

# William E Price

## List of Publications by Citations

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189  
papers

9,116  
citations

59  
h-index

85  
g-index

193  
ext. papers

10,147  
ext. citations

7.2  
avg, IF

6.42  
L-index

#	Paper	IF	Citations
189	Comparison of the removal of hydrophobic trace organic contaminants by forward osmosis and reverse osmosis. <i>Water Research</i> , <b>2012</b> , 46, 2683-92	12.5	234
188	Understanding the factors controlling the removal of trace organic contaminants by white-rot fungi and their lignin modifying enzymes: a critical review. <i>Bioresource Technology</i> , <b>2013</b> , 141, 97-108	11	203
187	A forward osmosis-membrane distillation hybrid process for direct sewer mining: system performance and limitations. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 13486-93	10.3	202
186	Toward Resource Recovery from Wastewater: Extraction of Phosphorus from Digested Sludge Using a Hybrid Forward Osmosis Membrane Distillation Process. <i>Environmental Science and Technology Letters</i> , <b>2014</b> , 1, 191-195	11	196
185	Combining MBR and NF/RO membrane filtration for the removal of trace organics in indirect potable water reuse applications. <i>Journal of Membrane Science</i> , <b>2010</b> , 365, 206-215	9.6	188
184	Performance of a novel osmotic membrane bioreactor (OMBR) system: flux stability and removal of trace organics. <i>Bioresource Technology</i> , <b>2012</b> , 113, 201-6	11	154
183	The fate of pharmaceuticals, steroid hormones, phytoestrogens, UV-filters and pesticides during MBR treatment. <i>Bioresource Technology</i> , <b>2013</b> , 144, 247-54	11	137
182	Forward osmosis as a platform for resource recovery from municipal wastewater - A critical assessment of the literature. <i>Journal of Membrane Science</i> , <b>2017</b> , 529, 195-206	9.6	134
181	Anaerobic co-digestion: A critical review of mathematical modelling for performance optimization. <i>Bioresource Technology</i> , <b>2016</b> , 222, 498-512	11	129
180	Osmotic versus conventional membrane bioreactors integrated with reverse osmosis for water reuse: Biological stability, membrane fouling, and contaminant removal. <i>Water Research</i> , <b>2017</b> , 109, 122-134	12.5	128
179	Removal of trace organic contaminants by the forward osmosis process. <i>Separation and Purification Technology</i> , <b>2013</b> , 103, 258-266	8.3	128
178	Effects of feed and draw solution temperature and transmembrane temperature difference on the rejection of trace organic contaminants by forward osmosis. <i>Journal of Membrane Science</i> , <b>2013</b> , 438, 57-64	9.6	127
177	Removal of micropollutants by membrane bioreactor under temperature variation. <i>Journal of Membrane Science</i> , <b>2011</b> , 383, 144-151	9.6	126
176	Removal of pharmaceuticals, steroid hormones, phytoestrogens, UV-filters, industrial chemicals and pesticides by <i>Trametes versicolor</i> : Role of biosorption and biodegradation. <i>International Biodeterioration and Biodegradation</i> , <b>2014</b> , 88, 169-175	4.8	119
175	Casein proteins as molecular chaperones. <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 2670-83	5.7	119
174	Removal of trace organic contaminants by a membrane bioreactor-granular activated carbon (MBR-GAC) system. <i>Bioresource Technology</i> , <b>2012</b> , 113, 169-73	11	118
173	Rejection of pharmaceutically active compounds by forward osmosis: Role of solution pH and membrane orientation. <i>Separation and Purification Technology</i> , <b>2012</b> , 93, 107-114	8.3	118

