William E Price

List of Publications by Year
in descending order

190 papers	11,338 citations	14614 66 h-index	35952 97 g-index
193 all docs	193 docs citations	193 times ranked	9337 citing authors

#	Article	IF	Citations
1	Comparison of the removal of hydrophobic trace organic contaminants by forward osmosis and reverse osmosis. Water Research, 2012, 46, 2683-2692.	5.3	270
2	Understanding the factors controlling the removal of trace organic contaminants by white-rot fungi and their lignin modifying enzymes: A critical review. Bioresource Technology, 2013, 141, 97-108.	4.8	241
3	A Forward Osmosisâ€“Membrane Distillation Hybrid Process for Direct Sewer Mining: System Performance and Limitations. Environmental Science & Technology, 2013, 47, 13486-13493.	4.6	234
4	Toward Resource Recovery from Wastewater: Extraction of Phosphorus from Digested Sludge Using a Hybrid Forward Osmosisâ€“Membrane Distillation Process. Environmental Science and Technology Letters, 2014, 1, 191-195.	3.9	229
5	Combining MBR and NF/RO membrane filtration for the removal of trace organics in indirect potable water reuse applications. Journal of Membrane Science, 2010, 365, 206-215.	4.1	212
6	Forward osmosis as a platform for resource recovery from municipal wastewater - A critical assessment of the literature. Journal of Membrane Science, 2017, 529, 195-206.	4.1	182
7	Anaerobic co-digestion: A critical review of mathematical modelling for performance optimization. Bioresource Technology, 2016, 222, 498-512.	4.8	171
8	Performance of a novel osmotic membrane bioreactor (OMBR) system: Flux stability and removal of trace organics. Bioresource Technology, 2012, 113, 201-206.	4.8	164
9	The fate of pharmaceuticals, steroid hormones, phytoestrogens, UV-filters and pesticides during MBR treatment. Bioresource Technology, 2013, 144, 247-254.	4.8	163
10	Identification and characterization of phenolic compounds in hydromethanolic extracts of sorghum wholegrains by LC-ESI-MSn. Food Chemistry, 2016, 211, 215-226.	4.2	154
11	Effects of feed and draw solution temperature and transmembrane temperature difference on the rejection of trace organic contaminants by forward osmosis. Journal of Membrane Science, 2013, 438, 57-64.	4.1	153
12	Osmotic versus conventional membrane bioreactors integrated with reverse osmosis for water reuse: Biological stability, membrane fouling, and contaminant removal. Water Research, 2017, 109, 122-134.	5.3	152
13	Casein Proteins as Molecular Chaperones. Journal of Agricultural and Food Chemistry, 2005, 53, 2670-2683.	2.4	144
14	Removal of trace organic contaminants by the forward osmosis process. Separation and Purification Technology, 2013, 103, 258-266.	3.9	144
15	Removal of pharmaceuticals, steroid hormones, phytoestrogens, UV-filters, industrial chemicals and pesticides by Trametes versicolor:ÂRole of biosorption and biodegradation. International Biodeterioration and Biodegradation, 2014, 88, 169-175.	1.9	143
16	Air-drying of banana: Influence of experimental parameters, slab thickness, banana maturity and harvesting season. Journal of Food Engineering, 2007, 79, 200-207.	2.7	140
17	Resource recovery from wastewater by anaerobic membrane bioreactors: Opportunities and challenges. Bioresource Technology, 2018, 270, 669-677.	4.8	140
18	Diaphragm cell for high-temperature diffusion measurements. Tracer Diffusion coefficients for water to 363 K. Journal of the Chemical Society Faraday Transactions I, 1989, 85, 1091.	1.0	138

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19	Removal of micropollutants by membrane bioreactor under temperature variation. Journal of Membrane Science, 2011, 383, 144-151.	4.1	138
20	Sludge cycling between aerobic, anoxic and anaerobic regimes to reduce sludge production during wastewater treatment: Performance, mechanisms, and implications. Bioresource Technology, 2014, 155, 395-409.	4.8	138
