtration. <i>Desalination and Water Treatment</i> , 2011, 30, 289-294.	1.0	6
390	Composites of functional polymeric hydrogels and porous membranes. <i>Journal of Materials Chemistry</i> , 2011, 21, 2783-2811.	6.7	186
391	Submerged anaerobic membrane bioreactor for low-strength wastewater treatment: Effect of HRT and SRT on treatment performance and membrane fouling. <i>Water Research</i> , 2011, 45, 705-713.	5.3	360
392	Effect of temperature shocks on membrane fouling in membrane bioreactors. <i>Water Research</i> , 2011, 45, 4491-4500.	5.3	91
393	Relationship between types of surface shear stress profiles and membrane fouling. <i>Water Research</i> , 2011, 45, 6403-6416.	5.3	57
395	Membrane Biological Reactors. , 2011, , 571-613.		24
396	Pilot-scale crossflow-microfiltration and pasteurization to remove spores of <i>Bacillus anthracis</i> (Sterne) from milk. <i>Journal of Dairy Science</i> , 2011, 94, 4277-4291.	1.4	49
397	Effect of aeration on the critical flux of immersed ultrafiltration membrane for drinking water treatment. , 2011, , .		0
398	Pilot-scale isolation of bioactive extracellular polymeric substances from cell-free media of mass microalgal cultures using tangential-flow ultrafiltration. <i>Process Biochemistry</i> , 2011, 46, 1104-1109.	1.8	46
399	Experimental Study of Fouling and Cleaning of Sintered Stainless Steel Membrane in Electro-Microfiltration of Calcium Salt Particles. <i>Membranes</i> , 2011, 1, 119-131.	1.4	8
400	Beer Clarification with polysulfone membrane and study on fouling mechanism. <i>Brazilian Archives of Biology and Technology</i> , 2011, 54, 1335-1342.	0.5	3
401	Membrane-Based Desalination. <i>Water Intelligence Online</i> , 2011, 10, 9781780400914.	0.3	5
402	Clarification of tomato juice by cross-flow microfiltration. <i>International Journal of Food Science and Technology</i> , 2011, 46, 138-145.	1.3	15
403	INFLUENCE OF OPERATING PARAMETERS ON CLARIFICATION OF CARROT JUICE BY MICROFILTRATION PROCESS. <i>Journal of Food Process Engineering</i> , 2011, 34, 860-877.	1.5	8



#	ARTICLE	IF	CITATIONS
404	Cross-flow microfiltration applied to oenology: A review. <i>Journal of Membrane Science</i> , 2011, 382, 1-19.	4.1	127
405	Microfiltration of deforming oil droplets on a slotted pore membrane and sustainable flux rates. <i>Journal of Membrane Science</i> , 2011, 382, 271-277.	4.1	23
406	Cross-flow microfiltration of wine: Effect of colloids on critical fouling conditions. <i>Journal of Membrane Science</i> , 2011, 385-386, 177-186.	4.1	31
407	Cell adhesion and related fouling mechanism on a tubular ceramic microfiltration membrane using <i>Bacillus cereus</i> spores. <i>Journal of Membrane Science</i> , 2011, 385-386, 200-216.	4.1	28
408	Application of submerged hollow fiber membrane in membrane bioreactors: Filtration principles, operation, and membrane fouling. <i>Desalination</i> , 2011, 283, 31-39.	4.0	43
409	Modelling of permeability loss in membrane filtration: Re-examination of fundamental fouling equations and their link to critical flux. <i>Desalination</i> , 2011, 283, 68-74.	4.0	62
410	Critical flux enhancement in electrically assisted microfiltration. <i>Separation and Purification Technology</i> , 2011, 78, 62-68.	3.9	22
411	Critical, sustainable and threshold fluxes for membrane filtration with water industry applications. <i>Advances in Colloid and Interface Science</i> , 2011, 164, 38-44.	7.0	281
412	Recovery of lactoferrin from whey using cross-flow cation exchange mixed matrix membrane chromatography. <i>Separation and Purification Technology</i> , 2011, 77, 68-75.	3.9	42
413	Colloidal interactions and fouling of NF and RO membranes: A review. <i>Advances in Colloid and Interface Science</i> , 2011, 164, 126-143.	7.0	559
414	Assessments of critical flux in a pilot-scale membrane bioreactor. <i>Bioresource Technology</i> , 2011, 102, 5370-5374.	4.8	18
415	Implications of short and long term critical flux experiments for laboratory-scale MBR operations. <i>Bioresource Technology</i> , 2011, 102, 5361-5369.	4.8	40
416	Concentration of ginseng extracts aqueous solution by vacuum membrane distillation 2. Theory analysis of critical operating conditions and experimental confirmation. <i>Desalination</i> , 2011, 267, 147-153.	4.0	34
417	Submerged hollow fiber ultrafiltration as seawater pretreatment in the logic of integrated membrane desalination systems. <i>Desalination</i> , 2011, 269, 128-135.	4.0	53
418	Study of the contribution of the main pollutants in the oilfield polymer-flooding wastewater to the critical flux. <i>Desalination</i> , 2011, 273, 375-385.	4.0	34
419	A combined pore blockage, osmotic pressure, and cake filtration model for crossflow nanofiltration of natural organic matter and inorganic salts. <i>Desalination</i> , 2011, 274, 182-191.	4.0	19
420	Analysis of fouling resistances under dynamic membrane filtration. <i>Chemical Engineering and Processing: Process Intensification</i> , 2011, 50, 404-408.	1.8	11
421	Effect of highly concentrated salt on retention of organic solutes by nanofiltration polymeric membranes. <i>Journal of Membrane Science</i> , 2011, 372, 145-153.	4.1	116



#	ARTICLE	IF	CITATIONS
422	Dead-end and tangential ultrafiltration of natural salted water: Influence of operating parameters on specific energy consumption. <i>Journal of Membrane Science</i> , 2011, 380, 192-198.	4.1	32
423	Ultrafiltration of orange press liquor: Optimization for permeate flux and fouling index by response surface methodology. <i>Separation and Purification Technology</i> , 2011, 80, 1-10.	3.9	59
424	Effect of gas sparging on flux enhancement and phytochemical properties of clarified pineapple juice by microfiltration. <i>Separation and Purification Technology</i> , 2011, 80, 445-451.	3.9	36
425	Effect of gradually varying baffled-ring distance on ultrafiltration in tubular membranes inserted concentrically with a ring rod. <i>Desalination and Water Treatment</i> , 2011, 26, 236-242.	1.0	2
426	Optimisation of batch membrane processes for the removal of residual heavy metal contamination in pretreated marine sediment. <i>Chemistry and Ecology</i> , 2011, 27, 171-179.	0.6	2
427	New method on assessment of membrane fouling potential -UMFI. , 2011, , .		0
428	Study on wastewater treatment by integrated plate membrane bioreactor. , 2011, , .		0
429	Study on emergency algae removal under high flux in an ultrafiltration waterplant. , 2011, , .		0
430	Effect of operation conditions on fouling of immersed ultrafiltration membrane for drinking water treatment of surface water. , 2011, , .		0
431	How to Optimize Hollow-Fiber Submerged Membrane Bioreactors. <i>Water Environment Research</i> , 2012, 84, 115-119.	1.3	5
432	New approaches to characterizing and understanding biofouling of spiral wound membrane systems. <i>Water Science and Technology</i> , 2012, 66, 88-94.	1.2	22
433	Fluxes in reverse osmosis of model acidic and alkaline transient effluents issued from skim milk filtration. <i>Desalination and Water Treatment</i> , 2012, 43, 52-62.	1.0	2
434	Removal Efficiency and Integrity Monitoring Techniques for Virus Removal by Membrane Processes. <i>Critical Reviews in Environmental Science and Technology</i> , 2012, 42, 891-933.	6.6	94
435	Coagulation/Ultrafiltration Process for Treatment of Da Huofang Reservoir Water in Low Temperature and Low Turbidity Period. <i>Advanced Materials Research</i> , 0, 610-613, 2090-2095.	0.3	0
436	Anaerobic Membrane Bioreactors (ANMBR) for Sludge Digestion: TWAS Versus Mixed Sludge. <i>Proceedings of the Water Environment Federation</i> , 2012, 2012, 1011-1023.	0.0	0
437	Stability of skim latex suspension and rubber content recovery by microfiltration process: operating conditions and fouling characteristics. <i>Desalination and Water Treatment</i> , 2012, 45, 70-78.	1.0	3
440	Membrane Applications in Fruit Processing Technologies. <i>Contemporary Food Engineering</i> , 2012, , 87-148.	0.2	2
441	Fouling inhibition upon Fenton-like oxidation pretreatment for olive mill wastewater reclamation by membrane process. <i>Chemical Engineering and Processing: Process Intensification</i> , 2012, 62, 89-98.	1.8	30

#	ARTICLE	IF	CITATIONS
442	Fouling characteristics of a novel rotating tubular membrane bioreactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2012, 62, 39-46.	1.8	35
443	Modeling of fouling layer deposition in cross-flow microfiltration during tomato juice clarification. <i>Food and Bioproducts Processing</i> , 2012, 90, 841-848.	1.8	58
444	Investigations of Cake Fouling During the Cross-Flow Microfiltration of a Model Suspension: Influence of Buoyancy on Deposition and Shear-Induced Removal. <i>Procedia Engineering</i> , 2012, 44, 603-606.	1.2	2
445	Cleanability Versus Limiting and Critical Fluxes of a Polyethersulfone Membrane of Skim Milk Ultrafiltration. <i>Procedia Engineering</i> , 2012, 44, 72-74.	1.2	2
446	Dead-end Filtration of Sponge-like Colloids: The Case of Casein Micelle. <i>Procedia Engineering</i> , 2012, 44, 1820-1822.	1.2	0
447	Influence of total solids concentration on membrane permeability in a submerged hollow-fibre anaerobic membrane bioreactor. <i>Water Science and Technology</i> , 2012, 66, 377-384.	1.2	10
448	Clarification of pomegranate juice by ultrafiltration: study of juice quality and of the fouling mechanism. <i>Fruits</i> , 2012, 67, 215-225.	0.3	33
449	In Situ Characterization by SAXS of Concentration Polarization Layers during Cross-Flow Ultrafiltration of Laponite Dispersions. <i>Langmuir</i> , 2012, 28, 1083-1094.	1.6	30
450	Tubular Membrane Filtration with A Side Stream and its Intermittent Backwash Operation. <i>Separation Science and Technology</i> , 2012, 47, 1689-1697.	1.3	3
451	Visualization of Models Predicting Transmembrane Pressure Jump for Membrane Bioreactor. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 9679-9686.	1.8	12
452	Limitations for transferring lab-scale microfiltration results to large-scale membrane bioreactor (MBR) processes. <i>Separation and Purification Technology</i> , 2012, 95, 202-215.	3.9	11
453	Water hammer reduces fouling during natural water ultrafiltration. <i>Water Research</i> , 2012, 46, 1113-1120.	5.3	11
454	Analysis of fouling mechanisms in anaerobic membrane bioreactors. <i>Water Research</i> , 2012, 46, 2637-2650.	5.3	139
455	Automatic control systems for submerged membrane bioreactors: A state-of-the-art review. <i>Water Research</i> , 2012, 46, 3421-3433.	5.3	62
456	Dead-end filtration of sponge-like colloids: The case of casein micelle. <i>Journal of Membrane Science</i> , 2012, 417-418, 10-19.	4.1	37
457	Membrane bioreactor: TMP rise and characterization of bio-cake structure using CLSM-image analysis. <i>Journal of Membrane Science</i> , 2012, 419-420, 33-41.	4.1	67
458	Effects of solvent compositions on physicochemical properties and anti-fouling ability of PVDF microfiltration membranes for wastewater treatment. <i>Desalination</i> , 2012, 297, 79-86.	4.0	98
459	A unified model for quantification of concentration polarization (CP) of particles during cross-flow membrane filtration. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 407, 99-107.	2.3	13

#	ARTICLE	IF	CITATIONS
460	Effect of membrane length, membrane resistance, and filtration conditions on the fractionation of milk proteins by microfiltration. <i>Journal of Dairy Science</i> , 2012, 95, 1590-1602.	1.4	59
461	Microfiltration performance with two-phase flow. <i>Separation and Purification Technology</i> , 2012, 98, 165-173.	3.9	4
462	Sub-critical long-term operation of industrial scale hollow-fibre membranes in a submerged anaerobic MBR (HF-SAnMBR) system. <i>Separation and Purification Technology</i> , 2012, 100, 88-96.	3.9	25
463	Experimental investigation of pore clogging by microparticles: Evidence for a critical flux density of particle yielding arches and deposits. <i>Separation and Purification Technology</i> , 2012, 101, 42-48.	3.9	80
464	Batch membrane treatment of olive vegetation wastewater from two-phase olive oil production process by threshold flux based methods. <i>Separation and Purification Technology</i> , 2012, 101, 34-41.	3.9	50
465	Effect of enzymatic treatment on the cross-flow microfiltration of a Æsa Æ-pulp: Analysis of the fouling and recovery of phytochemicals. <i>Journal of Food Engineering</i> , 2012, 113, 442-452.	2.7	26
466	Reverse-flow diafiltration for continuous in situ product recovery. <i>Journal of Membrane Science</i> , 2012, 421-422, 39-50.	4.1	18
467	Anaerobic membrane bioreactors for treating waste activated sludge: Short term membrane fouling characterization and control tests. <i>Journal of Membrane Science</i> , 2012, 421-422, 103-110.	4.1	25
469	Microfiltration. , 2012, , 101-141.		6
470	Analysis of the Membrane Fouling Mechanisms Involved in Clarified Grape Juice Ultrafiltration Using Statistical Tools. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 4017-4024.	1.8	30
471	Pore blocking mechanism for the recovery of milk solids from dairy wastewater by ultrafiltration. <i>Brazilian Journal of Chemical Engineering</i> , 2012, 29, 393-407.	0.7	56
472	EFFECT OF THE MEMBRANE CHARACTERISTICS AND OPERATION MODES, IN THE FOULING OF ULTRAFILTRATION MEMBRANES BY NATURAL ORGANIC MATTER (NOM). <i>Journal of the Chilean Chemical Society</i> , 2012, 57, 1083-1086.	0.5	4
473	Biorreator Æ membrana em batelada sequencial aplicado ao tratamento de esgoto visando Æ remo Æo de nutrientes. <i>Engenharia Sanitaria E Ambiental</i> , 2012, 17, 143-154.	0.1	2
474	Membrane Separation Process in Wastewater Treatment of Food Industry. , 0, , .		12
475	A combined complete pore blocking and cake filtration model for steady Æstate electric field Æassisted ultrafiltration. <i>AIChE Journal</i> , 2012, 58, 1435-1446.	1.8	16
476	Dynamic in-series resistance modeling and analysis of a submerged membrane bioreactor using a novel filtration mode. <i>Desalination</i> , 2012, 285, 285-294.	4.0	28
477	More fouling resistant modified PVDF ultrafiltration membranes for water treatment. <i>Desalination</i> , 2012, 287, 247-254.	4.0	49
478	Low-cost monofilament mesh filter used in membrane bioreactor process: Filtration characteristics and resistance analysis. <i>Desalination</i> , 2012, 286, 429-435.	4.0	28