172	Sludge cycling between aerobic, anoxic and anaerobic regimes to reduce sludge production during wastewater treatment: performance, mechanisms, and implications. <i>Bioresource Technology</i> , <b>2014</b> , 155, 395-409	11	111
171	Air-drying of banana: Influence of experimental parameters, slab thickness, banana maturity and harvesting season. <i>Journal of Food Engineering</i> , <b>2007</b> , 79, 200-207	6	109
170	The key importance of soy isoflavone bioavailability to understanding health benefits. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2008</b> , 48, 538-52	11.5	108
169	Relating rejection of trace organic contaminants to membrane properties in forward osmosis: measurements, modelling and implications. <i>Water Research</i> , <b>2014</b> , 49, 265-74	12.5	103
168	Identification and characterization of phenolic compounds in hydromethanolic extracts of sorghum wholegrains by LC-ESI-MS(n). <i>Food Chemistry</i> , <b>2016</b> , 211, 215-26	8.5	102
167	A Drying-Free, Water-Based Process for Fabricating Mixed-Matrix Membranes with Outstanding Pervaporation Performance. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 12793-6	16.4	99
166	Removal of bisphenol A and diclofenac by a novel fungal membrane bioreactor operated under non-sterile conditions. <i>International Biodeterioration and Biodegradation</i> , <b>2013</b> , 85, 483-490	4.8	99
165	Removal of carbamazepine and sulfamethoxazole by MBR under anoxic and aerobic conditions. <i>Bioresource Technology</i> , <b>2011</b> , 102, 10386-90	11	98
164	Resource recovery from wastewater by anaerobic membrane bioreactors: Opportunities and challenges. <i>Bioresource Technology</i> , <b>2018</b> , 270, 669-677	11	98
163	Effects of mixing and covering with mature compost on gaseous emissions during composting. <i>Chemosphere</i> , <b>2014</b> , 117, 14-9	8.4	97
162	Removal of trace organic contaminants by an MBR comprising a mixed culture of bacteria and white-rot fungi. <i>Bioresource Technology</i> , <b>2013</b> , 148, 234-41	11	97
161	Continuous adsorption and biotransformation of micropollutants by granular activated carbon-bound laccase in a packed-bed enzyme reactor. <i>Bioresource Technology</i> , <b>2016</b> , 210, 108-16	11	94
160	Trace organic contaminants in biosolids: Impact of conventional wastewater and sludge processing technologies and emerging alternatives. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 300, 1-17	12.8	93
159	Impact of humic acid fouling on membrane performance and transport of pharmaceutically active compounds in forward osmosis. <i>Water Research</i> , <b>2013</b> , 47, 4567-75	12.5	91
158	Removal of emerging trace organic contaminants by MBR-based hybrid treatment processes. <i>International Biodeterioration and Biodegradation</i> , <b>2013</b> , 85, 474-482	4.8	90
157	Diaphragm cell for high-temperature diffusion measurements. Tracer Diffusion coefficients for water to 363 K. <i>Journal of the Chemical Society Faraday Transactions I</i> , <b>1989</b> , 85, 1091		90
156	Probing the internal structure of reverse osmosis membranes by positron annihilation spectroscopy: Gaining more insight into the transport of water and small solutes. <i>Journal of Membrane Science</i> , <b>2015</b> , 486, 106-118	9.6	89
155	Phosphorus and water recovery by a novel osmotic membrane bioreactor-reverse osmosis system. <i>Bioresource Technology</i> , <b>2016</b> , 200, 297-304	11	89