21	Rejection of pharmaceutically active compounds by forward osmosis: Role of solution pH and membrane orientation. Separation and Purification Technology, 2012, 93, 107-114.	3.9	135
22	The Key Importance of Soy Isoflavone Bioavailability to Understanding Health Benefits. Critical Reviews in Food Science and Nutrition, 2008, 48, 538-552.	5.4	129
23	Effects of mixing and covering with mature compost on gaseous emissions during composting. Chemosphere, 2014, 117, 14-19.	4.2	129
24	Removal of trace organic contaminants by a membrane bioreactorâ€“granular activated carbon (MBRâ€“GAC) system. Bioresource Technology, 2012, 113, 169-173.	4.8	127
25	Continuous adsorption and biotransformation of micropollutants by granular activated carbon-bound laccase in a packed-bed enzyme reactor. Bioresource Technology, 2016, 210, 108-116.	4.8	127
26	Relating rejection of trace organic contaminants to membrane properties in forward osmosis: Measurements, modelling and implications. Water Research, 2014, 49, 265-274.	5.3	124
27	A Dryingâ€Free, Waterâ€Based Process for Fabricating Mixedâ€Matrix Membranes with Outstanding Pervaporation Performance. Angewandte Chemie - International Edition, 2016, 55, 12793-12796.	7.2	121
28	Degradation of Pharmaceuticals and Personal Care Products by White-Rot Fungiâ€”a Critical Review. Current Pollution Reports, 2017, 3, 88-103.	3.1	121
29	Trace organic contaminants in biosolids: Impact of conventional wastewater and sludge processing technologies and emerging alternatives. Journal of Hazardous Materials, 2015, 300, 1-17.	6.5	119
30	Removal of emerging trace organic contaminants by MBR-based hybrid treatment processes. International Biodeterioration and Biodegradation, 2013, 85, 474-482.	1.9	114
31	Rejection and fate of trace organic compounds (TrOCs) during membrane distillation. Journal of Membrane Science, 2014, 453, 636-642.	4.1	113
32	Removal of carbamazepine and sulfamethoxazole by MBR under anoxic and aerobic conditions. Bioresource Technology, 2011, 102, 10386-10390.	4.8	112
33	Removal of trace organic contaminants by an MBR comprising a mixed culture of bacteria and white-rot fungi. Bioresource Technology, 2013, 148, 234-241.	4.8	112
34	Phosphorus and water recovery by a novel osmotic membrane bioreactorâ€“reverse osmosis system. Bioresource Technology, 2016, 200, 297-304.	4.8	109
35	Removal of bisphenol A and diclofenac by a novel fungal membrane bioreactor operated under non-sterile conditions. International Biodeterioration and Biodegradation, 2013, 85, 483-490.	1.9	108
36	Probing the internal structure of reverse osmosis membranes by positron annihilation spectroscopy: Gaining more insight into the transport of water and small solutes. Journal of Membrane Science, 2015, 486, 106-118.	4.1	108

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37	Photolysis and UV/H 2 O 2 of diclofenac, sulfamethoxazole, carbamazepine, and trimethoprim: Identification of their major degradation products by ESIâ€“LCâ€“MS and assessment of the toxicity of reaction mixtures. Chemical Engineering Research and Design, 2017, 112, 222-234.	2.7	108
38	Development of a predictive framework to assess the removal of trace organic chemicals by anaerobic membrane bioreactor. Bioresource Technology, 2015, 189, 391-398.	4.8	107
39	Impact of humic acid fouling on membrane performance and transport of pharmaceutically active compounds in forward osmosis. Water Research, 2013, 47, 4567-4575.	5.3	104
40	High retention membrane bioreactors: Challenges and opportunities. Bioresource Technology, 2014, 167, 539-546.	4.8	101
41	Impacts of redox-mediator type on trace organic contaminants degradation by laccase: Degradation efficiency, laccase stability and effluent toxicity. International Biodeterioration and Biodegradation, 2016, 113, 169-176.	1.9	101