#	ARTICLE	IF	CITATIONS
479	Sub-critical filtration conditions of commercial hollow-fibre membranes in a submerged anaerobic MBR (HF-SAnMBR) system: The effect of gas sparging intensity. <i>Bioresource Technology</i> , 2012, 114, 247-254.	4.8	60
480	Microfiltration of algae ( <i>Chlorella sorokiniana</i> ): Critical flux, fouling and transmission. <i>Journal of Membrane Science</i> , 2012, 387-388, 83-92.	4.1	116
481	Determination of fouling-related critical flux in self-forming dynamic membrane bioreactors: Interference of membrane compressibility. <i>Journal of Membrane Science</i> , 2012, 390-391, 113-120.	4.1	35
482	In situ product recovery: Submerged membranes vs. external loop membranes. <i>Journal of Membrane Science</i> , 2012, 394-395, 1-36.	4.1	89
483	Recent developments in forward osmosis: Opportunities and challenges. <i>Journal of Membrane Science</i> , 2012, 396, 1-21.	4.1	1,141
484	Online monitoring of particle fouling in a submerged membrane filtration system using a photointerrupt sensor array. <i>Journal of Membrane Science</i> , 2012, 407-408, 58-70.	4.1	11
485	Application of low frequency transverse vibration on fouling limitation in submerged hollow fibre membranes. <i>Journal of Membrane Science</i> , 2012, 409-410, 54-65.	4.1	79
486	Threshold flux for shear-enhanced nanofiltration: Experimental observation in dairy wastewater treatment. <i>Journal of Membrane Science</i> , 2012, 409-410, 276-284.	4.1	76
487	Modeling approach to determine cake buildup and compression in a high-shear membrane bioreactor. <i>Journal of Membrane Science</i> , 2012, 409-410, 335-345.	4.1	29
488	In situ investigation of fouling behavior in submerged hollow fiber membrane module under sub-critical flux operation via ultrasonic time domain reflectometry. <i>Journal of Membrane Science</i> , 2012, 411-412, 137-145.	4.1	29
489	Recent advances in membrane bio-technologies for sludge reduction and treatment. <i>Biotechnology Advances</i> , 2013, 31, 1187-1199.	6.0	78
491	Potential Foulants and Fouling Indicators in MBRs: A Critical Review. <i>Separation Science and Technology</i> , 2013, 48, 22-50.	1.3	52
492	Development of a new technique to predict reverse osmosis fouling. <i>Journal of Membrane Science</i> , 2013, 448, 12-22.	4.1	21
493	Fractionation of $\hat{1}$ -Lactalbumin and $\hat{2}$ -Lactoglobulin from Whey Protein Isolate Using Selective Thermal Aggregation, an Optimized Membrane Separation Procedure and Resolubilization Techniques at Pilot Plant Scale. <i>Food and Bioprocess Technology</i> , 2013, 6, 1032-1043.	2.6	129
494	Bio-fouling reducers for improving the performance of an aerobic submerged membrane bioreactor treating palm oil mill effluent. <i>Desalination</i> , 2013, 316, 146-153.	4.0	46
495	Thermoresponsive ultrafiltration membranes for the switchable permeation and fractionation of nanoparticles. <i>Journal of Membrane Science</i> , 2013, 448, 1-11.	4.1	64
496	Analysis of Two Ultrafiltration Fouling Models and Estimation of Model Parameters as a Function of Operational Conditions. <i>Transport in Porous Media</i> , 2013, 99, 391-411.	1.2	11
497	Particle migration leads to deposition-free fractionation. <i>Journal of Membrane Science</i> , 2013, 440, 58-66.	4.1	12

#	ARTICLE	IF	CITATIONS
498	Effect of Coagulant Agents on Oily Wastewater Treatment Performance Using Mullite Ceramic MF Membranes: Experimental and Modeling Studies. Chinese Journal of Chemical Engineering, 2013, 21, 1251-1259.	1.7	17
499	Dynamic filtration “ A novel approach for critical flux determination using different textiles. Separation and Purification Technology, 2013, 120, 410-414.	3.9	10
500	Physical and statistical model for predicting a transmembrane pressure jump for a membrane bioreactor. Chemometrics and Intelligent Laboratory Systems, 2013, 121, 66-74.	1.8	14
501	Characterization of fluid dynamics in spacer-filled channels for membrane filtration using Doppler optical coherence tomography. Journal of Membrane Science, 2013, 448, 198-208.	4.1	50
504	On analysis and modeling of cross-flow membrane filtration of particle suspensions. Current Opinion in Chemical Engineering, 2013, 2, 245-254.	3.8	5
505	Purification of triacylglycerols for biodiesel production from Nannochloropsis microalgae by membrane technology. Bioresource Technology, 2013, 140, 172-178.	4.8	34
506	A chemometric approach to prediction of transmembrane pressure in membrane bioreactors. Chemometrics and Intelligent Laboratory Systems, 2013, 126, 30-37.	1.8	11
507	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.	6.5	40
508	Elaboration of new ceramic membrane from spherical fly ash for microfiltration of rigid particle suspension and oil-in-water emulsion. Desalination, 2013, 311, 113-126.	4.0	101
509	Factors that affect the permeability of commercial hollow-fibre membranes in a submerged anaerobic MBR (HF-SAnMBR) system. Water Research, 2013, 47, 1277-1288.	5.3	68
510	Flow-induced particle migration in microchannels for improved microfiltration processes. Microfluidics and Nanofluidics, 2013, 15, 451-465.	1.0	22
511	CRITICAL FLUX DETERMINATION IN ULTRAFILTRATION OF WASTEWATER FROM A FOOD INDUSTRY BY OPTIMIZATION METHOD. Chemical Engineering Communications, 2013, 200, 163-177.	1.5	9
512	Separation process for very concentrated emulsions and suspensions in the food industry. Innovative Food Science and Emerging Technologies, 2013, 18, 177-182.	2.7	16
513	Designing magnetic field responsive nanofiltration membranes. Journal of Membrane Science, 2013, 430, 70-78.	4.1	79
514	Flux behavior in clarification of chicory juice by high-shear membrane filtration: Evidence for threshold flux. Journal of Membrane Science, 2013, 435, 120-129.	4.1	75
515	Advanced control system for optimal filtration in submerged anaerobic MBRs (SAnMBRs). Journal of Membrane Science, 2013, 430, 330-341.	4.1	26
516	Piezoelectric membranes for separation processes: Operating conditions and filtration performance. Journal of Membrane Science, 2013, 435, 226-232.	4.1	54
517	Transient critical flux due to coupling of fouling mechanisms during crossflow microfiltration of beer. Journal of Membrane Science, 2013, 435, 21-37.	4.1	17

#	ARTICLE	IF	CITATIONS
518	Contribution of a submerged membrane bioreactor in the treatment of synthetic effluent contaminated by Bisphenol-A: Mechanism of BPA removal and membrane fouling. <i>Environmental Pollution</i> , 2013, 180, 229-235.	3.7	18
519	Direct microscopic observation of forward osmosis membrane fouling by microalgae: Critical flux and the role of operational conditions. <i>Journal of Membrane Science</i> , 2013, 436, 174-185.	4.1	122
520	Effects of aluminum hydrolysis products and natural organic matter on nanofiltration fouling with PACl coagulation pretreatment. <i>Separation and Purification Technology</i> , 2013, 120, 78-85.	3.9	20
521	Development and start up of a gas-lift anaerobic membrane bioreactor (GI-AnMBR) for conversion of sewage to energy, water and nutrients. <i>Journal of Membrane Science</i> , 2013, 441, 158-167.	4.1	54
522	Predicting colloidal fouling of tap water by silt density index (SDI): Pore blocking in a membrane process. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 33-37.	3.3	9
523	Effect of Cross-flow Velocity on the Critical Flux of Ceramic Membrane Filtration as a Pre-treatment for Seawater Desalination. <i>Chinese Journal of Chemical Engineering</i> , 2013, 21, 341-347.	1.7	20
524	Continuous production and recovery of itaconic acid in a membrane bioreactor. <i>Bioresource Technology</i> , 2013, 137, 179-187.	4.8	48
525	A Review on Modeling of Pore-Blocking Behaviors of Membranes During Pressurized Membrane Filtration. <i>Drying Technology</i> , 2013, 31, 146-162.	1.7	134
526	Angiotensin I-converting enzyme inhibitory activity of enzymatic hydrolysates of goat milk protein fractions. <i>International Dairy Journal</i> , 2013, 32, 175-183.	1.5	55
527	On the actual cleanability of polyethersulfone membrane fouled by proteins at critical or limiting flux. <i>Journal of Membrane Science</i> , 2013, 425-426, 40-47.	4.1	34
528	Filtration of suspensions using slit pore membranes. <i>Separation and Purification Technology</i> , 2013, 103, 180-186.	3.9	10
529	Successful Integration of Membrane Technologies in a Conventional Purification Process of Tannery Wastewater Streams. <i>Membranes</i> , 2013, 3, 126-135.	1.4	31
530	Membrane operations in wastewater treatment: complexation reactions coupled with membranes, pervaporation and membrane bioreactors. , 2013, , 731-762.		0
531	The critical flux method for reduced filter membrane fouling when monitoring high solids digesters. <i>Biotechnology Progress</i> , 2013, 29, 1059-1063.	1.3	2
532	Fouling Characteristics and Electrochemical Recovery of Carbon Nanotube Membranes. <i>Advanced Functional Materials</i> , 2013, 23, 1500-1506.	7.8	71
533	Impact of operating conditions on the flux changing rate during dead-end microfiltration process. <i>Desalination and Water Treatment</i> , 2013, 51, 3878-3882.	1.0	1
534	Effect of Support Material Properties on Dynamic Membrane Filtration Performance. <i>Separation Science and Technology</i> , 2013, 48, 2263-2269.	1.3	36
535	A crossflow filtration system for constant permeate flux membrane fouling characterization. <i>Review of Scientific Instruments</i> , 2013, 84, 035003.	0.6	25

#	ARTICLE	IF	CITATIONS
536	Experiences from the Adelaide Desalination project: ultrafiltration cleaning optimisation“from pilot to full-scale operation. <i>Desalination and Water Treatment</i> , 2013, 51, 397-406.	1.0	2
537	Membrane Biological Reactors: Theory, Modeling, Design, Management and Applications to Wastewater Reuse. <i>Water Intelligence Online</i> , 0, 12, .	0.3	15
538	3. Integrated membrane operations in fruit juice processing. , 2013, , 59-86.		0
539	Crossflow microfiltration. , 0, , 48-87.		0
540	AvaliaÃ§Ã£o do emprego de microfiltraÃ§Ã£o para remoÃ§Ã£o de fibras do efluente de branqueamento de polpa celulÃ³sica. <i>Engenharia Sanitaria E Ambiental</i> , 2013, 18, 65-74.	0.1	2
541	A surface-renewal model of cross-flow microfiltration. <i>Brazilian Journal of Chemical Engineering</i> , 2013, 30, 167-186.	0.7	18
542	About Merging Threshold and Critical Flux Concepts into a Single One: The Boundary Flux. <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.	0.8	23
544	Centrifugation“Filtration. <i>Contemporary Food Engineering</i> , 2014, , 61-130.	0.2	0
546	Deposit membrane fouling: influence of specific cake layer resistance and tangential shear stresses. <i>Water Science and Technology</i> , 2014, 70, 40-46.	1.2	12
547	On The Relationship between Suspended Solids of Different Size, the Observed Boundary Flux and Rejection Values for Membranes Treating a Civil Wastewater Stream. <i>Membranes</i> , 2014, 4, 414-423.	1.4	3
548	Co-Contaminant-Aided Removal of Organics from Produced Water Using Micellar-Enhanced Ultrafiltration. , 2014, , 173-202.		0
549	Rotating cylindrical filters used in perfusion cultures: CFD simulations and experiments. <i>Biotechnology Progress</i> , 2014, 30, 1093-1102.	1.3	5
550	Biofouling ecology as a means to better understand membrane biofouling. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8047-8072.	1.7	61
551	Filtrodynamics 2: Effects of Particle Size and Filter Type on Trans“Filter Time“Dependent Pressure Signals. <i>Macromolecular Reaction Engineering</i> , 2014, 8, 529-542.	0.9	0
552	Effects of step-feeding and internal recycling on nitrogen removal in ceramic membrane bioreactors, and their hydraulic backwashing characteristics. <i>Separation and Purification Technology</i> , 2014, 138, 219-226.	3.9	14
553	Factors influencing critical flux of UF membrane in drinking water treatment. <i>Desalination and Water Treatment</i> , 0, , 1-8.	1.0	0
554	Production of goat milk protein hydrolysate enriched in ACE-inhibitory peptides by ultrafiltration. <i>Journal of Dairy Research</i> , 2014, 81, 385-393.	0.7	11
555	Threshold flux measurement of an ultrafiltration membrane module in the treatment of two-phase olive mill wastewater. <i>Chemical Engineering Research and Design</i> , 2014, 92, 769-777.	2.7	9



#	ARTICLE	IF	CITATIONS
556	A novel microscale crossflow device for the rapid evaluation of microfiltration processes. <i>Journal of Membrane Science</i> , 2014, 452, 284-293.	4.1	6
557	Boundary flux optimization of a nanofiltration membrane module used for the treatment of olive mill wastewater from a two-phase extraction process. <i>Separation and Purification Technology</i> , 2014, 130, 124-131.	3.9	17
558	Dynamic membrane bioreactor for wastewater treatment: Operation, critical flux, and dynamic membrane structure. <i>Journal of Membrane Science</i> , 2014, 450, 265-271.	4.1	70
559	Effects of organic macromolecular conditioning on gypsum scaling of forward osmosis membranes. <i>Journal of Membrane Science</i> , 2014, 450, 153-161.	4.1	87
560	Biofouling resistance of reverse osmosis membrane modified with polydopamine. <i>Desalination</i> , 2014, 336, 87-96.	4.0	137
561	Effect of silica fouling on the removal of pharmaceuticals and personal care products by nanofiltration and reverse osmosis membranes. <i>Journal of Hazardous Materials</i> , 2014, 277, 102-109.	6.5	58
562	Modeling of coagulation-microfiltration hybrid process for treatment of oily wastewater using ceramic membranes. <i>Journal of Water Chemistry and Technology</i> , 2014, 36, 80-89.	0.2	8
563	Study of different fouling mechanisms during membrane clarification of red plum juice. <i>International Journal of Food Science and Technology</i> , 2014, 49, 58-64.	1.3	21
564	Improving the performance of polyamide reverse osmosis membrane by incorporation of modified multi-walled carbon nanotubes. <i>Journal of Membrane Science</i> , 2014, 450, 249-256.	4.1	393
565	Mixed matrix membrane application for olive oil wastewater treatment: Process optimization based on Taguchi design method. <i>Journal of Environmental Management</i> , 2014, 132, 113-120.	3.8	52
566	A modified method for evaluation of critical flux, fouling rate and in situ determination of resistance and compressibility in MBR under different fouling conditions. <i>Journal of Membrane Science</i> , 2014, 453, 1-11.	4.1	57
567	Flux Characteristics of Oil Separation from O/W Emulsions using Highly Hydrophilic UF Membrane in Narrow Channel. <i>Separation Science and Technology</i> , 2014, 49, 12-21.	1.3	5
568	Evaluation of operational parameters from a microfiltration system for indigo blue dye recovery from textile dye effluent. <i>Desalination and Water Treatment</i> , 2014, 52, 257-266.	1.0	12
569	Fouling mechanisms of the extract of traditional Chinese medicine in ultrafiltration. <i>Desalination</i> , 2014, 354, 87-96.	4.0	28
570	Performance and membrane fouling characteristics of a combined biofilm and membrane bioreactor for treatment of fluorescent whitening agent wastewater. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 1071-1080.	0.0	10
571	Short- and Long-Term Performance of the Thin-Film Composite Forward Osmosis (TFC-FO) Hollow Fiber Membranes for Oily Wastewater Purification. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 14056-14064.	1.8	50
572	Threshold performance of a spiral-wound reverse osmosis membrane in the treatment of olive mill effluents from two-phase and three-phase extraction processes. <i>Chemical Engineering and Processing: Process Intensification</i> , 2014, 83, 64-70.	1.8	12
573	Filtration behavior of casein glycomacropeptide (CGMP) in an enzymatic membrane reactor: fouling control by membrane selection and threshold flux operation. <i>Journal of Membrane Science</i> , 2014, 469, 127-139.	4.1	44