154	Rejection and fate of trace organic compounds (TrOCs) during membrane distillation. <i>Journal of Membrane Science</i> , <b>2014</b> , 453, 636-642	9.6	87
153	Development of a predictive framework to assess the removal of trace organic chemicals by anaerobic membrane bioreactor. <i>Bioresource Technology</i> , <b>2015</b> , 189, 391-398	11	85
152	High retention membrane bioreactors: challenges and opportunities. <i>Bioresource Technology</i> , <b>2014</b> , 167, 539-46	11	85
151	Degradation of Pharmaceuticals and Personal Care Products by White-Rot Fungi Critical Review. <i>Current Pollution Reports</i> , <b>2017</b> , 3, 88-103	7.6	83
150	Simultaneous nitrification/denitrification and trace organic contaminant (TrOC) removal by an anoxic-aerobic membrane bioreactor (MBR). <i>Bioresource Technology</i> , <b>2014</b> , 165, 96-104	11	78
149	Evaluation of micropollutant removal and fouling reduction in a hybrid moving bed biofilm reactor-membrane bioreactor system. <i>Bioresource Technology</i> , <b>2015</b> , 191, 355-9	11	77
148	On the electrodeposition of titanium in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 2189-98	9.8	76
147	Occurrence of trace organic contaminants in wastewater sludge and their removals by anaerobic digestion. <i>Bioresource Technology</i> , <b>2016</b> , 210, 153-9	11	74
146	Phosphorus recovery from digested sludge centrate using seawater-driven forward osmosis. <i>Separation and Purification Technology</i> , <b>2016</b> , 163, 1-7	8.3	71
145	Continuous biotransformation of bisphenol A and diclofenac by laccase in an enzymatic membrane reactor. <i>International Biodeterioration and Biodegradation</i> , <b>2014</b> , 95, 25-32	4.8	71
144	A diffusion model for prune dehydration. <i>Journal of Food Engineering</i> , <b>1999</b> , 42, 167-172	6	70
143	Impacts of redox-mediator type on trace organic contaminants degradation by laccase: Degradation efficiency, laccase stability and effluent toxicity. <i>International Biodeterioration and Biodegradation</i> , <b>2016</b> , 113, 169-176	4.8	69
142	Influence of formulated chemical cleaning reagents on the surface properties and separation efficiency of nanofiltration membranes. <i>Journal of Membrane Science</i> , <b>2013</b> , 432, 73-82	9.6	68
141	A fragmentation study of isoflavones in negative electrospray ionization by MSn ion trap mass spectrometry and triple quadrupole mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2007</b> , 21, 857-68	2.2	68
140	Effects of caustic cleaning on pore size of nanofiltration membranes and their rejection of trace organic chemicals. <i>Journal of Membrane Science</i> , <b>2013</b> , 447, 153-162	9.6	67
139	Removal and fate of micropollutants in a sponge-based moving bed bioreactor. <i>Bioresource Technology</i> , <b>2014</b> , 159, 311-9	11	66
138	Photolysis and UV/H <sub>2</sub> O <sub>2</sub> of diclofenac, sulfamethoxazole, carbamazepine, and trimethoprim: Identification of their major degradation products by ESI-MS and assessment of the toxicity of reaction mixtures. <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 112, 222-234	5.5	66
137	Effects of salinity build-up on the performance and bacterial community structure of a membrane bioreactor. <i>Bioresource Technology</i> , <b>2016</b> , 200, 305-10	11	65