42	Evaluation of micropollutant removal and fouling reduction in a hybrid moving bed biofilm reactorâ€“membrane bioreactor system. Bioresource Technology, 2015, 191, 355-359.	4.8	98
43	A critical review on advanced oxidation processes for the removal of trace organic contaminants: A voyage from individual to integrated processes. Chemosphere, 2020, 260, 127460.	4.2	97
44	Occurrence of trace organic contaminants in wastewater sludge and their removals by anaerobic digestion. Bioresource Technology, 2016, 210, 153-159.	4.8	94
45	An anaerobic membrane bioreactor â€“ membrane distillation hybrid system for energy recovery and water reuse: Removal performance of organic carbon, nutrients, and trace organic contaminants. Science of the Total Environment, 2018, 628-629, 358-365.	3.9	92
46	A critical review of advanced oxidation processes for emerging trace organic contaminant degradation: Mechanisms, factors, degradation products, and effluent toxicity. Journal of Water Process Engineering, 2021, 40, 101778.	2.6	87
47	Biocatalytic degradation of pharmaceuticals, personal care products, industrial chemicals, steroid hormones and pesticides in a membrane distillation-enzymatic bioreactor. Bioresource Technology, 2018, 247, 528-536.	4.8	86
48	On the electrodeposition of titanium in ionic liquids. Physical Chemistry Chemical Physics, 2008, 10, 2189.	1.3	85
49	Removal and fate of micropollutants in a sponge-based moving bed bioreactor. Bioresource Technology, 2014, 159, 311-319.	4.8	85
50	Phosphorus recovery from digested sludge centrate using seawater-driven forward osmosis. Separation and Purification Technology, 2016, 163, 1-7.	3.9	84
51	Effects of salinity build-up on the performance of an anaerobic membrane bioreactor regarding basic water quality parameters and removal of trace organic contaminants. Bioresource Technology, 2016, 216, 399-405.	4.8	83
52	Effects of caustic cleaning on pore size of nanofiltration membranes and their rejection of trace organic chemicals. Journal of Membrane Science, 2013, 447, 153-162.	4.1	82
53	Simultaneous nitrification/denitrification and trace organic contaminant (TrOC) removal by an anoxicâ€“aerobic membrane bioreactor (MBR). Bioresource Technology, 2014, 165, 96-104.	4.8	82
54	Continuous biotransformation of bisphenol A and diclofenac byÂlaccase in an enzymatic membrane reactor. International Biodeterioration and Biodegradation, 2014, 95, 25-32.	1.9	82

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55	Influence of formulated chemical cleaning reagents on the surface properties and separation efficiency of nanofiltrationmembranes. Journal of Membrane Science, 2013, 432, 73-82.	4.1	81
56	Effects of salinity build-up on the performance and bacterial community structure of a membrane bioreactor. Bioresource Technology, 2016, 200, 305-310.	4.8	81
57	A diffusion model for prune dehydration. Journal of Food Engineering, 1999, 42, 167-172.	2.7	78
58	A fragmentation study of isoflavones in negative electrospray ionization by MSn ion trap mass spectrometry and triple quadrupole mass spectrometry. Rapid Communications in Mass Spectrometry, 2007, 21, 857-868.	0.7	78
59	Selection of forward osmosis draw solutes for subsequent integration with anaerobic treatment to facilitate resource recovery from wastewater. Bioresource Technology, 2015, 191, 30-36.	4.8	78
60	The effects of feed solution temperature on pore size and trace organic contaminant rejection by the nanofiltration membrane NF270. Separation and Purification Technology, 2014, 125, 43-51.	3.9	76
61	Laccaseâ€“syringaldehyde-mediated degradation of trace organic contaminants in an enzymatic membrane reactor: Removal efficiency and effluent toxicity. Bioresource Technology, 2016, 200, 477-484.	4.8	75