#	ARTICLE	IF	CITATIONS
574	Membrane technology in microalgae cultivation and harvesting: A review. <i>Biotechnology Advances</i> , 2014, 32, 1283-1300.	6.0	255
575	Membrane Filtration in Water Treatment – Removal of Micropollutants. , 2014, , 199-248.		23
576	Online monitoring of MBR fouling by transmembrane pressure and permeability over a long-term experiment. <i>Separation and Purification Technology</i> , 2014, 122, 297-305.	3.9	15
577	Beer Clarification Using Ceramic Tubular Membranes. <i>Food and Bioprocess Technology</i> , 2014, 7, 2694-2710.	2.6	23
578	Impact of e-beam irradiation of municipal secondary effluent on MF and RO membranes performances. <i>Journal of Membrane Science</i> , 2014, 471, 1-8.	4.1	11
579	Characteristics of dynamic membrane filtration: structure, operation mechanisms, and cost analysis. <i>Science Bulletin</i> , 2014, 59, 247-260.	1.7	38
580	Benefits of High Shear Rate Dynamic Nanofiltration and Reverse Osmosis: A Review. <i>Separation Science and Technology</i> , 2014, 49, 1953-1967.	1.3	18
581	How the experimental knowledge of the irreversible fouling distribution can contribute to understand the fluid circulation in a spiral ultrafiltration membrane. <i>Separation and Purification Technology</i> , 2014, 136, 157-167.	3.9	12
582	Microfiltration of passion fruit juice using hollow fibre membranes and evaluation of fouling mechanisms. <i>Journal of Food Engineering</i> , 2014, 121, 73-79.	2.7	59
583	Modification of poly(vinylidene fluoride)/polyethersulfone blend membrane with polyvinyl alcohol for improving antifouling ability. <i>Journal of Membrane Science</i> , 2014, 466, 293-301.	4.1	55
584	Constant flux crossflow filtration evaluation of surface-modified fouling-resistant membranes. <i>Journal of Membrane Science</i> , 2014, 452, 171-183.	4.1	88
585	Submerged hollow fibre membrane filtration with transverse and longitudinal vibrations. <i>Journal of Membrane Science</i> , 2014, 455, 83-91.	4.1	34
586	Use of threshold flux concept to aid selection of sustainable operating flux: A multi-scale study from laboratory to full scale. <i>Separation and Purification Technology</i> , 2014, 123, 69-78.	3.9	10
587	The filtration characteristics of anaerobic digester effluents employing cross flow ceramic membrane microfiltration for nutrient recovery. <i>Desalination</i> , 2014, 341, 27-37.	4.0	30
588	Generalized criterion for the onset of particle deposition in crossflow microfiltration via DOTM – Modeling and experimental validation. <i>Journal of Membrane Science</i> , 2014, 457, 128-138.	4.1	14
589	Energetic consideration and flux characteristics of roughed-surface membrane in presence of reversing shear. <i>Chemical Engineering Research and Design</i> , 2014, 92, 1771-1780.	2.7	2
590	Comparison of membrane fouling at constant flux and constant transmembrane pressure conditions. <i>Journal of Membrane Science</i> , 2014, 454, 505-515.	4.1	169
591	Modeling of the initial deposition of individual particles during the cross-flow membrane filtration. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 440, 91-100.	2.3	16

#	ARTICLE	IF	CITATIONS
592	Direct monitoring of sub-critical flux fouling in a horizontal double-end submerged hollow fiber membrane module using ultrasonic time domain reflectometry. <i>Journal of Membrane Science</i> , 2014, 451, 226-233.	4.1	26
593	Determining flux behavior via a modified flux-step method for surface water treatment: pilot-scale ultrafiltration membrane operation. <i>Desalination</i> , 2014, 341, 19-26.	4.0	10
594	Fouling control by threshold flux measurements in the treatment of different olive mill wastewater streams by membranes-in-series process. <i>Desalination</i> , 2014, 343, 162-168.	4.0	25
595	Comparison of membrane foulants occurred under different sub-critical flux conditions in a membrane bioreactor (MBR). <i>Bioresource Technology</i> , 2014, 166, 389-394.	4.8	14
596	An improved method for surface modification of porous water purification membranes. <i>Polymer</i> , 2014, 55, 1375-1383.	1.8	51
597	On the reversibility of cake buildup and compression in a membrane bioreactor. <i>Journal of Membrane Science</i> , 2014, 455, 152-161.	4.1	24
598	A New Treatment Technique of Produced Water from Polymer Flooding. , 2014, , .		4
600	Efficient Desalination by Reverse Osmosis: A guide to RO practice. <i>Water Intelligence Online</i> , 2015, 14, .	0.3	1
604	Modelling of cross-flow microfiltration of dye-loaded activated carbon in a ceramic tubular membrane module. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 2005-2014.	0.9	2
605	Anaerobic fluidized membrane bioreactor polishing of baffled reactor effluent during treatment of dilute wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 391-397.	1.6	21
606	Mass Transfer Mechanisms and Transport Resistances in Membrane Separation Process. , 0, , .		9
607	APPLICATION OF A SURFACE-RENEWAL MODEL TO PERMEATE-FLUX DATA FOR CONSTANT-PRESSURE CROSS-FLOW MICROFILTRATION WITH DEAN VORTICES. <i>Brazilian Journal of Chemical Engineering</i> , 2015, 32, 609-627.	0.7	2
608	On the Recent Use of Membrane Technology for Olive Mill Wastewater Purification. <i>Membranes</i> , 2015, 5, 513-531.	1.4	36
609	INFLUENCE OF RESIDENCE-TIME DISTRIBUTION ON A SURFACE-RENEWAL MODEL OF CONSTANT-PRESSURE CROSS-FLOW MICROFILTRATION. <i>Brazilian Journal of Chemical Engineering</i> , 2015, 32, 139-154.	0.7	4
610	Effects of temperature on the permeability and critical flux of the membrane in a moving bed membrane bioreactor. <i>Desalination and Water Treatment</i> , 2015, 53, 3439-3448.	1.0	6
612	Decreasing membrane fouling during <i>Chlorella vulgaris</i> broth filtration via membrane development and coagulant assisted filtration. <i>Algal Research</i> , 2015, 9, 55-64.	2.4	31
613	Destabilization and removal of immobilized enzymes adsorbed onto polyethersulfone ultrafiltration membranes by salt solutions. <i>Journal of Membrane Science</i> , 2015, 486, 207-214.	4.1	12
614	Effect of Mixed Liquor Volatile Suspended Solids on Membrane Fouling During Short and long-term Operation of Membrane Bioreactor. <i>Ingeniería Y Ciencia</i> , 2015, 11, 137-155.	0.3	6

#	ARTICLE	IF	CITATIONS
615	Treatment of opencast lignite mining induced acid mine drainage (AMD) using a rotating microfiltration system. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 2848-2856.	3.3	18
616	Filtration performance comparison of a metal membrane and an organic membrane in bioreactor. <i>Desalination and Water Treatment</i> , 2015, 54, 3566-3574.	1.0	1
617	Design methodology for submerged anaerobic membrane bioreactors (AnMBR): A case study. <i>Separation and Purification Technology</i> , 2015, 141, 378-386.	3.9	43
618	Solar energy assisted direct contact membrane distillation (DCMD) process for seawater desalination. <i>Separation and Purification Technology</i> , 2015, 143, 94-104.	3.9	106
619	In situ investigation of combined organic and colloidal fouling for nanofiltration membrane using ultrasonic time domain reflectometry. <i>Desalination</i> , 2015, 362, 43-51.	4.0	20
620	Limiting Flux and Critical Transmembrane Pressure Determination Using an Exponential Model: The Effect of Concentration Factor, Temperature, and Cross-Flow Velocity during Casein Micelle Concentration by Microfiltration. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 414-425.	1.8	35
621	Introduction to Membrane Technology. , 2015, , 1-80.		35
622	Fouling mechanisms of ultrafiltration membranes fouled with whey model solutions. <i>Desalination</i> , 2015, 360, 87-96.	4.0	87
623	Preparation and characterization of nano-chitin whisker reinforced PVDF membrane with excellent antifouling property. <i>Journal of Membrane Science</i> , 2015, 480, 1-10.	4.1	57
624	The effect of sparging rate on transmembrane pressure and critical flux in an AnMBR. <i>Journal of Environmental Management</i> , 2015, 151, 280-285.	3.8	38
625	Microfiltration of high concentration black tea streams for haze removal using polymeric membranes. <i>Desalination and Water Treatment</i> , 2015, 53, 1516-1531.	1.0	12
626	A hybrid microfiltration/ultrafiltration membrane process for treatment of oily wastewater. <i>Desalination and Water Treatment</i> , 2015, 55, 901-912.	1.0	29
627	Processing. , 2015, , 103-130.		1
628	Mathematical and Artificial Neural Network Models to Predict the Membrane Fouling Behavior of an Intermittently Aerated Membrane Bioreactor Under Sub-Critical Flux. <i>Clean - Soil, Air, Water</i> , 2015, 43, 1002-1009.	0.7	6
629	A Review on Flux Decline Control Strategies in Pressure-Driven Membrane Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 2843-2861.	1.8	108
630	Increasing the angiotensin converting enzyme inhibitory activity of goat milk hydrolysates by cross-flow filtration through ceramic membranes. <i>Desalination and Water Treatment</i> , 2015, 56, 3544-3553.	1.0	1
631	Mathematical modeling of membrane operations for water treatment. , 2015, , 379-407.		9
632	A review of shear-induced particle migration for enhanced filtration and fractionation. , 2015, , 211-233.		3

#	ARTICLE	IF	CITATIONS
633	Impacts of operating conditions on nanofiltration of secondary-treated two-phase olive mill wastewater. <i>Journal of Environmental Management</i> , 2015, 161, 219-227.	3.8	9
634	Impact of temperature on feed-flow characteristics and filtration performance of an upflow anaerobic sludge blanket coupled ultrafiltration membrane treating municipal wastewater. <i>Water Research</i> , 2015, 83, 71-83.	5.3	76
635	A Two-Step Nanofiltration Process for the Production of Phenolic-Rich Fractions from Artichoke Aqueous Extracts. <i>International Journal of Molecular Sciences</i> , 2015, 16, 8968-8987.	1.8	38
636	Microalgae membrane photobioreactor for further removal of nitrogen and phosphorus from secondary sewage effluent. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 2047-2052.	1.2	53
637	Application of membrane dewatering for algal biofuel. <i>Algal Research</i> , 2015, 11, 1-12.	2.4	103
638	Membrane process enhancement of 2-phase and 3-phase olive mill wastewater treatment plants by photocatalysis with magnetic-core titanium dioxide nanoparticles. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 30, 147-152.	2.9	29
639	Long-term use of the critical flux for fouling control in membrane bioreactors treating different industrial effluents: bench and pilot scale. <i>Desalination and Water Treatment</i> , 2015, 55, 859-869.	1.0	3
640	Flux kinetics, limit and critical fluxes for low pressure dead-end microfiltration. The case of BSA filtration through a positively charged membrane. <i>Chemical Engineering Science</i> , 2015, 129, 58-68.	1.9	13
641	Dramatic improvement of membrane performance for microalgae harvesting with a simple bubble-generator plate. <i>Bioresource Technology</i> , 2015, 186, 343-347.	4.8	22
642	Effect of ionic strength and permeate flux on membrane fouling: Analysis of forces acting on particle deposit and cake formation. <i>KSCE Journal of Civil Engineering</i> , 2015, 19, 1604-1611.	0.9	5
643	Separation of oil-in-water emulsions using electrospun fiber membranes and modeling of the fouling mechanism. <i>Journal of Membrane Science</i> , 2015, 486, 229-238.	4.1	67
644	Effect of suction zone length on sediment transport. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2015, 53, 49-59.	0.7	8
645	Development of a submerged anaerobic membrane bioreactor for concurrent extraction of volatile fatty acids and biohydrogen production. <i>Bioresource Technology</i> , 2015, 196, 290-300.	4.8	52
646	Microfiltration of kiwifruit juice and fouling mechanism using fly-ash-based ceramic membranes. <i>Food and Bioprocess Technology</i> , 2015, 96, 278-284.	1.8	49
647	Factors governing combined fouling by organic and colloidal foulants in cross-flow nanofiltration. <i>Journal of Membrane Science</i> , 2015, 491, 53-62.	4.1	44
648	Membrane biofouling process correlated to the microbial community succession in an A/O MBR. <i>Bioresource Technology</i> , 2015, 197, 185-192.	4.8	25
649	Ultrafiltration of municipal wastewater: study on fouling models and fouling mechanisms. <i>Desalination and Water Treatment</i> , 2015, 56, 3427-3437.	1.0	13
650	Application of Membrane Separation in Fruit and Vegetable Juice Processing: A Review. <i>Critical Reviews in Food Science and Nutrition</i> , 2015, 55, 964-987.	5.4	47

#	ARTICLE	IF	CITATIONS
651	An experimental study on the impact of biofloculation on activated sludge separation techniques. Separation and Purification Technology, 2015, 141, 94-104.	3.9	19
652	Partitioning of calcium and magnesium (total divalent cations) during membrane filtration of milk. Journal of Food Engineering, 2015, 149, 153-158.	2.7	21
653	Prediction of reverse osmosis fouling using the feed fouling monitor and salt tracer response technique. Journal of Membrane Science, 2015, 475, 433-444.	4.1	21
654	Soluble microbial products and suspended solids influence in membrane fouling dynamics and interest of punctual relaxation and/or backwashing. Journal of Membrane Science, 2015, 475, 156-166.	4.1	28
655	Treatment of refinery effluents by pilot membrane bioreactors: pollutants removal and fouling mechanism investigation. Desalination and Water Treatment, 2015, 56, 583-597.	1.0	6
656	The application of filterability as a parameter to evaluate the biological sludge quality in an MBR treating refinery effluent. Desalination and Water Treatment, 2015, 53, 1440-1449.	1.0	10
657	The effect of permeation flux on the specific resistance of polysaccharide fouling layers developing during dead-end ultrafiltration. Journal of Membrane Science, 2015, 473, 292-301.	4.1	21
658	Reduced-order model for the analysis of mass transfer enhancement in membrane channel using electro-osmosis. Chemical Engineering Science, 2015, 122, 86-96.	1.9	14
659	Improvement on the concentrated grape juice physico-chemical characteristics by an enzymatic treatment and Membrane Separation Processes. Anais Da Academia Brasileira De Ciencias, 2016, 88, 423-436.	0.3	14
660	An Overview of Membrane Science and Technology. , 2016, , 1-23.		27
662	Efficiently Combining Water Reuse and Desalination through Forward Osmosisâ€”Reverse Osmosis (FO-RO) Hybrids: A Critical Review. Membranes, 2016, 6, 37.	1.4	93
663	Preparation of PVDF/poly(tetrafluoroethyleneâ€”vinyl alcohol) blend membranes with antifouling propensities via nonsolvent induced phase separation method. Journal of Applied Polymer Science, 2016, 133, .	1.3	8
664	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
665	Selecting model for treatment of oily wastewater by MF-PAC hybrid process using mullite-alumina ceramic membranes. Journal of Water Chemistry and Technology, 2016, 38, 173-180.	0.2	7
666	Crystal nuclei templated nanostructured membranes prepared by solvent crystallization and polymer migration. Nature Communications, 2016, 7, 12804.	5.8	42
667	Effect of polydopamine deposition conditions on polysulfone ultrafiltration membrane properties and threshold flux during oil/water emulsion filtration. Polymer, 2016, 97, 247-257.	1.8	72
668	Microfiltration of vinasse: sustainable strategy to improve its nutritive potential. Water Science and Technology, 2016, 73, 1434-1441.	1.2	13
669	Determination of fouling mechanisms in polymeric ultrafiltration membranes using residual brines from table olive storage wastewaters as feed. Journal of Food Engineering, 2016, 187, 14-23.	2.7	27