136	Coupling granular activated carbon adsorption with membrane bioreactor treatment for trace organic contaminant removal: breakthrough behaviour of persistent and hydrophilic compounds. <i>Journal of Environmental Management</i> , <b>2013</b> , 119, 173-81	7.9	65
135	Selection of forward osmosis draw solutes for subsequent integration with anaerobic treatment to facilitate resource recovery from wastewater. <i>Bioresource Technology</i> , <b>2015</b> , 191, 30-6	11	65
134	Effects of fouling and scaling on the retention of trace organic contaminants by a nanofiltration membrane: The role of cake-enhanced concentration polarisation. <i>Separation and Purification Technology</i> , <b>2010</b> , 73, 256-263	8.3	65
133	An anaerobic membrane bioreactor - membrane distillation hybrid system for energy recovery and water reuse: Removal performance of organic carbon, nutrients, and trace organic contaminants. <i>Science of the Total Environment</i> , <b>2018</b> , 628-629, 358-365	10.2	61
132	A novel membrane distillation-thermophilic bioreactor system: biological stability and trace organic compound removal. <i>Bioresource Technology</i> , <b>2014</b> , 159, 334-41	11	61
131	Biocatalytic degradation of pharmaceuticals, personal care products, industrial chemicals, steroid hormones and pesticides in a membrane distillation-enzymatic bioreactor. <i>Bioresource Technology</i> , <b>2018</b> , 247, 528-536	11	59
130	Effects of salinity build-up on the performance of an anaerobic membrane bioreactor regarding basic water quality parameters and removal of trace organic contaminants. <i>Bioresource Technology</i> , <b>2016</b> , 216, 399-405	11	59
129	Laccase-syringaldehyde-mediated degradation of trace organic contaminants in an enzymatic membrane reactor: Removal efficiency and effluent toxicity. <i>Bioresource Technology</i> , <b>2016</b> , 200, 477-84	11	59
128	Effects of salinity build-up on biomass characteristics and trace organic chemical removal: implications on the development of high retention membrane bioreactors. <i>Bioresource Technology</i> , <b>2015</b> , 177, 274-81	11	58
127	Impact of organic and colloidal fouling on trace organic contaminant rejection by forward osmosis: Role of initial permeate flux. <i>Desalination</i> , <b>2014</b> , 336, 146-152	10.3	58
126	Water extraction from mixed liquor of an aerobic bioreactor by forward osmosis: Membrane fouling and biomass characteristics assessment. <i>Separation and Purification Technology</i> , <b>2015</b> , 145, 56-62	8.3	57
125	The effects of mediator and granular activated carbon addition on degradation of trace organic contaminants by an enzymatic membrane reactor. <i>Bioresource Technology</i> , <b>2014</b> , 167, 169-77	11	54
124	The role of forward osmosis and microfiltration in an integrated osmotic-microfiltration membrane bioreactor system. <i>Chemosphere</i> , <b>2015</b> , 136, 125-32	8.4	54
123	Evaluating ionic organic draw solutes in osmotic membrane bioreactors for water reuse. <i>Journal of Membrane Science</i> , <b>2016</b> , 514, 636-645	9.6	53
122	Dietary combination of soy with a probiotic or prebiotic food significantly reduces total and LDL cholesterol in mildly hypercholesterolaemic subjects. <i>European Journal of Clinical Nutrition</i> , <b>2009</b> , 63, 238-45	5.2	52
121	Quartz crystal microbalance studies of the effect of solution temperature on the ion-exchange properties of polypyrrole conducting electroactive polymers. <i>Reactive and Functional Polymers</i> , <b>2003</b> , 56, 141-146	4.6	52
120	Development of membrane systems based on conducting polymers. <i>Synthetic Metals</i> , <b>1999</b> , 102, 1338-1341	4.1	51
119	Bacterial community dynamics in an anoxic-aerobic membrane bioreactor: Impact on nutrient and trace organic contaminant removal. <i>International Biodeterioration and Biodegradation</i> , <b>2016</b> , 109, 61-72	4.8	50