62	Effects of fouling and scaling on the retention of trace organic contaminants by a nanofiltration membrane: The role of cake-enhanced concentration polarisation. Separation and Purification Technology, 2010, 73, 256-263.	3.9	74
63	A novel membrane distillationâ€“thermophilic bioreactor system: Biological stability and trace organic compound removal. Bioresource Technology, 2014, 159, 334-341.	4.8	74
64	Coupling granular activated carbon adsorption with membrane bioreactor treatment for trace organic contaminant removal: Breakthrough behaviour ofÂpersistent and hydrophilic compounds. Journal of Environmental Management, 2013, 119, 173-181.	3.8	73
65	Effect of hydraulic retention time on the performance of a hybrid moving bed biofilm reactor-membrane bioreactor system for micropollutants removal from municipal wastewater. Bioresource Technology, 2018, 247, 1228-1232.	4.8	73
66	Effects of salinity build-up on biomass characteristics and trace organic chemical removal: Implications on the development of high retention membrane bioreactors. Bioresource Technology, 2015, 177, 274-281.	4.8	70
67	Degradation of diclofenac, trimethoprim, carbamazepine, and sulfamethoxazole by laccase from Trametes versicolor: Transformation products and toxicity of treated effluent. Biocatalysis and Biotransformation, 2019, 37, 399-408.	1.1	70
68	Dietary combination of soy with a probiotic or prebiotic food significantly reduces total and LDL cholesterol in mildly hypercholesterolaemic subjects. European Journal of Clinical Nutrition, 2009, 63, 238-245.	1.3	63
69	The effects of mediator and granular activated carbon addition on degradation of trace organic contaminants by an enzymatic membrane reactor. Bioresource Technology, 2014, 167, 169-177.	4.8	63
70	Bacterial community dynamics in an anoxic-aerobic membrane bioreactor â€“ Impact on nutrient and trace organic contaminant removal. International Biodeterioration and Biodegradation, 2016, 109, 61-72.	1.9	63
71	Quartz crystal microbalance studies of the effect of solution temperature on the ion-exchange properties of polypyrrole conducting electroactive polymers. Reactive and Functional Polymers, 2003, 56, 141-146.	2.0	62
72	Impact of organic and colloidal fouling on trace organic contaminant rejection by forward osmosis: Role of initial permeate flux. Desalination, 2014, 336, 146-152.	4.0	62

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73	Ozonation of carbamazepine, diclofenac, sulfamethoxazole and trimethoprim and formation of major oxidation products. Desalination and Water Treatment, 2016, 57, 29340-29351.	1.0	61
74	Water extraction from mixed liquor of an aerobic bioreactor by forward osmosis: Membrane fouling and biomass characteristics assessment. Separation and Purification Technology, 2015, 145, 56-62.	3.9	60
75	Evaluating ionic organic draw solutes in osmotic membrane bioreactors for water reuse. Journal of Membrane Science, 2016, 514, 636-645.	4.1	59
76	Degradation of a broad spectrum of trace organic contaminants by anÂenzymatic membrane reactor: Complementary role of membrane retention and enzymatic degradation. International Biodeterioration and Biodegradation, 2015, 99, 115-122.	1.9	58
77	Changes in surface properties and separation efficiency of a nanofiltration membrane after repeated fouling and chemical cleaning cycles. Separation and Purification Technology, 2013, 113, 42-50.	3.9	57
78	Development of membrane systems based on conducting polymers. Synthetic Metals, 1999, 102, 1338-1341.	2.1	56
79	The chaperone action of bovine milk Î±S1- and Î±S2-caseins and their associated form Î±S-casein. Archives of Biochemistry and Biophysics, 2011, 510, 42-52.	1.4	56
80	The role of forward osmosis and microfiltration in an integrated osmotic-microfiltration membrane bioreactor system. Chemosphere, 2015, 136, 125-132.	4.2	56