#	ARTICLE	IF	CITATIONS
670	Study of the influence of operational conditions and hollow-fiber diameter on the ultrafiltration performance of a secondary treatment effluent. <i>Desalination and Water Treatment</i> , 2016, 57, 23266-23272.	1.0	0
671	Microstructure evolution and properties of YSZ hollow fiber microfiltration membranes prepared at different suspension solid content for water treatment. <i>Desalination and Water Treatment</i> , 2016, 57, 21273-21285.	1.0	2
672	Biofouling Aspects and Critical Flux Evaluation in an Intermittently Aerated and Fed Submerged Membrane Bioreactor. <i>Environmental Processes</i> , 2016, 3, 23-33.	1.7	4
673	Fouling propensity of a poly(vinylidene fluoride) microfiltration membrane to several model oil/water emulsions. <i>Journal of Membrane Science</i> , 2016, 514, 659-670.	4.1	44
677	Ceramic Membrane for Pervaporation. , 2016, , 352-354.		0
678	Ceramic Supported Polymer Composite Membranes in Pervaporation. , 2016, , 357-358.		0
679	Computational Fluid Dynamics (CFD) and Membranes. , 2016, , 436-436.		0
680	Effect of water chemistry and operational conditions on 1/4GAF process performance. <i>Water Research</i> , 2016, 105, 76-84.	5.3	6
681	A system coupling hybrid biological method with UV/O <sub>3</sub> oxidation and membrane separation for treatment and reuse of industrial laundry wastewater. <i>Environmental Science and Pollution Research</i> , 2016, 23, 19145-19155.	2.7	43
682	Cadmium Rejection by NF. , 2016, , 285-285.		0
683	Chemical Industry and Membrane Operations. , 2016, , 386-387.		0
684	Modeling of gel layer transport during ultrafiltration of fruit juice with non-Newtonian fluid rheology. <i>Food and Bioproducts Processing</i> , 2016, 100, 72-84.	1.8	15
685	Comparison between artificial neural networks and Hermia's models to assess ultrafiltration performance. <i>Separation and Purification Technology</i> , 2016, 170, 434-444.	3.9	51
686	Control of membrane fouling with the addition of a nanoporous zeolite membrane fouling reducer to the submerged hollow fiber membrane bioreactor. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016, 51, 1024-1033.	0.9	5
687	The fouling behavior in microfiltration of activated sludge suspension from submerged membrane bioreactors (SBR) – The boundary flux and sub boundary fouling rate index. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 67, 11-19.	2.7	4
688	Cell Culture. , 2016, , 336-338.		0
689	Co-sintering Method for Ceramic Membrane Preparation. , 2016, , 473-474.		1
690	Application of response surface methodology for investigation of membrane fouling behaviours in microalgal membrane bioreactor: the effect of aeration rate and biomass concentration. <i>RSC Advances</i> , 2016, 6, 111182-111189.	1.7	25

#	ARTICLE	IF	CITATIONS
691	On the fouling mechanism of polysulfone ultrafiltration membrane in the treatment of coal gasification wastewater. <i>Frontiers of Chemical Science and Engineering</i> , 2016, 10, 490-498.	2.3	6
692	Cross-Linked Polyamide Membranes. , 2016, , 487-488.		0
693	Cyclodextrins. , 2016, , 507-508.		1
694	Developments of Blocking Filtration Model in Membrane Filtration. <i>KONA Powder and Particle Journal</i> , 2016, 33, 179-202.	0.9	96
695	A Simplified and Efficient Process for Insulin Production in <i>Pichia pastoris</i> . <i>PLoS ONE</i> , 2016, 11, e0167207.	1.1	24
696	Purification of polyphenols from green tea leaves by ultrasound assisted ultrafiltration process. <i>Separation and Purification Technology</i> , 2016, 168, 188-198.	3.9	52
697	An integrated two-step Fr 13 synthesis - demonstrated with membrane fouling in combined ultrafiltration-osmotic distillation (UF-OD) for concentrated juice. <i>Chemical Engineering Science</i> , 2016, 152, 213-226.	1.9	10
698	Introduction to Membrane Processes for Water Treatment. , 2016, , 15-52.		22
699	Forward Osmosis for Sustainable Water Treatment. , 2016, , 55-76.		2
700	Treatment of enzyme-initiated delignification reaction mixtures with ceramic ultrafiltration membranes: Experimental investigations and modeling approach. <i>Separation Science and Technology</i> , 2016, , 1-20.	1.3	2
701	Reverse membrane bioreactor: Introduction to a new technology for biofuel production. <i>Biotechnology Advances</i> , 2016, 34, 954-975.	6.0	40
702	Membrane fouling in photocatalytic membrane reactors (PMRs) for water and wastewater treatment: A critical review. <i>Chemical Engineering Journal</i> , 2016, 302, 446-458.	6.6	225
703	Effect of spacer and crossflow velocity on the critical flux of bidisperse suspensions in microfiltration. <i>Journal of Membrane Science</i> , 2016, 513, 101-107.	4.1	35
704	Effect of surface properties on antifouling performance of poly(vinyl chloride-co-poly(ethylene Tj ETQq1 1 0.784314 rgBT /Overlock 10 537-546.	4.1	64
705	Protein recovery by selective separation using ceramic membranes. <i>Water Practice and Technology</i> , 2016, 11, 384-395.	1.0	1
706	Osmotic membrane bioreactor (OMBR) technology for wastewater treatment and reclamation: Advances, challenges, and prospects for the future. <i>Journal of Membrane Science</i> , 2016, 504, 113-132.	4.1	217
707	A threshold flux phenomenon for colloidal fouling in reverse osmosis characterized by transmembrane pressure and electrical impedance spectroscopy. <i>Journal of Membrane Science</i> , 2016, 500, 55-65.	4.1	38
708	Nanofiltration potential for the purification of highly concentrated enzymatically produced oligosaccharides. <i>Food and Bioproducts Processing</i> , 2016, 98, 50-61.	1.8	40



#	ARTICLE	IF	CITATIONS
709	Model-based analysis of the effect of different operating conditions on fouling mechanisms in a membrane bioreactor. <i>Environmental Science and Pollution Research</i> , 2016, 23, 1598-1609.	2.7	7
710	Impact of aeration shear stress on permeate flux and fouling layer properties in a low pressure membrane bioreactor for the treatment of grey water. <i>Journal of Membrane Science</i> , 2016, 510, 382-390.	4.1	100
711	Effect of microporous membrane properties and operating conditions on particle retention: Measurements and model studies. <i>Separation Science and Technology</i> , 2016, 51, 1007-1021.	1.3	3
712	Critical flux of gum arabic: Implications for fouling and fractionation performance of membranes. <i>Food and Bioproducts Processing</i> , 2016, 97, 41-47.	1.8	2
713	Leaching of PVP from PVDF/PVP blend membranes: impacts on membrane structure and fouling in membrane bioreactors. <i>Journal of Materials Science</i> , 2016, 51, 4328-4341.	1.7	54
714	Fouling evaluation in a MBR for dairy effluent treatment. <i>Desalination and Water Treatment</i> , 2016, 57, 11919-11930.	1.0	4
715	Fouling characterization and control for harvesting microalgae <i>Arthrospira (Spirulina) maxima</i> using a submerged, disc-type ultrafiltration membrane. <i>Bioresource Technology</i> , 2016, 209, 23-30.	4.8	37
716	Refining sugarcane juice by an integrated membrane process: Filtration behavior of polymeric membrane at high temperature. <i>Journal of Membrane Science</i> , 2016, 509, 105-115.	4.1	63
717	Impact of the surface energy of particulate foulants on membrane fouling. <i>Journal of Membrane Science</i> , 2016, 510, 101-111.	4.1	72
718	Assessment of the fouling mechanisms of an ultrafiltration membrane bioreactor during synthesis of galacto-oligosaccharides: Effect of the operational variables. <i>Desalination</i> , 2016, 393, 79-89.	4.0	27
719	Fouling and cleaning of high permeability forward osmosis membranes. <i>Journal of Water Process Engineering</i> , 2016, 9, 161-169.	2.6	75
720	A review on the use of membrane technology and fouling control for olive mill wastewater treatment. <i>Science of the Total Environment</i> , 2016, 563-564, 664-675.	3.9	90
721	Spatio-temporal frequency response analysis of forced slip velocity effect on solute concentration oscillations in a reverse osmosis membrane channel. <i>Computers and Chemical Engineering</i> , 2016, 84, 151-161.	2.0	13
722	Aerosol filtration using electrospun cellulose acetate fibers. <i>Journal of Materials Science</i> , 2016, 51, 204-217.	1.7	82
723	Threshold flux and limiting flux for micellar enhanced ultrafiltration as affected by feed water: experimental and modeling studies. <i>Journal of Cleaner Production</i> , 2016, 112, 1241-1251.	4.6	30
724	Membrane-Based Point-Of-Use Water Treatment (PoUWT) System in Emergency Situations. <i>Separation and Purification Reviews</i> , 2016, 45, 50-67.	2.8	16
725	Forward Osmosis Membranes for Water Reclamation. <i>Separation and Purification Reviews</i> , 2016, 45, 93-107.	2.8	23
726	Fouling behaviours of PVDF-TiO <sub>2</sub> mixed-matrix membrane applied to humic acid treatment. <i>Journal of Water Process Engineering</i> , 2017, 15, 89-98.	2.6	31



#	ARTICLE	IF	CITATIONS
727	Influence of gas-liquid two-phase flow on angiotensin-converting enzyme inhibitory peptides separation by ultrafiltration. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 309-316.	1.7	1
728	Monitoring fouling behavior of reverse osmosis membranes using electrical impedance spectroscopy: A field trial study. <i>Desalination</i> , 2017, 407, 75-84.	4.0	33
729	Flow-field mitigation of membrane fouling (FMMF) via manipulation of the convective flow in cross-flow membrane applications. <i>Journal of Membrane Science</i> , 2017, 526, 377-386.	4.1	14
730	Effect of cross-flow velocity, oil concentration and salinity on the critical flux of an oil-in-water emulsion in microfiltration. <i>Journal of Membrane Science</i> , 2017, 530, 11-19.	4.1	72
731	Surfactant-stabilized oil separation from water using ultrafiltration and nanofiltration. <i>Journal of Membrane Science</i> , 2017, 529, 159-169.	4.1	117
732	The role of fouling in optimizing direct-flow filtration module design. <i>Chemical Engineering Science</i> , 2017, 163, 215-222.	1.9	8
733	Poly(vinylidene difluoride)/poly(tetrafluoroethylene-co-vinylpyrrolidone) blend membranes with antifouling properties. <i>Materials Science and Engineering C</i> , 2017, 75, 79-87.	3.8	10
734	Pressure driven inside feed (PDI) hollow fibre filtration: Optimizing the geometry and operating parameters. <i>Journal of Membrane Science</i> , 2017, 537, 323-336.	4.1	8
735	Comparison of solid, liquid and powder forms of 3D printing techniques in membrane spacer fabrication. <i>Journal of Membrane Science</i> , 2017, 537, 283-296.	4.1	66
736	Effect of bubble characteristics on critical flux in the microfiltration of particulate foulants. <i>Journal of Membrane Science</i> , 2017, 535, 279-293.	4.1	22
737	Brine recovery from hypersaline wastewaters from table olive processing by combination of biological treatment and membrane technologies. <i>Journal of Cleaner Production</i> , 2017, 142, 1377-1386.	4.6	18
738	The investigation of paper mill industry wastewater treatment and activated sludge properties in a submerged membrane bioreactor. <i>Water Science and Technology</i> , 2017, 76, 1715-1725.	1.2	20
739	Evaluation of the Combined Process of Coagulation/Flocculation and Microfiltration of Cassava Starch Wastewater: Removal Efficiency and Membrane Fouling. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	20
740	Review of hydrophilic PP membrane for organic waste removal. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	1
741	Optimization and fouling mechanism of a thermophile submerged MBR (TSMBR) pilot plant for wastewater treatment in a paper mill. <i>Journal of Water Process Engineering</i> , 2017, 17, 110-116.	2.6	7
743	Preparation of robust braid-reinforced poly(vinyl chloride) ultrafiltration hollow fiber membrane with antifouling surface and application to filtration of activated sludge solution. <i>Materials Science and Engineering C</i> , 2017, 77, 662-671.	3.8	24
744	Effect of filtration mode and backwash water on hydraulically irreversible fouling of ultrafiltration membrane. <i>Chemosphere</i> , 2017, 179, 254-264.	4.2	26
745	Investigation of cake fouling and pore blocking phenomena using fluid dynamic gauging and critical flux models. <i>Journal of Membrane Science</i> , 2017, 533, 38-47.	4.1	24

#	ARTICLE	IF	CITATIONS
746	Clarification of crude extract of yerba mate ( <i>Ilex paraguariensis</i> ) by membrane processes: Analysis of fouling and loss of bioactive compounds. <i>Food and Bioproducts Processing</i> , 2017, 102, 204-212.	1.8	17
747	Membrane fouling in whey processing and subsequent cleaning with ultrasounds for a more sustainable process. <i>Journal of Cleaner Production</i> , 2017, 143, 804-813.	4.6	34
748	Recent developments in microfiltration and ultrafiltration of fruit juices. <i>Food and Bioproducts Processing</i> , 2017, 106, 147-161.	1.8	55
749	Potential use of membrane bioreactor to treat petroleum refinery effluent: comprehension of dynamic of organic matter removal, fouling characteristics and membrane lifetime. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 1839-1850.	1.7	16
750	Effects of sludge concentration and biogas sparging rate on critical flux in a submerged anaerobic membrane bioreactor. <i>Journal of Water Process Engineering</i> , 2017, 20, 51-60.	2.6	24
751	Fouling modelling on a reverse osmosis membrane in the purification of pretreated olive mill wastewater by adapted crossflow blocking mechanisms. <i>Journal of Membrane Science</i> , 2017, 544, 108-118.	4.1	33
752	Unpacking compaction: Effect of hydraulic pressure on alginate fouling. <i>Journal of Membrane Science</i> , 2017, 544, 221-233.	4.1	25
753	Recycling of activated carbon filter backwash water using ultrafiltration: Membrane fouling caused by different dominant interfacial forces. <i>Journal of Membrane Science</i> , 2017, 544, 174-185.	4.1	13
754	Nanofiltration as tertiary treatment method for removing trace pharmaceutically active compounds in wastewater from wastewater treatment plants. <i>Water Research</i> , 2017, 125, 360-373.	5.3	139
755	Effect of zinc chloride and PEG concentrations on the critical flux during tangential flow microfiltration of BSA precipitates. <i>Biotechnology Progress</i> , 2017, 33, 1561-1567.	1.3	15
757	Influence of prefiltration on membrane performance during isolation of lignin-carbohydrate complexes from spent sulfite liquor. <i>Separation and Purification Technology</i> , 2017, 187, 380-388.	3.9	26
758	Performance of submerged oscillatory membrane photoreactor for water treatment. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3330-3336.	3.3	12
759	Spinning basket membrane ultrafiltration of paper industry waste effluent: Experimental and theoretical aspects. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4583-4593.	3.3	5
760	Microscale Dynamics of Oil Droplets at a Membrane Surface: Deformation, Reversibility, and Implications for Fouling. <i>Environmental Science &amp; Technology</i> , 2017, 51, 13842-13849.	4.6	27
761	Interlaced CNT Electrodes for Bacterial Fouling Reduction of Microfiltration Membranes. <i>Environmental Science &amp; Technology</i> , 2017, 51, 9176-9183.	4.6	40
762	Influence of operation conditions on cake structure in dead-end membrane filtration: Monte Carlo simulations and a force model. <i>Chemical Engineering Research and Design</i> , 2017, 124, 124-133.	2.7	7
763	Comparative analysis for fouling characteristics of river water, secondary effluent, and humic acid solution in ceramic membrane ultrafiltration. <i>Separation Science and Technology</i> , 2017, 52, 2199-2211.	1.3	1
764	Fouling in Membrane Bioreactors. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2017, , 39-85.	0.3	5