118	Degradation of a broad spectrum of trace organic contaminants by an enzymatic membrane reactor: Complementary role of membrane retention and enzymatic degradation. <i>International Biodeterioration and Biodegradation</i> , <b>2015</b> , 99, 115-122	4.8	50
117	Effect of hydraulic retention time on the performance of a hybrid moving bed biofilm reactor-membrane bioreactor system for micropollutants removal from municipal wastewater. <i>Bioresource Technology</i> , <b>2018</b> , 247, 1228-1232	11	49
116	Degradation of azo dye acid orange 7 in a membrane bioreactor by pellets and attached growth of <i>Coriolus versicolour</i> . <i>Bioresource Technology</i> , <b>2013</b> , 141, 29-34	11	49
115	Polypyrrole membranes containing chelating ligands: synthesis, characterisation and transport studies. <i>Polymer</i> , <b>2001</b> , 42, 8571-8579	3.9	48
114	An Osmotic Membrane Bioreactor-Membrane Distillation System for Simultaneous Wastewater Reuse and Seawater Desalination: Performance and Implications. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 14311-14320	10.3	47
113	Changes in surface properties and separation efficiency of a nanofiltration membrane after repeated fouling and chemical cleaning cycles. <i>Separation and Purification Technology</i> , <b>2013</b> , 113, 42-50	8.3	46
112	The effects of feed solution temperature on pore size and trace organic contaminant rejection by the nanofiltration membrane NF270. <i>Separation and Purification Technology</i> , <b>2014</b> , 125, 43-51	8.3	46
111	The chaperone action of bovine milk $\beta$ 1- and $\beta$ 2-caseins and their associated form $\beta$ -casein. <i>Archives of Biochemistry and Biophysics</i> , <b>2011</b> , 510, 42-52	4.1	46
110	Nutrient and trace organic contaminant removal from wastewater of a resort town: Comparison between a pilot and a full scale membrane bioreactor. <i>International Biodeterioration and Biodegradation</i> , <b>2015</b> , 102, 40-48	4.8	45
109	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. <i>Rapid Communications in Mass Spectrometry</i> , <b>2007</b> , 21, 4065-72	2.2	45
108	Factors governing the pre-concentration of wastewater using forward osmosis for subsequent resource recovery. <i>Science of the Total Environment</i> , <b>2016</b> , 566-567, 559-566	10.2	43
107	Parameters influencing transport across conducting electroactive polymer membranes. <i>Journal of Membrane Science</i> , <b>1996</b> , 119, 199-212	9.6	43
106	The kinetics of extraction of individual flavanols and caffeine from a Japanese green tea (Sen Cha Uji Tsuyu) as a function of temperature. <i>Food Chemistry</i> , <b>1994</b> , 50, 19-23	8.5	43
105	Ozonation of carbamazepine, diclofenac, sulfamethoxazole and trimethoprim and formation of major oxidation products. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 29340-29351		42
104	A critical review on advanced oxidation processes for the removal of trace organic contaminants: A voyage from individual to integrated processes. <i>Chemosphere</i> , <b>2020</b> , 260, 127460	8.4	40
103	Osmotic dilution for sustainable greenwall irrigation by liquid fertilizer: Performance and implications. <i>Journal of Membrane Science</i> , <b>2015</b> , 494, 32-38	9.6	39
102	Comparison between sequential and simultaneous application of activated carbon with membrane bioreactor for trace organic contaminant removal. <i>Bioresource Technology</i> , <b>2013</b> , 130, 412-7	11	39
101	Kinetics and equilibria of tea infusion: Rates of extraction of theaflavin, caffeine and theobromine from several whole teas and sieved fractions. <i>Journal of the Science of Food and Agriculture</i> , <b>1985</b> , 36, 1309-1314	4.3	39