81	An Osmotic Membrane Bioreactorâ€“Membrane Distillation System for Simultaneous Wastewater Reuse and Seawater Desalination: Performance and Implications. Environmental Science & Technology, 2017, 51, 14311-14320.	4.6	56
82	Polypyrrole membranes containing chelating ligands: synthesis, characterisation and transport studies. Polymer, 2001, 42, 8571-8579.	1.8	53
83	Degradation of azo dye acid orange 7 in a membrane bioreactor by pellets and attached growth of Coriolus versicolour. Bioresource Technology, 2013, 141, 29-34.	4.8	53
84	Factors governing the pre-concentration of wastewater using forward osmosis for subsequent resource recovery. Science of the Total Environment, 2016, 566-567, 559-566.	3.9	52
85	Nutrient and trace organic contaminant removal from wastewater of a resort town: Comparison between a pilot and a full scale membrane bioreactor. International Biodeterioration and Biodegradation, 2015, 102, 40-48.	1.9	51
86	Using calibration approaches to compensate for remaining matrix effects in quantitative liquid chromatography/electrospray ionization multistage mass spectrometric analysis of phytoestrogens in aqueous environmental samples. Rapid Communications in Mass Spectrometry, 2007, 21, 4065-4072.	0.7	50
87	Parameters influencing transport across conducting electroactive polymer membranes. Journal of Membrane Science, 1996, 119, 199-212.	4.1	48
88	The kinetics of extraction of individual flavanols and caffeine from a Japanese green tea (Sen Cha Uji) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.2	46
89	Comparison between sequential and simultaneous application of activated carbon with membrane bioreactor for trace organic contaminant removal. Bioresource Technology, 2013, 130, 412-417.	4.8	46
90	Biodegradation of cellulose triacetate and polyamide forward osmosis membranes in an activated sludge bioreactor: Observations and implications. Journal of Membrane Science, 2016, 510, 284-292.	4.1	46

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91	Impact of wastewater derived dissolved interfering compounds on growth, enzymatic activity and trace organic contaminant removal of white rot fungi â€“ A critical review. Journal of Environmental Management, 2017, 201, 89-109.	3.8	46
92	Effects of chemical cleaning on the nanofiltration of pharmaceutically active compounds (PhACs). Separation and Purification Technology, 2012, 88, 208-215.	3.9	45
93	Enhancement of trace organic contaminant degradation by crude enzyme extract from Trametes versicolor culture: Effect of mediator type and concentration. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 1855-1862.	2.7	44
94	Osmotic dilution for sustainable greenwall irrigation by liquid fertilizer: Performance and implications. Journal of Membrane Science, 2015, 494, 32-38.	4.1	44
95	Holistic sludge management through ozonation: A critical review. Journal of Environmental Management, 2017, 185, 79-95.	3.8	43
96	Removal of trace organic contaminants by nitrifying activated sludge and whole-cell and crude enzyme extract of Trametes versicolor. Water Science and Technology, 2013, 67, 1216-1223.	1.2	42
97	The temperature and density dependences of the self-diffusion coefficient and the shear viscosity of liquid trichloromethane. Molecular Physics, 1990, 71, 1205-1221.	0.8	41
98	Effect of thermal treatment on the electroactivity of polyaniline. Polymer, 1996, 37, 917-923.	1.8	41
99	Synthesis, characterisation and transport properties of layered conducting electroactive polypyrrole membranes. Journal of Membrane Science, 1998, 148, 161-172.	4.1	41
100	Kinetics and equilibria of tea infusion: Rates of extraction of theaflavin, caffeine and theobromine from several whole teas and sieved fractions. Journal of the Science of Food and Agriculture, 1985, 36, 1309-1314.	1.7	40