#	ARTICLE	IF	CITATIONS
765	Particle migration in laminar shear fields: A new basis for large scale separation technology?. Separation and Purification Technology, 2017, 174, 372-388.	3.9	25
766	A comparison study: The different impacts of sodium hypochlorite on PVDF and PSF ultrafiltration (UF) membranes. Water Research, 2017, 109, 227-236.	5.3	51
767	Modeling the performance of cross-flow filtration based on particle adhesion. Chemical Engineering Research and Design, 2017, 117, 336-345.	2.7	7
768	Effect of fluidized granular activated carbon (GAC) on critical flux in the microfiltration of particulate foulants. Journal of Membrane Science, 2017, 523, 409-417.	4.1	26
769	Purification of galacto-oligosaccharides (GOS) by three-stage serial nanofiltration units under critical transmembrane pressure conditions. Chemical Engineering Research and Design, 2017, 117, 488-499.	2.7	47
770	Fouling control using critical, threshold and limiting fluxes concepts for cross-flow NF of a complex matrix: Membrane BioReactor effluent. Journal of Membrane Science, 2017, 524, 288-298.	4.1	22
771	Integrated ultrafiltration process for the recovery of bromelain from pineapple waste mixture. Journal of Food Process Engineering, 2017, 40, e12492.	1.5	14
772	Fundamentals of Membrane Bioreactors. Springer Transactions in Civil and Environmental Engineering, 2017, , .	0.3	28
773	Oberflächenmodifizierung von Wasseraufbereitungsmembranen. Angewandte Chemie, 2017, 129, 4734-4788.	1.6	58
774	Surface Modification of Water Purification Membranes. Angewandte Chemie - International Edition, 2017, 56, 4662-4711.	7.2	564
775	Protein recovery from potato processing water: Pre-treatment and membrane fouling minimization. Journal of Food Engineering, 2017, 195, 85-96.	2.7	28
776	Critical aspects of RO desalination: A combination strategy. Desalination, 2017, 401, 68-87.	4.0	40
777	Impact of sodium hypochlorite (NaClO) on polysulfone (PSF) ultrafiltration membranes: The evolution of membrane performance and fouling behavior. Separation and Purification Technology, 2017, 175, 238-247.	3.9	24
778	The effect of permeate flux on membrane fouling during microfiltration of oily water. Journal of Membrane Science, 2017, 525, 25-34.	4.1	68
779	Critical flux investigation in treating o/w emulsion by TiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> -PVDF UF membrane. Water Science and Technology, 2017, 76, 2785-2792.	1.2	7
780	On the Purification of Agro-Industrial Wastewater by Membrane Technologies: The Case of Olive Mill Effluents. , 2017, , .		3
781	2.1 Fundamentals of Crossflow Microfiltration. , 2017, , 1-14.		0
782	Assessment of a New Silicon Carbide Tubular Honeycomb Membrane for Treatment of Olive Mill Wastewaters. Membranes, 2017, 7, 12.	1.4	31

#	ARTICLE	IF	CITATIONS
783	On Operating a Nanofiltration Membrane for Olive Mill Wastewater Purification at Sub- and Super-Boundary Conditions. <i>Membranes</i> , 2017, 7, 36.	1.4	3
784	Recent Trends in Membrane Bioreactors. , 2017, , 279-311.		11
785	4.8 New Membrane Distillation Integrated Systems. , 2017, , 150-163.		1
786	<b>Cake formation and the decreased performance of whey ultrafiltration. <i>Acta Scientiarum - Technology</i> , 2017, 39, 517.	0.4	10
787	Enhancement of antifouling and antibacterial properties of PVC hollow fiber ultrafiltration membranes using pristine and modified silver nanoparticles. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1764-1773.	3.3	68
788	Periodic electrolysis technique for in situ fouling control and removal with low-pressure membrane filtration. <i>Desalination</i> , 2018, 433, 10-24.	4.0	13
789	Fouling control mechanisms in filtrating natural organic matters by electro-enhanced carbon nanotubes hollow fiber membranes. <i>Journal of Membrane Science</i> , 2018, 553, 54-62.	4.1	45
790	Threshold Flux for Vacuum Membrane Distillation to Concentrate Herbal Aqueous Solutions. <i>Chemical Engineering and Technology</i> , 2018, 41, 948-955.	0.9	3
791	Fouling-resistant microfiltration membrane modified with magnetite nanoparticles by reversible conjunction. <i>Separation and Purification Technology</i> , 2018, 202, 299-306.	3.9	16
792	From cooperative to uncorrelated clogging in cross-flow microfluidic membranes. <i>Scientific Reports</i> , 2018, 8, 5687.	1.6	34
793	Biofouling in membrane bioreactors: nexus between polyacrylonitrile surface charge and community composition. <i>Biofouling</i> , 2018, 34, 237-251.	0.8	5
794	Retrofitting membrane bioreactor (MBR) into osmotic membrane bioreactor (OMBR): A pilot scale study. <i>Chemical Engineering Journal</i> , 2018, 339, 268-277.	6.6	57
795	Rhamnolipid as new bio-agent for cleaning of ultrafiltration membrane fouled by whey. <i>Engineering in Life Sciences</i> , 2018, 18, 272-280.	2.0	20
796	Fundamental Understanding of Fouling Mechanisms During Microfiltration of Bitter Gourd ( <i>Momordica charantia</i> ) Extract and Their Dependence on Operating Conditions. <i>Food and Bioprocess Technology</i> , 2018, 11, 1012-1026.	2.6	12
797	Analysis of flux decline using sequential fouling mechanisms during concentration of <i>Syzygium cumini</i> (L.) leaf extract. <i>Chemical Engineering Research and Design</i> , 2018, 130, 167-183.	2.7	8
798	Modelling approach to an ultrafiltration process for the removal of dissolved and colloidal substances from treated wastewater for reuse in recycled paper manufacturing. <i>Journal of Water Process Engineering</i> , 2018, 21, 96-106.	2.6	16
799	Mass transport modeling of natural organic matter (NOM) and salt during Nanofiltration of inorganic colloid-NOM mixtures. <i>Desalination</i> , 2018, 429, 60-69.	4.0	8
800	Operating cost reduction of UF membrane filtration process for drinking water treatment attributed to chemical cleaning optimization. <i>Journal of Environmental Management</i> , 2018, 206, 1126-1134.	3.8	29

#	ARTICLE	IF	CITATIONS
801	Probing the fouling process and mechanisms of submerged ceramic membrane ultrafiltration during algal harvesting under sub- and super-critical fluxes. <i>Separation and Purification Technology</i> , 2018, 195, 199-207.	3.9	27
802	Modeling Dynamics of Colloidal Fouling of RO/NF Membranes with A Novel Collision-Attachment Approach. <i>Environmental Science &amp; Technology</i> , 2018, 52, 1471-1478.	4.6	32
803	Relationship between scouring efficiency and overall concentration of fluidized granular activated carbon (GAC) in microfiltration. <i>Chemical Engineering Research and Design</i> , 2018, 132, 28-39.	2.7	10
804	Ultrafiltration of residual fermentation brines from the production of table olives at different operating conditions. <i>Journal of Cleaner Production</i> , 2018, 189, 662-672.	4.6	15
805	Comparison of fouling propensity between reverse osmosis, forward osmosis, and membrane distillation. <i>Journal of Membrane Science</i> , 2018, 556, 352-364.	4.1	101
806	Boundary flux modelling for purification optimization of differently-pretreated agro-industrial wastewater with nanofiltration. <i>Separation and Purification Technology</i> , 2018, 193, 147-154.	3.9	9
807	Concentration of skim milk by means of dynamic filtration using overlapping rotating ceramic membrane disks. <i>International Dairy Journal</i> , 2018, 78, 11-19.	1.5	12
808	Ultrafiltration of whey: membrane performance and modelling using a combined pore blocking cake formation model. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1891-1900.	1.6	6
809	Hydraulic performance and fouling characteristics of a membrane sequencing batch reactor (MSBR) for landfill leachate treatment under various operating conditions. <i>Environmental Science and Pollution Research</i> , 2018, 25, 12274-12283.	2.7	6
810	Optimal control of physical backwash strategy - towards the enhancement of membrane filtration process performance. <i>Journal of Membrane Science</i> , 2018, 545, 38-48.	4.1	27
811	Analysis of the influence of module construction upon forward osmosis performance. <i>Desalination</i> , 2018, 431, 151-156.	4.0	12
812	Submerged or sidestream? The influence of module configuration on fouling and salinity in osmotic membrane bioreactors. <i>Journal of Membrane Science</i> , 2018, 548, 583-592.	4.1	34
813	New Developments in Membrane Technologies Used in the Treatment of Produced Water: A Review. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 2093-2118.	1.7	60
814	Operating Cost Reduction of In-line Coagulation/Ultrafiltration Membrane Process Attributed to Coagulation Condition Optimization for Irreversible Fouling Control. <i>Water (Switzerland)</i> , 2018, 10, 1076.	1.2	14
815	Control parings of a de-oiling membrane process. <i>IFAC-PapersOnLine</i> , 2018, 51, 126-131.	0.5	4
816	State-of-the-art of membrane flux enhancement in membrane bioreactor. <i>Cogent Engineering</i> , 2018, 5, 1489700.	1.1	11
817	Uniqueness of biofouling in forward osmosis systems: Mechanisms and control. <i>Critical Reviews in Environmental Science and Technology</i> , 2018, 48, 1031-1066.	6.6	9
818	Removal of Bacterial Contamination from Bioethanol Fermentation System Using Membrane Bioreactor. <i>Fermentation</i> , 2018, 4, 88.	1.4	11

#	ARTICLE	IF	CITATIONS
819	Concentration Polarization in Ultrafiltration/Nanofiltration for the Recovery of Polyphenols from Winery Wastewaters. <i>Membranes</i> , 2018, 8, 46.	1.4	46
820	Recovery of bruteridin and melitidin from clarified bergamot juice by membrane operations. <i>Journal of Food Process Engineering</i> , 2018, 41, e12870.	1.5	5
821	A review on anaerobic membrane bioreactors (AnMBRs) focused on modelling and control aspects. <i>Bioresource Technology</i> , 2018, 270, 612-626.	4.8	106
822	Understanding membrane fouling by oil-in-water emulsion via experiments and molecular dynamics simulations. <i>Journal of Membrane Science</i> , 2018, 566, 140-150.	4.1	58
823	The Use and Performance of Nanofiltration Membranes for Agro-Industrial Effluents Purification. , 0, , .		5
824	Wastewater treatment in a pilot-scale submerged membrane bioreactor: study of hydrodynamics under constant operating pressure. <i>Brazilian Journal of Chemical Engineering</i> , 2018, 35, 51-61.	0.7	1
825	Can osmotic membrane bioreactor be a realistic solution for water reuse?. <i>Npj Clean Water</i> , 2018, 1, .	3.1	19
826	Fluorescence enabled direct visual observation for diagnosis of ultrafiltration membrane fouling by biâ€dispersed submicron particle suspensions. <i>Water and Environment Journal</i> , 2018, 32, 519-526.	1.0	1
827	Separation of oil-in-water emulsions stabilized by different types of surfactants using electrospun fiber membranes. <i>Journal of Membrane Science</i> , 2018, 563, 247-258.	4.1	59
828	Hydrophilic modification and anti-fouling properties of PVDF membrane via in situ nano-particle blending. <i>Environmental Science and Pollution Research</i> , 2018, 25, 25227-25242.	2.7	18
829	Membrane bioreactors. , 2018, , 209-249.		12
830	Treatment of thermophilic hydrolysis reactor effluent with ceramic microfiltration membranes. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 1561-1571.	1.7	4
831	Membrane Fouling for Produced Water Treatment: A Review Study From a Process Control Perspective. <i>Water (Switzerland)</i> , 2018, 10, 847.	1.2	76
832	Striping phenomenon during cross-flow microfiltration of oil-in-water emulsions. <i>Separation and Purification Technology</i> , 2018, 207, 514-522.	3.9	16
833	On the rejection and reversibility of fouling in ultrafiltration as assessed by hydraulic impedance spectroscopy. <i>Journal of Membrane Science</i> , 2018, 564, 532-542.	4.1	10
834	Functionalized Graphene Oxide Modified Polyethersulfone Membranes for Low-Pressure Anionic Dye/Salt Fractionation. <i>Polymers</i> , 2018, 10, 795.	2.0	15
835	Assessment of oil fouling by oil-membrane interaction energy analysis. <i>Journal of Membrane Science</i> , 2018, 560, 21-29.	4.1	60
836	Fouling in Forward Osmosis Membranes: Mechanisms, Control, and Challenges. , 0, , .		2

#	ARTICLE	IF	CITATIONS
837	Fouling of Nanofiltration Membranes. , 2018, , .		3
838	Membrane Bioreactors for Wastewater Treatment. Comprehensive Analytical Chemistry, 2018, 81, 151-200.	0.7	26
839	A new combination of microfiltration, powdered activated carbon and coagulation for treatment of oily wastewater. International Journal of Environmental Science and Technology, 2019, 16, 5595-5610.	1.8	13
840	Nanoparticle filtration through microporous ECTFE membrane in an alcoholic solution. Separation and Purification Technology, 2019, 210, 754-763.	3.9	6
841	Control pairings of a deoiling membrane crossflow filtration process based on theoretical and experimental results. Journal of Process Control, 2019, 81, 98-111.	1.7	5
842	Mathematical and optimization modelling in desalination: State-of-the-art and future direction. Desalination, 2019, 469, 114092.	4.0	64
843	Numerical modeling of particulate fouling and cake-enhanced concentration polarization in roto-dynamic reverse osmosis filtration systems. Desalination, 2019, 468, 114053.	4.0	24
844	Renewable energy powered membrane technology: A review of the reliability of photovoltaic-powered membrane system components for brackish water desalination. Applied Energy, 2019, 253, 113524.	5.1	56
845	Investigation of the cohesive strength of membrane fouling layers formed during cross-flow microfiltration: The effects of pH adjustment on the properties and fouling characteristics of microcrystalline cellulose. Chemical Engineering Research and Design, 2019, 149, 52-64.	2.7	9
846	Investigating fouling at the pore-scale using a microfluidic membrane mimic filtration system. Scientific Reports, 2019, 9, 10587.	1.6	19
847	Chemical Cleaning of Ultrafiltration Membrane Fouled by Humic Substances: Comparison between Hydrogen Peroxide and Sodium Hypochlorite. International Journal of Environmental Research and Public Health, 2019, 16, 2568.	1.2	34
848	Tangential Flow Microfluidics for the Capture and Release of Nanoparticles and Extracellular Vesicles on Conventional and Ultrathin Membranes. Advanced Materials Technologies, 2019, 4, 1900539.	3.0	53
849	Mass Transport through Composite Asymmetric Membranes. , 2019, 23, 151-172.		0
850	Transient CFD Modelling of a full cycle dead-end Ultrafiltration Membrane. , 2019, , .		0
851	Membrane technologies for microalgal cultivation and dewatering: Recent progress and challenges. Algal Research, 2019, 44, 101686.	2.4	49
852	Impact of Membrane Pore Size on the Clarification Performance of Grape Marc Extract by Microfiltration. Membranes, 2019, 9, 146.	1.4	17
853	Laboratory-scale studies on the removal of cesium with a submerged membrane adsorption reactor. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 853-859.	0.7	4
854	Recycling of dicing and grinding wastewater generated by IC packaging and testing factories <sup>1/4</sup> A case study using UF membrane technology. Journal of Water Process Engineering, 2019, 32, 100937.	2.6	5