100	Biodegradation of cellulose triacetate and polyamide forward osmosis membranes in an activated sludge bioreactor: Observations and implications. <i>Journal of Membrane Science</i> , <b>2016</b> , 510, 284-292	9.6	38
99	Removal of trace organic contaminants by nitrifying activated sludge and whole-cell and crude enzyme extract of <i>Trametes versicolor</i> . <i>Water Science and Technology</i> , <b>2013</b> , 67, 1216-23	2.2	38
98	Enhancement of trace organic contaminant degradation by crude enzyme extract from <i>Trametes versicolor</i> culture: Effect of mediator type and concentration. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2014</b> , 45, 1855-1862	5.3	37
97	Impact of wastewater derived dissolved interfering compounds on growth, enzymatic activity and trace organic contaminant removal of white rot fungi - A critical review. <i>Journal of Environmental Management</i> , <b>2017</b> , 201, 89-109	7.9	37
96	Effect of thermal treatment on the electroactivity of polyaniline. <i>Polymer</i> , <b>1996</b> , 37, 917-923	3.9	37
95	The temperature and density dependences of the self-diffusion coefficient and the shear viscosity of liquid trichloromethane. <i>Molecular Physics</i> , <b>1990</b> , 71, 1205-1221	1.7	37
94	Synthesis, characterisation and transport properties of layered conducting electroactive polypyrrole membranes. <i>Journal of Membrane Science</i> , <b>1998</b> , 148, 161-172	9.6	35
93	Degradation of diclofenac, trimethoprim, carbamazepine, and sulfamethoxazole by laccase from <i>Trametes versicolor</i> : Transformation products and toxicity of treated effluent. <i>Biocatalysis and Biotransformation</i> , <b>2019</b> , 37, 399-408	2.5	34
92	Effects of chemical cleaning on the nanofiltration of pharmaceutically active compounds (PhACs). <i>Separation and Purification Technology</i> , <b>2012</b> , 88, 208-215	8.3	34
91	Enhancement of removal of trace organic contaminants by powdered activated carbon dosing into membrane bioreactors. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2014</b> , 45, 571-578	5.3	34
90	Transport of copper(II) across stand-alone conducting polypyrrole membranes: the effect of applied potential waveforms. <i>Polymer</i> , <b>1993</b> , 34, 16-20	3.9	32
89	Modelling the kinetics of drying of dSAgen plums ( <i>Prunus domestica</i> ). <i>Food Chemistry</i> , <b>1997</b> , 60, 371-382	8.5	31
88	Biosolids reduction by the oxic-settling-anoxic process: Impact of sludge interchange rate. <i>Bioresource Technology</i> , <b>2016</b> , 210, 167-73	11	30
87	Increased probiotic yogurt or resistant starch intake does not affect isoflavone bioavailability in subjects consuming a high soy diet. <i>Nutrition</i> , <b>2007</b> , 23, 709-18	4.8	30
86	Volatile changes during dehydration of dSAgen prunes. <i>Journal of Agricultural and Food Chemistry</i> , <b>2000</b> , 48, 1838-42	5.7	30
85	Synthesis, characterisation and ion transport studies on polypyrrole/deoxyribonucleic acid conducting polymer membranes. <i>Synthetic Metals</i> , <b>2001</b> , 123, 279-286	3.6	30
84	Sodium hydroxide production from sodium carbonate and bicarbonate solutions using membrane electrolysis: A feasibility study. <i>Separation and Purification Technology</i> , <b>2014</b> , 127, 70-76	8.3	28
83	Removal of N-nitrosamines by an aerobic membrane bioreactor. <i>Bioresource Technology</i> , <b>2013</b> , 141, 41-51	11	28