101	Understanding the mechanisms of trace organic contaminant removal by high retention membrane bioreactors: a critical review. Environmental Science and Pollution Research, 2019, 26, 34085-34100.	2.7	40
102	Transport of copper(II) across stand-alone conducting polypyrrole membranes: the effect of applied potential waveforms. Polymer, 1993, 34, 16-20.	1.8	37
103	Removal of N-nitrosamines by an aerobic membrane bioreactor. Bioresource Technology, 2013, 141, 41-45.	4.8	36
104	Sodium hydroxide production from sodium carbonate and bicarbonate solutions using membrane electrolysis: A feasibility study. Separation and Purification Technology, 2014, 127, 70-76.	3.9	35
105	Biosolids reduction by the oxic-settling-anoxic process: Impact of sludge interchange rate. Bioresource Technology, 2016, 210, 167-173.	4.8	35
106	Modelling the kinetics of drying of d'Agen plums (Prunus domestica). Food Chemistry, 1997, 60, 371-382.	4.2	34
107	Synthesis, characterisation and ion transport studies on polypyrrole/deoxyribonucleic acid conducting polymer membranes. Synthetic Metals, 2001, 123, 279-286.	2.1	34
108	Increased probiotic yogurt or resistant starch intake does not affect isoflavone bioavailability in subjects consuming a high soy diet. Nutrition, 2007, 23, 709-718.	1.1	34

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109	Enhancement of removal of trace organic contaminants by powdered activated carbon dosing into membrane bioreactors. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 571-578.	2.7	34
110	Assessing the integration of forward osmosis and anaerobic digestion for simultaneous wastewater treatment and resource recovery. Bioresource Technology, 2018, 260, 221-226.	4.8	34
111	New insights into the relationship between draw solution chemistry and trace organic rejection by forward osmosis. Journal of Membrane Science, 2019, 587, 117184.	4.1	34
112	Persulfate oxidation-assisted membrane distillation process for micropollutant degradation and membrane fouling control. Separation and Purification Technology, 2019, 222, 321-331.	3.9	34
113	Volatile Changes during Dehydration of d'Agen Prunes. Journal of Agricultural and Food Chemistry, 2000, 48, 1838-1842.	2.4	33
114	Degradation and Fate of Pharmaceutically Active Contaminants by Advanced Oxidation Processes. Current Pollution Reports, 2017, 3, 268-280.	3.1	33
115	Impact of simultaneous retention of micropollutants and laccase on micropollutant degradation in enzymatic membrane bioreactor. Bioresource Technology, 2018, 267, 473-480.	4.8	33
116	Ion exchange behaviour and charge compensation mechanism of polypyrrole in electrolytes containing mono-, di- and trivalent metal ions. Synthetic Metals, 2009, 159, 2590-2598.	2.1	32
117	Simultaneous determination of isoflavones and lignans at trace levels in natural waters and wastewater samples using liquid chromatography/electrospray ionization ion trap mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 2411-2418.	0.7	31
118	Effects of sludge retention time on oxic-settling-anoxic process performance: Biosolids reduction and dewatering properties. Bioresource Technology, 2016, 218, 1187-1194.	4.8	30
119	Effects of thermal pre-treatment and recuperative thickening on the fate of trace organic contaminants during anaerobic digestion of sewage sludge. International Biodeterioration and Biodegradation, 2017, 124, 146-154.	1.9	30
120	Removal of trace organic contaminants by enzymatic membrane bioreactors: Role of membrane retention and biodegradation. Journal of Membrane Science, 2020, 611, 118345.	4.1	30
121	Kinetics of carbohydrate change during dehydration of d'Agen prunes. Food Chemistry, 1997, 59, 149-155.	4.2	29
122	Integration of an enzymatic bioreactor with membrane distillation for enhanced biodegradation of trace organic contaminants. International Biodeterioration and Biodegradation, 2017, 124, 73-81.	1.9	29