#	ARTICLE	IF	CITATIONS
855	Membrane Separations in the Dairy Industry. , 2019, , 267-304.		14
856	Analysis of the Flux Performance of Different RO/NF Membranes in the Treatment of Agroindustrial Wastewater by Means of the Boundary Flux Theory. Membranes, 2019, 9, 2.	1.4	10
857	Microfiltration in Pharmaceuticals and Biotechnology. , 2019, , 29-67.		10
858	Threshold flux in concentration mode: Fouling control during clarification of molasses by ultrafiltration. Journal of Membrane Science, 2019, 586, 130-139.	4.1	24
859	Design, performance characterization and hydrodynamic modeling of intermeshed spinning basket membrane (ISBM) module. Chemical Engineering Science, 2019, 206, 446-462.	1.9	6
860	Milk Protein Fractionation by Means of Spiral-Wound Microfiltration Membranes: Effect of the Pressure Adjustment Mode and Temperature on Flux and Protein Permeation. Foods, 2019, 8, 180.	1.9	39
861	Simple Theoretical Results on Reversible Fouling in Cross-Flow Membrane Filtration. Membranes, 2019, 9, 48.	1.4	1
862	A comparative study on nitric oxide and hypochlorite as a membrane cleaning agent to minimise biofilm growth in a membrane bioreactor (MBR) process. Biochemical Engineering Journal, 2019, 148, 9-15.	1.8	12
863	Systematic insight into the short-term and long-term effects of magnetic microparticles and nanoparticles on critical flux in membrane bioreactors. Journal of Membrane Science, 2019, 582, 284-288.	4.1	9
864	Membrane-based separation for oily wastewater: A practical perspective. Water Research, 2019, 156, 347-365.	5.3	378
865	Evidence, Determination, and Implications of Membrane-Independent Limiting Flux in Forward Osmosis Systems. Environmental Science & Technology, 2019, 53, 4380-4388.	4.6	16
867	Performance of nanofiltration process during concentration of strawberry juice. Journal of Food Science and Technology, 2019, 56, 2312-2319.	1.4	17
868	Synergistic effects of organic and inorganic additives in preparation of composite poly(vinylidene fluoride)/poly(ethylene glycol) hydrogel membranes for water treatment. Journal of Membrane Science, 2019, 582, 1-13.	1.3	13
869	Separation of sago starch from model suspensions by tangential flow filtration. Chemical Engineering Communications, 2019, 206, 1058-1071.	1.5	2
870	Recovery of phenolic compounds from pequi (Caryocar brasiliense Camb.) fruit extract by membrane filtrations: Comparison of direct and sequential processes. Journal of Food Engineering, 2019, 257, 26-33.	2.7	34
871	Rendering plant wastewater reclamation by coagulation, sand filtration, and ultrafiltration. Chemosphere, 2019, 227, 207-215.	4.2	24
872	Co-current crossflow microfiltration in a microchannel. Biomedical Microdevices, 2019, 21, 12.	1.4	2
873	Membrane Filtration Processes for the Treatment of Nonalcoholic Beverages. , 2019, , 175-207.		4

#	ARTICLE	IF	CITATIONS
874	Membrane Fouling and Performance of Flat Ceramic Membranes in the Application of Drinking Water Purification. <i>Water (Switzerland)</i> , 2019, 11, 2606.	1.2	21
875	Development and Characterization of an Enzyme Membrane Reactor for Fructo-Oligosaccharide Production. <i>Membranes</i> , 2019, 9, 148.	1.4	18
876	Processing of high-protein yoghurt " A review. <i>International Dairy Journal</i> , 2019, 88, 42-59.	1.5	106
877	Permeate flux increase by colloidal fouling control in a vibration enhanced reverse osmosis membrane desalination system. <i>Desalination</i> , 2019, 453, 22-36.	4.0	20
878	Tuning the functional groups of a graphene oxide membrane by -OH contributes to the nearly complete prevention of membrane fouling. <i>Journal of Membrane Science</i> , 2019, 576, 190-197.	4.1	14
879	Enhancing fouling mitigation of submerged flat-sheet membranes by vibrating 3D-spacers. <i>Separation and Purification Technology</i> , 2019, 215, 70-80.	3.9	44
880	Gravity-driven membrane filtration for water and wastewater treatment: A review. <i>Water Research</i> , 2019, 149, 553-565.	5.3	306
881	Membrane Filtration with Liquids: A Global Approach with Prior Successes, New Developments and Unresolved Challenges. <i>Angewandte Chemie</i> , 2019, 131, 1908-1918.	1.6	10
882	Transport and deposition of colloidal particles on a patterned membrane surface: Effect of cross-flow velocity and the size ratio of particle to surface pattern. <i>Journal of Membrane Science</i> , 2019, 572, 309-319.	4.1	34
883	Membrane Technology for the Purification of Enzymatically Produced Oligosaccharides. , 2019, , 113-153.		4
884	Simulation of membrane ageing to go ahead in fouling and cleaning understanding during skim milk ultrafiltration. <i>Food and Bioproducts Processing</i> , 2019, 113, 22-31.	1.8	5
885	Critical flux-based membrane fouling control of forward osmosis: Behavior, sustainability, and reversibility. <i>Journal of Membrane Science</i> , 2019, 570-571, 380-393.	4.1	57
886	RO Membrane Fouling. , 2019, , 189-220.		13
887	Membrane Filtration with Liquids: A Global Approach with Prior Successes, New Developments and Unresolved Challenges. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1892-1902.	7.2	46
888	Stability of antibacterial modification of nanofibrous PA6/DTAB membrane during air filtration. <i>Materials Science and Engineering C</i> , 2019, 96, 807-813.	3.8	15
889	Novel Anaerobic Electrochemical Membrane Bioreactor with a CNTs Hollow Fiber Membrane Cathode to Mitigate Membrane Fouling and Enhance Energy Recovery. <i>Environmental Science &amp; Technology</i> , 2019, 53, 1014-1021.	4.6	71
890	Fouling mechanisms in constant flux crossflow ultrafiltration. <i>Journal of Membrane Science</i> , 2019, 574, 65-75.	4.1	109
891	Critical flux and fouling mechanism in cross flow microfiltration of oil emulsion: Effect of viscosity and bidispersity. <i>Separation and Purification Technology</i> , 2019, 212, 684-691.	3.9	21

#	ARTICLE	IF	CITATIONS
892	Current Status and Future Prospects of Membrane Bioreactors (MBRs) and Fouling Phenomena: A Systematic Review. Canadian Journal of Chemical Engineering, 2019, 97, 32-58.	0.9	79
893	Integration of membrane separation and Fenton processes for sanitary landfill leachate treatment. Environmental Technology (United Kingdom), 2019, 40, 2897-2905.	1.2	22
894	Filterability of exopolysaccharides solutions from the red microalga <i>Porphyridium cruentum</i> by tangential filtration on a polymeric membrane. Environmental Technology (United Kingdom), 2020, 41, 1167-1184.	1.2	9
895	Enhancement of sustainable flux by optimizing filtration mode of a high-solid anaerobic membrane bioreactor during long-term continuous treatment of food waste. Water Research, 2020, 168, 115195.	5.3	51
896	Layered organization of anisometric cellulose nanocrystals and beidellite clay particles accumulated near the membrane surface during cross-flow ultrafiltration: In situ SAXS and ex situ SEM/WAXD characterization. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 584, 124030.	2.3	8
897	Intensification of lignocellulosic bioethanol production process using continuous double-staged immersed membrane bioreactors. Bioresource Technology, 2020, 296, 122314.	4.8	16
898	The roles of particles in enhancing membrane filtration: A review. Journal of Membrane Science, 2020, 595, 117570.	4.1	55
899	Permeate flux hysteresis with transmembrane pressure in the gel controlling membrane filtration. Journal of Food Engineering, 2020, 264, 109689.	2.7	2
900	Synergy of biofuel production with waste remediation along with value-added co-products recovery through microalgae cultivation: A review of membrane-integrated green approach. Science of the Total Environment, 2020, 698, 134169.	3.9	126
901	Pretreatment for the reclamation of rendering plant secondary effluent with NF/RO: UF flat sheet versus UF hollow fiber membranes. Clean Technologies and Environmental Policy, 2020, 22, 399-408.	2.1	6
902	Shelf life extension of sugarcane juice by cross flow hollow fibre ultrafiltration. Journal of Food Engineering, 2020, 274, 109880.	2.7	21
903	Asymmetric Al <sub>2</sub> O <sub>3</sub> and PES/Al <sub>2</sub> O <sub>3</sub> hollow fiber membranes for green tea extract clarification. Journal of Food Engineering, 2020, 277, 109889.	2.7	7
904	Impact of Magnetically Induced Vibration on the Performance of Pilot-Scale Membrane Bioreactor. Journal of Environmental Engineering, ASCE, 2020, 146, 04020001.	0.7	6
905	Achievements in low-pressure membrane processes microfiltration (MF) and ultrafiltration (UF) for wastewater and water treatment. , 2020, , 67-107.		9
906	Critical flux behavior of ultrathin membranes in protein-rich solutions. Separation and Purification Technology, 2020, 251, 117342.	3.9	9
907	Perspective of Membrane Technology in Pomegranate Juice Processing: A Review. Foods, 2020, 9, 889.	1.9	29
908	Prediction of the Limiting Flux and Its Correlation with the Reynolds Number during the Microfiltration of Skim Milk Using an Improved Model. Foods, 2020, 9, 1621.	1.9	5
909	Polysulfone-Gd <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> mixed-matrix membranes with superior radiation resistant properties: Fabrication and application of a membrane device for radioactive effluent treatment. Chemical Engineering Journal Advances, 2020, 1, 100006.	2.4	4

#	ARTICLE	IF	CITATIONS
910	Operating parameters optimization of combined UF/NF dual-membrane process for brackish water treatment and its application performance in municipal drinking water treatment plant. <i>Journal of Water Process Engineering</i> , 2020, 38, 101547.	2.6	15
911	Fouling Analysis and the Recovery of Phytosterols from Orange Juice Using Regenerated Cellulose Ultrafiltration Membranes. <i>Food and Bioprocess Technology</i> , 2020, 13, 2012-2028.	2.6	14
912	Clarification of 1,3-Propanediol Fermentation Broths by Using a Ceramic Fine UF Membrane. <i>Membranes</i> , 2020, 10, 319.	1.4	14
913	Performance of asymmetric spinel hollow fiber membranes for hibiscus ( <i>Hibiscus sabdariffa</i> L.) extract clarification: Flux modeling and extract stability. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14948.	0.9	3
914	An efficient removal of crystal violet from aqueous solution using rhamnolipid micellar solubilization followed by ultrafiltration and modeling of flux decline. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104443.	3.3	5
915	Nanofiltration for Decolorization: Membrane Fabrication, Applications and Challenges. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 19858-19875.	1.8	36
916	Roles of soluble microbial products and extracellular polymeric substances in membrane fouling. , 2020, , 45-79.		4
917	Stochastic Collision-Based Attachment-Based Monte Carlo Simulation of Colloidal Fouling: Transition from Foulant-Clean-Membrane Interaction to Foulant-Fouled-Membrane Interaction. <i>Environmental Science &amp; Technology</i> , 2020, 54, 12703-12712.	4.6	19
918	Dynamic monitoring and proactive fouling management in a pilot scale gas-sparged anaerobic membrane bioreactor. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2914-2925.	1.2	3
919	Performance of electrospun polystyrene membranes in synthetic produced industrial water using direct-contact membrane distillation. <i>Desalination</i> , 2020, 493, 114663.	4.0	30
920	Simulating and predicting the flux change of reverse osmosis membranes over time during wastewater reclamation caused by organic fouling. <i>Environment International</i> , 2020, 140, 105744.	4.8	35
921	Antifouling Ability of Hydrophilic PVDF-TiO <sub>2</sub> membrane Evaluated by Critical Flux and Threshold Flux. <i>E3S Web of Conferences</i> , 2020, 144, 01015.	0.2	0
922	Colloidal fouling in electrodialysis: A neural differential equations model. <i>Separation and Purification Technology</i> , 2020, 249, 116939.	3.9	22
923	Effects of a novel bimetallic catalytic biofilter-based pretreatment technique on the form of ultrafiltration membrane fouling. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 2513-2522.	1.7	1
924	Permeability is the Critical Factor Governing the Life Cycle Environmental Performance of Drinking Water Treatment Using Living Filtration Membranes. <i>Environmental Science &amp; Technology</i> , 2020, 54, 7651-7658.	4.6	2
925	The relevance of critical flux concept in the concentration of skim milk using forward osmosis and reverse osmosis. <i>Journal of Membrane Science</i> , 2020, 611, 118357.	4.1	11
926	Microtechnological Tools to Achieve Sustainable Food Processes, Products, and Ingredients. <i>Food Engineering Reviews</i> , 2020, 12, 101-120.	3.1	9
927	Membrane fouling by clay suspensions during NF-like forward osmosis: Characterization via optical coherence tomography. <i>Journal of Membrane Science</i> , 2020, 602, 117965.	4.1	20

#	ARTICLE	IF	CITATIONS
928	Unraveling effects of Dean vortices on membrane fouling in a sinusoidally curved channel. <i>Journal of Membrane Science</i> , 2020, 603, 118008.	4.1	7
929	Hydrodynamic performance of 3D printed turbulence promoters in cross-flow ultrafiltrations of <i>Psidium myrtoides</i> extract. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 154, 108005.	1.8	14
930	Role of electrocoagulation in wastewater treatment: A developmental review. <i>Journal of Water Process Engineering</i> , 2020, 37, 101440.	2.6	157
931	Anaerobic membrane bioreactors for industrial wastewater treatment. , 2020, , 167-196.		3
932	A regenerable antifouling membrane bearing a photoresponsive crosslinked polyethylenimine layer. <i>Journal of Membrane Science</i> , 2020, 604, 117955.	4.1	7
933	Design and Efficient Construction of Bilayer Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> Mesoporous Membranes for Effective Treatment of Suspension Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 4721-4731.	1.8	15
934	Microalgae Filtration Using an Electrochemically Reactive Ceramic Membrane: Filtration Performances, Fouling Kinetics, and Foulant Layer Characteristics. <i>Environmental Science &amp; Technology</i> , 2020, 54, 2012-2021.	4.6	43
935	The behavior of suspensions and macromolecular solutions in crossflow microfiltration: An update. <i>Journal of Membrane Science</i> , 2020, 601, 117865.	4.1	79
936	Ultrasonication favors TiO <sub>2</sub> nano-particles dispersion in PVDF ultrafiltration membrane to effectively enhance membrane hydrophilicity and anti-fouling capability. <i>Environmental Science and Pollution Research</i> , 2020, 27, 9503-9519.	2.7	8
937	Kinetic and mechanistic aspects of ultrafiltration membrane fouling by nano- and microplastics. <i>Journal of Membrane Science</i> , 2020, 601, 117890.	4.1	109
938	Fouling resistance of 3-[[3-(trimethoxysilane)-propyl] amino] propane-1-sulfonic acid zwitterion modified poly (vinylidene fluoride) membranes. <i>Separation and Purification Technology</i> , 2020, 239, 116589.	3.9	20
939	The removal of phospholipid from crude rapeseed oil by enzyme-membrane binding. <i>Journal of Food Engineering</i> , 2020, 280, 109910.	2.7	3
940	Cross-Flow Microfiltration of Glycerol Fermentation Broths with <i>Citrobacter freundii</i> . <i>Membranes</i> , 2020, 10, 67.	1.4	13
941	Recent advances and perspectives of ultrasound assisted membrane food processing. <i>Food Research International</i> , 2020, 133, 109163.	2.9	43
942	Insight into organic fouling behavior in polyamide thin-film composite forward osmosis membrane: Critical flux and its impact on the economics of water reclamation. <i>Journal of Membrane Science</i> , 2020, 606, 118118.	4.1	26
943	Membrane-Based Operations in the Fruit Juice Processing Industry: A Review. <i>Beverages</i> , 2020, 6, 18.	1.3	64
944	The application of error function for normalized flux prediction in dead-end microfiltration (MF) process. <i>Separation Science and Technology</i> , 2021, 56, 117-128.	1.3	3
945	Organic solvent filtration by brush membranes: Permeability, selectivity and fouling correlate with degree of SET-LRP grafting. <i>Journal of Membrane Science</i> , 2021, 618, 118699.	4.1	8