82	Ion exchange behaviour and charge compensation mechanism of polypyrrole in electrolytes containing mono-, di- and trivalent metal ions. <i>Synthetic Metals</i> , <b>2009</b> , 159, 2590-2598	3.6	27
81	Simultaneous determination of isoflavones and lignans at trace levels in natural waters and wastewater samples using liquid chromatography/electrospray ionization ion trap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2006</b> , 20, 2411-8	2.2	27
80	Holistic sludge management through ozonation: A critical review. <i>Journal of Environmental Management</i> , <b>2017</b> , 185, 79-95	7.9	26
79	Assessing the integration of forward osmosis and anaerobic digestion for simultaneous wastewater treatment and resource recovery. <i>Bioresource Technology</i> , <b>2018</b> , 260, 221-226	11	25
78	Impact of simultaneous retention of micropollutants and laccase on micropollutant degradation in enzymatic membrane bioreactor. <i>Bioresource Technology</i> , <b>2018</b> , 267, 473-480	11	25
77	Kinetics of carbohydrate change during dehydration of dSagen prunes. <i>Food Chemistry</i> , <b>1997</b> , 59, 149-158	5.5	25
76	Effects of thermal pre-treatment and recuperative thickening on the fate of trace organic contaminants during anaerobic digestion of sewage sludge. <i>International Biodeterioration and Biodegradation</i> , <b>2017</b> , 124, 146-154	4.8	24
75	Physical cleaning techniques to control fouling during the pre-concentration of high suspended-solid content solutions for resource recovery by forward osmosis. <i>Desalination</i> , <b>2018</b> , 429, 134-141	10.3	23
74	New insights into the relationship between draw solution chemistry and trace organic rejection by forward osmosis. <i>Journal of Membrane Science</i> , <b>2019</b> , 587, 117184	9.6	23
73	The role of microbial diversity and composition in minimizing sludge production in the oxic-settling-anoxic process. <i>Science of the Total Environment</i> , <b>2017</b> , 607-608, 558-567	10.2	23
72	Effects of sludge retention time on oxic-settling-anoxic process performance: Biosolids reduction and dewatering properties. <i>Bioresource Technology</i> , <b>2016</b> , 218, 1187-94	11	23
71	Integration of an enzymatic bioreactor with membrane distillation for enhanced biodegradation of trace organic contaminants. <i>International Biodeterioration and Biodegradation</i> , <b>2017</b> , 124, 73-81	4.8	22
70	Synthesis and properties of a mechanically strong poly(bithiophene) composite polymer containing a polyelectrolyte dopant. <i>Synthetic Metals</i> , <b>2000</b> , 110, 123-132	3.6	22
69	Ion pairing and redissociation in concentrated aqueous solutions of 2:2 electrolytes: a transport coefficient study of aqueous zinc sulfate. <i>The Journal of Physical Chemistry</i> , <b>1991</b> , 95, 8933-8938		22
68	Understanding the mechanisms of trace organic contaminant removal by high retention membrane bioreactors: a critical review. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 34085-34100	5.1	22
67	A critical review of advanced oxidation processes for emerging trace organic contaminant degradation: Mechanisms, factors, degradation products, and effluent toxicity. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 40, 101778	6.7	22
66	The p,T-dependence of self-diffusion in fluid ammonia. <i>Journal of Molecular Liquids</i> , <b>1997</b> , 73-74, 433-444		21
65	The effect of dextran on subunit exchange of the molecular chaperone alphaA-crystallin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2007</b> , 1774, 102-11	4	21



64	Role of the waxy skin layer in moisture loss during dehydration of prunes. <i>Journal of Agricultural and Food Chemistry</i> , <b>2000</b> , 48, 4193-8	5.7	21
63	Kinetics and equilibria of tea infusion: Theaflavin and caffeine concentrations and partition constants in several whole teas and sieved fractions. <i>Journal of the Science of Food and Agriculture</i> , <b>1985</b> , 36, 1303-1308	4.3	20
62	Degradation and Fate of Pharmaceutically Active Contaminants by Advanced Oxidation Processes. <i>Current Pollution Reports</i> , <b>2017</b> , 3, 268-280	7.6	19
61	Effects of iron salt addition on biosolids reduction by oxic-settling-anoxic (OSA) process. <i>International Biodeterioration and Biodegradation</i> , <b>2015</b> , 104, 391-400	4.8	19
60	Electroless recovery of gold chloride using inherently conducting polymers. <i>Polymer International</i> , <b>2004</b> , 53, 681-687	3.3	19
59	Removal of trace organic contaminants by enzymatic membrane bioreactors: Role of membrane retention and biodegradation. <i>Journal of Membrane Science</i> , <b>2020</b> , 611, 118345	9.6	18
58	Factors governing the rejection of trace organic contaminants by nanofiltration and reverse osmosis membranes. <i>Desalination and Water Treatment</i> , <b>2014</b> , 52, 589-599		18
57	Occurrence of phytoestrogens in municipal wastewater and surface waters. <i>Journal of Environmental Monitoring</i> , <b>2009</b> , 11, 1477-83		18
56	Factors influencing the drying of prunes 1. Effects of temperature upon the kinetics of moisture loss during drying. <i>Food Chemistry</i> , <b>1996</b> , 57, 241-244	8.5	18
55	Persulfate oxidation-assisted membrane distillation process for micropollutant degradation and membrane fouling control. <i>Separation and Purification Technology</i> , <b>2019</b> , 222, 321-331	8.3	17
54	Impact of chemical cleaning on the nanofiltration of pharmaceutically active compounds (PhACs): The role of cleaning temperature. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2013</b> , 44, 713-723	5.3	17
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