123	Intradiffusion coefficients for zinc and water and shear viscosities in aqueous zinc(II) perchlorate solutions at 25.degree.. The Journal of Physical Chemistry, 1990, 94, 5109-5114.	2.9	28
124	The role of microbial diversity and composition in minimizing sludge production in the oxic-settling-anoxic process. Science of the Total Environment, 2017, 607-608, 558-567.	3.9	28
125	Impact of chemical cleaning on the nanofiltration of pharmaceutically active compounds (PhACs): The role of cleaning temperature. Journal of the Taiwan Institute of Chemical Engineers, 2013, 44, 713-723.	2.7	27
126	Physical cleaning techniques to control fouling during the pre-concentration of high suspended-solid content solutions for resource recovery by forward osmosis. Desalination, 2018, 429, 134-141.	4.0	27

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127	Synthesis and properties of a mechanically strong poly(bithiophene) composite polymer containing a polyelectrolyte dopant. Synthetic Metals, 2000, 110, 123-132.	2.1	26
128	Acid mine drainage and sewage impacted groundwater treatment by membrane distillation: Organic micropollutant and metal removal and membrane fouling. Journal of Environmental Management, 2021, 291, 112708.	3.8	25
129	Ion pairing and redissociation in concentrated aqueous solutions of 2:2 electrolytes: a transport coefficient study of aqueous zinc sulfate. The Journal of Physical Chemistry, 1991, 95, 8933-8938.	2.9	24
130	Role of the Waxy Skin Layer in Moisture Loss during Dehydration of Prunes. Journal of Agricultural and Food Chemistry, 2000, 48, 4193-4198.	2.4	24
131	The effect of dextran on subunit exchange of the molecular chaperone Î±A-crystallin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 102-111.	1.1	24
132	Biological performance and trace organic contaminant removal by a side-stream ceramic nanofiltration membrane bioreactor. International Biodeterioration and Biodegradation, 2016, 113, 49-56.	1.9	23
133	Seawater-driven forward osmosis for pre-concentrating nutrients in digested sludge centrate. Journal of Environmental Management, 2019, 247, 135-139.	3.8	23
134	Combining enzymatic membrane bioreactor and ultraviolet photolysis for enhanced removal of trace organic contaminants: Degradation efficiency and by-products formation. Chemical Engineering Research and Design, 2021, 145, 110-119.	2.7	23
135	Kinetics and equilibria of tea infusion: Theaflavin and caffeine concentrations and partition constants in several whole teas and sieved fractions. Journal of the Science of Food and Agriculture, 1985, 36, 1303-1308.	1.7	22
136	The p,T-dependence of self-diffusion in fluid ammonia. Journal of Molecular Liquids, 1997, 73-74, 433-444.	2.3	22
137	Validated liquid chromatography separation methods for identification and quantification of anthocyanins in fruit and vegetables: A systematic review. Food Research International, 2020, 138, 109754.	2.9	22
138	Degradation of Trace Organic Contaminants by a Membrane Distillationâ€"Enzymatic Bioreactor. Applied Sciences (Switzerland), 2017, 7, 879.	1.3	21
139	Electroless recovery of gold chloride using inherently conducting polymers. Polymer International, 2004, 53, 681-687.	1.6	20
140	Factors governing the rejection of trace organic contaminants by nanofiltration and reverse osmosis membranes. Desalination and Water Treatment, 2014, 52, 589-599.	1.0	20
141	Effect of organic solvents on the separation of benzoic acids by capillary electrophoresis. Analyst, The, 1995, 120, 2689.	1.7	19
142	Factors influencing the drying of prunes 1. Effects of temperature upon the kinetics of moisture loss during drying. Food Chemistry, 1996, 57, 241-244.	4.2	19
143	Tissue Distribution of Lignans in Rats in Response to Diet, Doseâ"Response, and Competition with Isoflavones. Journal of Agricultural and Food Chemistry, 2007, 55, 4907-4912.	2.4	19