#	ARTICLE	IF	CITATIONS
946	Evaluation of concentration process of bovine, goat and buffalo whey proteins by ultrafiltration. <i>Journal of Food Science and Technology</i> , 2021, 58, 1663-1672.	1.4	4
947	Melittin recovery with efficient phospholipase A2 removal of apitoxin from cross-flow ultrafiltration process. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 801-808.	1.6	0
948	New developments in membranes for bioprocessing – A review. <i>Journal of Membrane Science</i> , 2021, 620, 118804.	4.1	44
949	Tangential streaming potential, transmembrane flux, and chemical cleaning of ultrafiltration membranes. <i>Separation and Purification Technology</i> , 2021, 258, 118045.	3.9	7
950	Engineering antifouling reverse osmosis membranes: A review. <i>Desalination</i> , 2021, 499, 114857.	4.0	192
951	Consequences of membrane aging on real or misleading evaluation of membrane cleaning by flux measurements. <i>Separation and Purification Technology</i> , 2021, 259, 118044.	3.9	7
952	Modeling flux in tangential flow filtration using a reverse asymmetric membrane for Chinese hamster ovary cell clarification. <i>Biotechnology Progress</i> , 2021, 37, e3115.	1.3	4
953	Continuous municipal wastewater up-concentration by direct membrane filtration, considering the effect of intermittent gas scouring and threshold flux determination. <i>Journal of Water Process Engineering</i> , 2021, 39, 101733.	2.6	11
954	Modeling tangential flow filtration using reverse asymmetric membranes for bioreactor harvesting. <i>Biotechnology Progress</i> , 2021, 37, e3084.	1.3	3
955	Comparison of filtering models for milk substitutes. <i>Journal of Food Science and Technology</i> , 2021, 58, 4429-4436.	1.4	5
956	Enzymatic Cleaning Mitigates Polysaccharide-Induced Refouling of RO Membrane: Evidence from Fouling Layer Structure and Microbial Dynamics. <i>Environmental Science &amp; Technology</i> , 2021, 55, 5453-5462.	4.6	21
957	The Use of Ultrasound in the Recovery of Food Materials: Sonocrystallization and Membrane Processing. , 2021, , 367-392.		0
958	Recovery and Purification of Protein Aggregates From Cell Lysates Using Ceramic Membranes: Fouling Analysis and Modeling of Ultrafiltration. <i>Frontiers in Chemical Engineering</i> , 2021, 3, .	1.3	7
959	Comparison of fouling behaviors between activated sludge suspension in MBR and EPS model solutions: A new combined model. <i>Journal of Membrane Science</i> , 2021, 621, 119020.	4.1	19
960	Comparative Assessment of Tubular Ceramic, Spiral Wound, and Hollow Fiber Membrane Microfiltration Module Systems for Milk Protein Fractionation. <i>Foods</i> , 2021, 10, 692.	1.9	10
961	Fouling mechanism of PVDF ultrafiltration membrane for secondary effluent treatment from paper mills. <i>Chemical Engineering Research and Design</i> , 2021, 167, 37-45.	2.7	11
962	Changing the conventional clarification method in metal sulfide precipitation by a membrane-based filtration process. <i>Journal of Materials Research and Technology</i> , 2021, 11, 693-709.	2.6	7
963	Study of Turbulence Promoters in Prolonging Membrane Life. <i>Membranes</i> , 2021, 11, 268.	1.4	8



#	ARTICLE	IF	CITATIONS
964	Modelling the critical roles of zeta potential and contact angle on colloidal fouling with a coupled XDLVO - collision attachment approach. <i>Journal of Membrane Science</i> , 2021, 623, 119048.	4.1	39
965	Long-Term Operation of a Pilot-Scale Membrane Bioreactor Treating Brewery Wastewater: Relaxation as a Method for Detection of Membrane Fouling. <i>Journal of Environmental Engineering, ASCE</i> , 2021, 147, .	0.7	4
966	Dynamic CFD modelling of an industrial-scale dead-end ultrafiltration system: Full cycle and complete blockage. <i>Journal of Water Process Engineering</i> , 2021, 40, 101887.	2.6	3
967	Assessment of an Anaerobic Membrane Bioreactor (AnMBR) Treating Medium-Strength Synthetic Wastewater under Cyclical Membrane Operation. <i>Membranes</i> , 2021, 11, 415.	1.4	6
968	Prediction of Permeate Flux in Ultrafiltration Processes: A Review of Modeling Approaches. <i>Membranes</i> , 2021, 11, 368.	1.4	20
969	Novel housing designs for nanofiltration and ultrafiltration gravity-driven recycled membrane-based systems. <i>Science of the Total Environment</i> , 2021, 767, 144181.	3.9	13
971	Forward Black Liquor Acid Precipitation: Lignin Fractionation by Ultrafiltration. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 3079-3097.	1.4	9
972	A comprehensive review of membrane fouling and cleaning methods with emphasis on ultrasound-assisted fouling control processes. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 1531-1555.	1.2	22
973	Deep learning model for simulating influence of natural organic matter in nanofiltration. <i>Water Research</i> , 2021, 197, 117070.	5.3	28
974	Roles and performance enhancement of feed spacer in spiral wound membrane modules for water treatment: A 20-year review on research evolvement. <i>Water Research</i> , 2021, 198, 117146.	5.3	54
975	Membrane filtration of dextran solutions with water and formamide as solvent. <i>Separation Science and Technology</i> , 0, , 1-19.	1.3	0
976	Effects of Sludge Characteristics on the Critical Flux of an AnMBR for Sludge Treatment. <i>Chemie-Ingenieur-Technik</i> , 2021, 93, 1375-1382.	0.4	1
978	Membrane Fouling Phenomena in Microfluidic Systems: From Technical Challenges to Scientific Opportunities. <i>Micromachines</i> , 2021, 12, 820.	1.4	19
979	Adsorption-Enhanced Ceramic Membrane Filtration Using Fenton Oxidation for Advanced Treatment of Refinery Wastewater: Treatment Efficiency and Membrane-Fouling Control. <i>Membranes</i> , 2021, 11, 651.	1.4	5
980	Simulating fouling impact on the permeate flux in high-pressure membranes. <i>International Journal of Advanced and Applied Sciences</i> , 2021, 8, 1-8.	0.2	3
981	Air-sintered silicon (Si)-bonded silicon carbide (SiC) hollow fiber membranes for oil/water separation. <i>Journal of the European Ceramic Society</i> , 2022, 42, 402-411.	2.8	18
982	Lipid reduction to improve clarification and filterability during primary recovery of intracellular products in yeast lysates using exogenous lipase. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 3166.	1.6	1
983	Modeling of fouling mechanisms in the biodiesel purification using ceramic membranes. <i>Separation and Purification Technology</i> , 2021, 269, 118595.	3.9	13



#	ARTICLE	IF	CITATIONS
984	Progress in Research and Application of Nanofiltration (NF) Technology for Brackish Water Treatment. <i>Membranes</i> , 2021, 11, 662.	1.4	27
985	A critical review of biomass kinetics and membrane filtration models for membrane bioreactor systems. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106406.	3.3	13
986	Characterization of an aerated submerged hollow fiber ultrafiltration device for efficient microalgae harvesting. <i>Engineering in Life Sciences</i> , 2021, 21, 607-622.	2.0	11
987	Metal sulfide precipitation coupled with membrane filtration process for recovering copper from acid mine drainage. <i>Separation and Purification Technology</i> , 2021, 270, 118721.	3.9	33
988	Membrane research beyond materials science. <i>Journal of Membrane Science</i> , 2022, 643, 119902.	4.1	41
989	A predictive model of nanoparticle capture on ultrathin nanoporous membranes. <i>Journal of Membrane Science</i> , 2021, 633, 119357.	4.1	3
990	Recent development in nanofiltration (NF) membranes and their diversified applications. <i>Emergent Materials</i> , 2022, 5, 1311-1328.	3.2	14
991	Critical flux on a submerged membrane bioreactor for nitrification of source separated urine. <i>Chemical Engineering Research and Design</i> , 2021, 153, 518-526.	2.7	12
992	Evaluating Protein Fouling on Membranes Patterned by Woven Mesh Fabrics. <i>Membranes</i> , 2021, 11, 730.	1.4	3
993	Integration of oxalic acid chelation and Fenton process for synergistic relaxation-oxidation of persistent gel-like fouling of ceramic nanofiltration membranes. <i>Journal of Membrane Science</i> , 2021, 636, 119553.	4.1	12
994	Strategy study of critical flux/threshold flux on alleviating protein fouling of PVDF-TiO <sub>2</sub> modified membrane. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106148.	3.3	6
995	Hydrophobisation of electrospun nanofiber membranes by plasma deposited CF coating. <i>Surfaces and Interfaces</i> , 2021, 26, 101333.	1.5	2
996	Development of a new method to evaluate critical flux and system reliability based on particle properties in a membrane bioreactor. <i>Chemosphere</i> , 2021, 280, 130763.	4.2	3
997	Internal membrane fouling by proteins during microfiltration. <i>Journal of Membrane Science</i> , 2021, 637, 119589.	4.1	24
998	Dissect the role of particle size through collision-attachment simulations for colloidal fouling of RO/NF membranes. <i>Journal of Membrane Science</i> , 2021, 638, 119679.	4.1	13
999	Spectroscopic sensing of membrane fouling potential in a long-term running anaerobic membrane bioreactor. <i>Chemical Engineering Journal</i> , 2021, 426, 130799.	6.6	10
1000	Fouling in membrane filtration for juice processing. <i>Current Opinion in Food Science</i> , 2021, 42, 76-85.	4.1	26
1001	Incorporation of barium titanate nanoparticles in piezoelectric PVDF membrane. <i>Journal of Membrane Science</i> , 2021, 640, 119861.	4.1	32

#	ARTICLE	IF	CITATIONS
1002	Impact of C-CVD synthesis conditions on the hydraulic and electronic properties of SiC/CNTs nanocomposite microfiltration membranes. <i>Diamond and Related Materials</i> , 2021, 120, 108611.	1.8	4
1003	Fouling behavior of nanoporous ceramic membranes in the filtration of oligosaccharides at different temperatures. <i>Separation and Purification Technology</i> , 2021, 278, 119589.	3.9	12
1006	Gas-Sparged Ultrafiltration: Recent Trends, Applications and Future Challenges. , 2011, , 669-697.		1
1007	Membrane Bioreactor (MBR) as an Advanced Wastewater Treatment Technology. <i>Handbook of Environmental Chemistry</i> , 2008, , 37-101.	0.2	55
1008	Critical Flux. , 2015, , 1-3.		3
1009	Direct Wastewater Membrane Filtration for Advanced Particle Removal from Raw Wastewater. , 2000, , 235-244.		5
1010	Mass transport and the design of membrane systems. , 1996, , 67-113.		11
1011	Insight into fouling behavior of poly(vinylidene fluoride) (PVDF) hollow fiber membranes caused by dextran with different pore size distributions. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 268-277.	1.7	41
1012	Chemical cleaning of mullite ceramic microfiltration membranes which are fouled during oily wastewater treatment. <i>Journal of Water Process Engineering</i> , 2017, 19, 81-95.	2.6	37
1013	Critical flux of colloidal foulant in microfiltration: Effect of organic solvent. <i>Journal of Membrane Science</i> , 2020, 616, 118531.	4.1	14
1015	Chapter 5. Membrane Separations in Food Processing. <i>RSC Green Chemistry</i> , 0, , 184-253.	0.0	3
1016	Hydrodynamic factors affecting flux and fouling during ultrafiltration of skimmed milk. <i>Dairy Science and Technology</i> , 2000, 80, 165-174.	0.9	43
1017	Surface Modification of Membranes for Fouling Reduction. <i>Copernican Letters</i> , 0, 6, 59.	0.0	2
1018	Use of laminar flow water storage tank (LFWS) to mitigate the membrane fouling for reuse of wastewater from wafer processes. <i>Membrane Water Treatment</i> , 2012, 3, 221-230.	0.5	2
1019	Microfiltration of <i>Chlorella</i> sp.: Influence of material and membrane pore size. <i>Membrane Water Treatment</i> , 2013, 4, 143-155.	0.5	14
1020	Concentration of skim milk by reverse osmosis: characterization and flow decline modelling. <i>Brazilian Journal of Food Technology</i> , 0, 22, .	0.8	4
1021	Stable operation of MBR under high permeate flux. <i>Water Practice and Technology</i> , 2012, 7, .	1.0	3
1022	Experimental study of the flux Law of flat ceramic membranes under different pressures. <i>Water Practice and Technology</i> , 2020, 15, 416-425.	1.0	1

#	ARTICLE	IF	CITATIONS
1024	Construction of Long-Term Transmembrane Pressure Estimation Model for a Membrane Bioreactor. Journal of Computer Aided Chemistry, 2012, 13, 10-19.	0.3	4
1028	THE EFFECT OF AIR BUBBLES FROM DISSOLVED GASES ON THE MEMBRANE FOULING IN THE HOLLOW FIBER SUBMERGED MEMBRANE BIO-REACTOR (SMBR). Environmental Engineering Research, 2006, 11, 91-98.	1.5	8
1029	Pretreatment of Aqueous Pectin Solution by Cross-Flow Microfiltration: Study on Fouling Mechanism. International Journal of Chemical Engineering and Applications (IJCEA), 2014, 5, 281-286.	0.3	2
1031	Factors Affecting Reversible Pollution of Immersed Ultrafiltration Membrane in Treatment of Surface Water: Pilot Scale Studies. Water Practice and Technology, 2010, 5, .	1.0	0
1032	Investigation of Al-hydroxide Precipitate Fouling on the Nanofiltration Membrane System with Coagulation Pretreatment: Effect of Inorganic Compound, Organic Compound, and Their Combination. Environmental Engineering Research, 2011, 16, 149-157.	1.5	1
1033	Study on Sono-Photocatalytic Degradation of POPs: A Case Study Hydrating Polyacrylamide in Wastewater. , 0, , .		1
1035	Milk Microfiltration. , 2013, , 1-2.		0
1036	A Study on Fouling Characteristics and Applicability of Fouling Reducer in Submerged MBR Process. Daehan Hwan'gyeong Gonghag Hoeji, 2013, 35, 371-380.	0.4	1
1037	Membrane Filtration. Contemporary Food Engineering, 2013, , 145-182.	0.2	1
1038	Membrane Processes in Juice Production. Contemporary Food Engineering, 2014, , 265-300.	0.2	0
1039	Recent studies on separation of biological substances using membranes.. Membrane, 1996, 21, 57-65.	0.0	0
1041	Polymer Inclusion Membranes. , 2015, , 742-759.		0
1042	Critical Flux. , 2016, , 475-477.		0
1043	Micro- and Nanoengineering: Relevance in Food Processing. , 2016, , .		0
1044	Fouling. , 2016, , 807-811.		0
1045	The Practical Study for the Treatment of Fish Processing Saline Wastewater Using Immersed MBR. Daehan Hwan'gyeong Gonghag Hoeji, 2016, 38, 469-475.	0.4	0
1046	Fouling and cleaning of a tubular ultrafiltration ceramic membrane. Membrane Water Treatment, 2016, 7, 433-449.	0.5	0
1047	Evaluation of membrane fouling by MBR operation conditions in MBR-RO. Journal of the Korean Society of Water and Wastewater, 2016, 30, 545-551.	0.3	0