144	Occurrence of phytoestrogens in municipal wastewater and surface waters. Journal of Environmental Monitoring, 2009, 11, 1477.	2.1	19

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145	Effects of iron salt addition on biosolids reduction by oxic-settling-anoxic (OSA) process. International Biodeterioration and Biodegradation, 2015, 104, 391-400.	1.9	19
146	Fate of trace organic contaminants in oxic-settling-anoxic (OSA) process applied for biosolids reduction during wastewater treatment. Bioresource Technology, 2017, 240, 181-191.	4.8	19
147	Reduction of excess sludge production by membrane bioreactor coupled with anoxic side-stream reactors. Journal of Environmental Management, 2021, 281, 111919.	3.8	19
148	Gold recovery using inherently conducting polymer coated textiles. Fibers and Polymers, 2004, 5, 1-5.	1.1	18
149	Impact of hazardous events on the removal of nutrients and trace organic contaminants by an anoxicâ€“aerobic membrane bioreactor receiving real wastewater. Bioresource Technology, 2015, 192, 192-201.	4.8	18
150	The fate of trace organic contaminants in sewage sludge during recuperative thickening anaerobic digestion. Bioresource Technology, 2017, 240, 197-206.	4.8	18
151	Continuous transformation of chiral pharmaceuticals in enzymatic membrane bioreactors for advanced wastewater treatment. Water Science and Technology, 2017, 76, 1816-1826.	1.2	18
152	Effects of fouling on separation performance by forward osmosis: the role of specific organic foulants. Environmental Science and Pollution Research, 2019, 26, 33758-33769.	2.7	17
153	Elucidating the performance of an integrated laccase- and persulfate-assisted process for degradation of trace organic contaminants (TrOCs). Environmental Science: Water Research and Technology, 2020, 6, 1069-1082.	1.2	16
154	Intradiffusion and viscosity measurements in acidified iron(III) chloride solutions at 25Â°C. Journal of Solution Chemistry, 1991, 20, 319-334.	0.6	15
155	Recovery of gold cyanide using inherently conducting polymers. Polymer International, 2003, 52, 51-55.	1.6	14
156	Effect of heat treatment on fouling resistance and the rejection of small and neutral solutes by reverse osmosis membranes. Water Science and Technology: Water Supply, 2015, 15, 510-516.	1.0	14
157	Induction of titanium reduction using pyrrole and polypyrrole in the ionic liquid ethyl-methyl-imidazolium bis(trifluoromethanesulphonyl)amide. Electrochemistry Communications, 2008, 10, 217-221.	2.3	13
158	p, T dependence of self-diffusion in 2-fluoroethanol, 2,2 difluoroethanol and 2,2,2-trifluoroethanol. Journal of Molecular Liquids, 1998, 75, 159-168.	2.3	12
159	Current Chemistry: Separation and Recovery of Gold and Other Metals Using Conducting Polymers. Australian Journal of Chemistry, 2001, 54, 615.	0.5	12
160	The effect of different electrical stimuli on the oxidation/reduction behaviour of polypyrrole-pts A Study Using the Electrochemical Quartz Crystal Microbalance. Synthetic Metals, 1997, 84, 823-824.	2.1	11
161	Impact of inorganic salts on degradation of bisphenol A and diclofenac by crude extracellular enzyme from Pleurotus ostreatus. Biocatalysis and Biotransformation, 2019, 37, 10-17.	1.1	11
162	Use of Experimental Diffusion Coefficients To Probe Soluteâ^'Solute and Soluteâ^'Solvent Interactions in Electrolyte Solutions. The Journal of Physical Chemistry, 1996, 100, 1406-1410.	2.9	10

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163	Trace Organic Contaminants Removal by Combined Processes for Wastewater Reuse. Handbook of Environmental Chemistry, 2014, , 39-77.	0.2	9
164	Intradiffusion coefficients for iron and water and shear viscosities in aqueous iron(II) perchlorate solutions at 25ï¿½C. Journal of Solution Chemistry, 1992, 21, 239-248.	0.6	8
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