#	ARTICLE	IF	CITATIONS
1048	A Study on Operating Condition of Test-Bed Plant using Membrane filtration of D Water Treatment Plant in Gwang-Ju. Daehan Hwan'gyeong Gonghag Hoeji, 2017, 39, 155-163.	0.4	2
1049	Fruit and Vegetable Juice Processing Applications. Contemporary Food Engineering, 2017, , 195-240.	0.2	0
1050	Wine Production Using Membranes. Contemporary Food Engineering, 2017, , 149-194.	0.2	0
1053	Economic Assessment for Cold Sterilization and Clarification of Pineapple Juice and Coconut Water using Microfiltration. Journal of Applied Membrane Science & Technology, 2017, 17, .	0.3	2
1054	Chapter 11. Membrane Separations. RSC Green Chemistry, 2018, , 418-498.	0.0	0
1055	Microfiltration with periodic gas backwashing as an alternative technique for increasing permeate flux. Hemijska Industrija, 2018, 72, 59-68.	0.3	0
1056	Reducing the Scaling Potential of Oil and Gas Produced Waters with Integrated Accelerated Precipitation Softening and Microfiltration. Journal of Water Technology and Treatment Methods, 2018, 1, .	0.4	0
1057	INFLUENCE OF FILTRATION FLUX ON FOULING LAYER FORMATION IN GRAVITY-DRIVEN MEMBRANE FILTRATION. Journal of Japan Society of Civil Engineers Ser C (Environmental Research), 2019, 75, 1-12.	0.1	0
1059	Pilot Tests and Fouling Identification in the Ultrafiltration of Model Oily and Saline Wastewaters. Ecological Chemistry and Engineering S, 2019, 26, 493-507.	0.3	1
1060	Impact Assessment of Mixed Liquor Suspended Solids from Polyurethane Media Effluent on Ceramic Membrane Fouling in Anaerobic Hybrid Membrane Bioreactor. Journal of Environmental Engineering, ASCE, 2022, 148, .	0.7	1
1061	Membrane Processes in Water and Wastewater Treatment. Impact of Meat Consumption on Health and Environmental Sustainability, 2020, , 109-136.	0.4	0
1062	Renewable Energy Powered Membrane Technology: Energy Consumption Analysis of Ultrafiltration Backwash Configurations. SSRN Electronic Journal, 0, , .	0.4	0
1063	Microfiltration of Oil-in-water Emulsion Using Modified Ceramic Membrane: Surface Properties, Membrane Resistance, Critical Flux, and Cake Behavior. Materials Research, 0, 25, .	0.6	2
1064	A novel loosely structured nanofiltration membrane bioreactor for wastewater treatment: Process performance and membrane fouling. Journal of Membrane Science, 2022, 644, 120128.	4.1	19
1065	Mechanistic insights into the membrane fouling mechanism during ultrafiltration of high-concentration proteins via in-situ electrical impedance spectroscopy (EIS). Journal of Industrial and Engineering Chemistry, 2022, 106, 429-448.	2.9	7
1066	Identification of sustainable filtration mode of an anaerobic membrane bioreactor for wastewater treatment towards low-fouling operation and efficient bioenergy production. Journal of Cleaner Production, 2021, 329, 129686.	4.6	16
1067	Effect of Surface Hydrophilicity of Symmetric Polytetrafluoroethylene Flat-sheet Membranes on Membrane Fouling in a Submerged Membrane Bioreactor. Japanese Journal of Water Treatment Biology, 2021, 57, 79-89.	0.2	0
1068	Whey Recovery Using NF-Like Forward Osmosis: An OCT-Based Approach to Interpreting the Fouling Behavior. SSRN Electronic Journal, 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
1069	A new combined cake-complete model with the cake resistance corrected by cake filtration equilibrium coefficient in cross-flow microfiltration. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106956.	3.3	2
1070	Comparison of the reverse osmosis membrane fouling behaviors of different types of water samples by modeling the flux change over time. <i>Chemosphere</i> , 2022, 289, 133217.	4.2	8
1071	Membrane fouling mechanisms by BSA in aqueous-organic solvent mixtures. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 108, 389-399.	2.9	12
1072	Upscaling 3D Engineered Trees for Off-Grid Desalination. <i>Environmental Science &amp; Technology</i> , 2022, 56, 1289-1299.	4.6	26
1073	An Ultrahigh-Flux Nanoporous Graphene Membrane for Sustainable Seawater Desalination using Low-Grade Heat. <i>Advanced Materials</i> , 2022, 34, e2109718.	11.1	25
1074	Renewable energy powered membrane technology: Energy consumption analysis of ultrafiltration backwash configurations. <i>Separation and Purification Technology</i> , 2022, 287, 120388.	3.9	7
1075	Micellar enhanced ultrafiltration in the treatment of dye wastewater: Fundamentals, state-of-the-art and future perspectives. <i>Groundwater for Sustainable Development</i> , 2022, 17, 100730.	2.3	13
1076	A review on anaerobic membrane bioreactors for enhanced valorization of urban organic wastes: Achievements, limitations, energy balance and future perspectives. <i>Science of the Total Environment</i> , 2022, 820, 153284.	3.9	33
1077	Integrated Membrane Process Coupled with Metal Sulfide Precipitation to Recover Zinc and Cyanide. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 229.	0.8	2
1078	Permeate Flux in Ultrafiltration Processes—Understandings and Misunderstandings. <i>Membranes</i> , 2022, 12, 187.	1.4	11
1080	Fouling Characteristics of Microcrystalline Cellulose During cross-Flow Microfiltration: Insights from Fluid Dynamic gauging and Molecular Dynamics Simulations. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1081	Advanced characterization of membrane surface fouling. , 2022, , 499-532.		2
1082	A Novel Application of Recycled Ultrafiltration Membranes in an Aerobic Membrane Bioreactor (aMBR): A Proof-of-Concept Study. <i>Membranes</i> , 2022, 12, 218.	1.4	4
1083	Impact of Particle Shape and Surface Group on Membrane Fouling. <i>Membranes</i> , 2022, 12, 403.	1.4	2
1084	Nannochloropsis sp. Biorefinery: Recovery of Soluble Protein by Membrane Ultrafiltration/Diafiltration. <i>Membranes</i> , 2022, 12, 401.	1.4	2
1085	Linking endogenous decay and sludge bulking in the microbial community to membrane fouling at sub-critical flux. , 2022, 2, 100023.		2
1086	Submerged hollow-fiber-ultrafiltration for harvesting microalgae used for bioremediation of a secondary wastewater. <i>Separation and Purification Technology</i> , 2022, 289, 120744.	3.9	9
1087	Evaluation of fouling during ultrafiltration process of acid and sweet whey. <i>Journal of Food Engineering</i> , 2022, 328, 111059.	2.7	1

#	ARTICLE	IF	CITATIONS
1088	Ultrafiltration process for lignin-lean black liquor treatment at different acid conditions. <i>Separation Science and Technology</i> , 2022, 57, 1936-1947.	1.3	2
1089	Improving membrane filtration performance through time series analysis. <i>Discover Chemical Engineering</i> , 2021, 1, 1.	1.1	5
1090	Reverse osmosis and forward osmosis fouling: a comparison. <i>Discover Chemical Engineering</i> , 2021, 1, 1.	1.1	4
1092	Theory of oil fouling for microfiltration and ultrafiltration membranes in produced water treatment. <i>Journal of Colloid and Interface Science</i> , 2022, 621, 431-439.	5.0	16
1093	Long-Term Treatment of Highly Saline Brine in a Direct Contact Membrane Distillation (DCMD) Pilot Unit Using Polyethylene Membranes. <i>Membranes</i> , 2022, 12, 424.	1.4	5
1101	Economic Analysis of Membrane-Based Separation of Biocatalyst: Mode of Operation and Stage Configuration. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 6682-6692.	1.8	3
1102	Fouling mechanisms in ultrafiltration under constant flux: Effect of feed spacer design. <i>Chemical Engineering Journal</i> , 2022, 446, 136563.	6.6	12
1103	Insights into the penetration of PhACs in TCM during ultrafiltration: Effects of fouling mechanisms and intermolecular interactions. <i>Separation and Purification Technology</i> , 2022, 295, 121205.	3.9	4
1104	Filtration of Subcritical Water Hydrolysates from Red Macroalgae Byproducts with Ultraporous Ceramic Membranes for Oligosaccharide and Peptide Fractionation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1107	Inorganic Scaling in Membrane Desalination: Models, Mechanisms, and Characterization Methods. <i>Environmental Science &amp; Technology</i> , 2022, 56, 7484-7511.	4.6	60
1108	Renewable energy powered membrane technology: Implications of adhesive interaction between membrane and organic matter on spontaneous osmotic backwash cleaning. <i>Water Research</i> , 2022, 221, 118752.	5.3	4
1109	Hybrid powdered activated carbon-activated sludge biofilm formation to mitigate biofouling in dynamic membrane bioreactor for wastewater treatment. <i>Biofouling</i> , 2022, 38, 415-426.	0.8	2
1110	Effect of operation mode on membrane fouling from traditional Chinese medicine water extracts. <i>Journal of Water Process Engineering</i> , 2022, 48, 102943.	2.6	4
1111	Whey Recovery Using Nanofiltration-like Forward Osmosis: Optical Coherence Tomography Based Approach to Understanding Fouling Behavior. <i>ACS ES&amp;T Water</i> , 0, , .	2.3	3
1112	Analysis of fouling mechanism in ultrafiltration of produced water. <i>Journal of Water Process Engineering</i> , 2022, 49, 102978.	2.6	6
1113	Enhancement of pozzolanic clay ceramic membrane properties by niobium pentoxide and titanium dioxide addition: Characterization and application in oil-in-water emulsion microfiltration. <i>Journal of Petroleum Science and Engineering</i> , 2022, 217, 110892.	2.1	1
1114	Filtration of subcritical water hydrolysates from red macroalgae byproducts with ultraporous ceramic membranes for oligosaccharide and peptide fractionation. <i>Journal of Membrane Science</i> , 2022, 660, 120822.	4.1	2
1115	Effect of module geometry on the sustainable flux during microfiltration of precipitated IgG. <i>Journal of Membrane Science</i> , 2022, 660, 120834.	4.1	5

#	ARTICLE	IF	CITATIONS
1116	Rapid construction of ceramic microfiltration membranes with a gradient pore structure using UV-curable alumina suspension. <i>Ceramics International</i> , 2022, 48, 34817-34827.	2.3	6
1117	Arch-type feed spacer with wide passage node design for spiral-wound membrane filtration with reduced energy cost. <i>Desalination</i> , 2022, 540, 115980.	4.0	4
1118	Dissecting the role of membrane defects with low-energy barrier on fouling development through A collision Attachment-Monte Carlo approach. <i>Journal of Membrane Science</i> , 2022, 663, 120981.	4.1	3
1119	Long-term operation of ultrafiltration membrane in full-scale drinking water treatment plants in China: Characteristics of membrane performance. <i>Desalination</i> , 2022, 543, 116122.	4.0	22
1120	Is nanofiltration an efficient technology to recover and stabilize phenolic compounds from guava ( <i>Psidium guajava</i> ) leaves extract?. <i>Food Bioscience</i> , 2022, 50, 101997.	2.0	5
1121	Time-dependent analysis of polysaccharide fouling by Hermia models: Reveal the structure of fouling layer. <i>Separation and Purification Technology</i> , 2022, 302, 122093.	3.9	8
1122	Fouling mechanisms in anoxic-aerobic sequencing batch membrane bioreactor based on adapted Hermia models and main foulant characteristics. <i>Journal of Environmental Management</i> , 2022, 323, 116146.	3.8	3
1123	Time-Dependent Analysis of Polysaccharide Fouling by Hermia Models: Reveal the Structure of Fouling Layer. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1124	Dissecting the Role of Membrane Defects on Fouling Development and Characteristics with a Collision Attachment-Monte Carlo Approach. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1125	Development and Validation of a Model for Mitigating Particulate Fouling in Ultrafiltration Using Water-Hammer. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
1126	Analysis of Calcium Sulfate Scaling Phenomena on Reverse Osmosis Membranes by Scaling-Based Flux Model. <i>Membranes</i> , 2022, 12, 894.	1.4	3
1128	A data-driven digital twin for water ultrafiltration. , 2022, 1, .		0
1129	Reverse Osmosis Membrane System: Core Process of SWRO. , 2022, , 315-739.		0
1130	Development and validation of a model for mitigating particulate fouling in ultrafiltration using water-hammer. <i>Journal of Membrane Science</i> , 2023, 666, 121098.	4.1	1
1131	Pre-Treatment and Turbidity Reduction of Sea Waters Using New Composite Ceramic Microfiltration Membranes with Iron Oxide Additive. <i>Water (Switzerland)</i> , 2022, 14, 3475.	1.2	2
1132	Porous substrate affects fouling propensity of thin-film composite nanofiltration membranes. , 2022, 2, 100036.		5
1133	Wastewater treatment in large-scale novel corrugated-sheet MBR. <i>Journal of Water Process Engineering</i> , 2022, 50, 103215.	2.6	5
1134	The impact of PET microplastic fibres on PVDF ultrafiltration performance – A short-term assessment of MP fouling in simple and complex matrices. <i>Chemosphere</i> , 2023, 310, 136891.	4.2	8



#	ARTICLE	IF	CITATIONS
1135	Effects of microalgal concentration and pH with flocculant on microfiltration. Chemical Industry and Chemical Engineering Quarterly, 2022, , 32-32.	0.4	0
1136	Purification of bioactive compounds from blackberry pomace: Investigation of techniques to reduce fouling during flat membrane ultrafiltration process. Food and Bioproducts Processing, 2023, 137, 135-144.	1.8	1
1137	Chemically enhanced pretreatment (CEPT) to reduce irreversible fouling during the clean-in-place process for membranes operating under constant flux and constant pressure filtration. Desalination, 2023, 549, 116313.	4.0	9
1138	Pressure And Spacer Effect On The Performance Of Immersed Microfiltration Membrane. IOP Conference Series: Earth and Environmental Science, 2022, 1111, 012063.	0.2	0
1139	Fouling characteristics of microcrystalline cellulose during cross-flow microfiltration: Insights from fluid dynamic gauging and molecular dynamics simulations. Journal of Membrane Science, 2023, 669, 121272.	4.1	3
1140	Innovative approach to predict the fouling propensity of orange juice suspended particles through relevant physical characterisation. International Journal of Food Science and Technology, 2023, 58, 1049-1061.	1.3	0
1141	Kinetic and mechanistic analysis of membrane fouling in microplastics removal from water by dead-end microfiltration. Journal of Environmental Chemical Engineering, 2023, 11, 109338.	3.3	5
1142	Enhancing cleaning of microfiltration membranes fouled by food oily wastewater using microbubbles. Food and Bioproducts Processing, 2023, 138, 53-59.	1.8	4
1143	Development of Fouling-Control Strategy for Ceramic Membrane Bioreactor Applied in Partial Nitrification Process. Water (Switzerland), 2023, 15, 444.	1.2	0
1144	Operational optimization at the NenÄnniemi wastewater treatment plant's tertiary disc filter phosphorus removal installation to reduce chemical consumption. Water Science and Technology, 2023, 87, 555-570.	1.2	1
1145	Goat milk concentrated by nanofiltration: flow decline modeling and characterization. Food Science and Technology, 0, 43, .	0.8	0
1146	Comparison of ceramic microfiltration and ultrafiltration membranes for the clarification of simulated sebacic acid fermentation broth. Journal of Environmental Chemical Engineering, 2023, 11, 109820.	3.3	1
1147	Assessment of natural tannin-based coagulant for effective ultrafiltration (UF) of UASB effluent: Fouling mechanisms, pollutant removal and water reclamation feasibility. Journal of Environmental Chemical Engineering, 2023, 11, 109778.	3.3	2
1148	Generalization and Expansion of the Hermia Model for a Better Understanding of Membrane Fouling. Membranes, 2023, 13, 290.	1.4	0
1149	Centrifuge-Free Separation of Solution-Exfoliated 2D Nanosheets via Cross-Flow Filtration. Advanced Materials, 2023, 35, .	11.1	3
1150	Microbubble-Assisted Cleaning-in-Place Process for Ultrafiltration System and Its Environmental Performance. Membranes, 2023, 13, 424.	1.4	2
1151	Constant Flowrate Filtration. , 2023, , 81-126.		0
1178	Membranes for the water biotreatment. , 2024, , 549-604.		0

#	ARTICLE	IF	CITATIONS
1183	Modified membranes. , 2024, , 267-302.		0