

Bruce Jefferson

List of Publications by Year in descending order

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261
papers

17,497
citations

13827

67
h-index

16127

124
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272
all docs

272
docs citations

272
times ranked

14486
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonylphenol in the environment: A critical review on occurrence, fate, toxicity and treatment in wastewaters. <i>Environment International</i> , 2008, 34, 1033-1049.	4.8	962
2	The Characterization of Feces and Urine: A Review of the Literature to Inform Advanced Treatment Technology. <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45, 1827-1879.	6.6	896
3	Membrane Fouling in Membrane Bioreactors for Wastewater Treatment. <i>Journal of Environmental Engineering, ASCE</i> , 2002, 128, 1018-1029.	0.7	597
4	Characterisation of algogenic organic matter extracted from cyanobacteria, green algae and diatoms. <i>Water Research</i> , 2008, 42, 3435-3445.	5.3	569
5	A review of floc strength and breakage. <i>Water Research</i> , 2005, 39, 3121-3137.	5.3	565
6	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
7	The impact of algal properties and pre-oxidation on solid-liquid separation of algae. <i>Water Research</i> , 2008, 42, 1827-1845.	5.3	425
8	Membrane bioreactor technology for wastewater treatment and reuse. <i>Desalination</i> , 2006, 187, 271-282.	4.0	374
9	Aerobic MBRs for domestic wastewater treatment: a review with cost considerations. <i>Separation and Purification Technology</i> , 2000, 18, 119-130.	3.9	357
10	Breakage, Regrowth, and Fractal Nature of Natural Organic Matter Flocs. <i>Environmental Science & Technology</i> , 2005, 39, 2307-2314.	4.6	331
11	Fate of Zinc Oxide and Silver Nanoparticles in a Pilot Wastewater Treatment Plant and in Processed Biosolids. <i>Environmental Science & Technology</i> , 2014, 48, 104-112.	4.6	326
12	The impact of differing cell and algogenic organic matter (AOM) characteristics on the coagulation and flotation of algae. <i>Water Research</i> , 2010, 44, 3617-3624.	5.3	267
13	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
14	Grey water characterisation and its impact on the selection and operation of technologies for urban reuse. <i>Water Science and Technology</i> , 2004, 50, 157-164.	1.2	232
15	Comparison of the disinfection by-product formation potential of treated waters exposed to chlorine and monochloramine. <i>Water Research</i> , 2010, 44, 729-740.	5.3	223
16	Seasonal variations in natural organic matter and its impact on coagulation in water treatment. <i>Science of the Total Environment</i> , 2006, 363, 183-194.	3.9	215
17	Selective removal of phosphate from wastewater using hydrated metal oxides dispersed within anionic exchange media. <i>Chemosphere</i> , 2015, 119, 1353-1360.	4.2	195
18	Fouling mechanisms of alginate solutions as model extracellular polymeric substances. <i>Desalination</i> , 2005, 175, 7-20.	4.0	183

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19	A study of the microbial quality of grey water and an evaluation of treatment technologies for reuse. <i>Ecological Engineering</i> , 2008, 32, 187-197.	1.6	181
20	Technologies for domestic wastewater recycling. <i>Urban Water</i> , 2000, 1, 285-292.	0.5	180
21	Chlorine disinfection of grey water for reuse: Effect of organics and particles. <i>Water Research</i> , 2008, 42, 483-491.	5.3	169
22	Membrane bioreactors vs conventional biological treatment of landfill leachate: a brief review. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 1043-1049.	1.6	166
23	Modelling the energy demands of aerobic and anaerobic membrane bioreactors for wastewater treatment. <i>Environmental Technology (United Kingdom)</i> , 2011, 32, 921-932.	1.2	166
24	Impact of fractional character on the coagulation of NOM. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 286, 104-111.	2.3	163
25	Sub-critical flux fouling in membrane bioreactors – a review of recent literature. <i>Desalination</i> , 2005, 174, 221-230.	4.0	158
26	Magnetic ion-exchange resin treatment: Impact of water type and resin use. <i>Water Research</i> , 2008, 42, 1977-1988.	5.3	157
27	Successful Removal of Algae through the Control of Zeta Potential. <i>Separation Science and Technology</i> , 2008, 43, 1653-1666.	1.3	155
28	Combination of ferric and MIEX® for the treatment of a humic rich water. <i>Water Research</i> , 2004, 38, 2551-2558.	5.3	152
29	A critical review of trihalomethane and haloacetic acid formation from natural organic matter surrogates. <i>Environmental Technology Reviews</i> , 2012, 1, 93-113.	2.1	152
30	Microalgae for municipal wastewater nutrient remediation: mechanisms, reactors and outlook for tertiary treatment. <i>Environmental Technology Reviews</i> , 2015, 4, 133-148.	2.1	152
31	Impacts of microalgae pre-treatments for improved anaerobic digestion: Thermal treatment, thermal hydrolysis, ultrasound and enzymatic hydrolysis. <i>Water Research</i> , 2014, 65, 350-361.	5.3	148
32	Disinfection Byproduct Formation and Fractionation Behavior of Natural Organic Matter Surrogates. <i>Environmental Science & Technology</i> , 2009, 43, 5982-5989.	4.6	147
33	Floc structural characteristics using conventional coagulation for a high doc, low alkalinity surface water source. <i>Water Research</i> , 2006, 40, 2727-2737.	5.3	144
34	Comparison of coagulation performance and floc properties using a novel zirconium coagulant against traditional ferric and alum coagulants. <i>Water Research</i> , 2012, 46, 4179-4187.	5.3	144
35	Dissolved methane recovery from anaerobic effluents using hollow fibre membrane contactors. <i>Journal of Membrane Science</i> , 2016, 502, 141-150.	4.1	136
36	Treatment of disinfection byproduct precursors. <i>Environmental Technology (United Kingdom)</i> , 2011, 32, 1-25.	1.2	134

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37	The impact of algogenic organic matter on water treatment plant operation and water quality: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2016, 46, 291-335.	6.6	134
38	Influence of microalgal N and P composition on wastewater nutrient remediation. <i>Water Research</i> , 2016, 91, 371-378.	5.3	132
39	Chemical solutions for greywater recycling. <i>Chemosphere</i> , 2008, 71, 147-155.	4.2	126
40	Rotating biological contactors for wastewater treatment – A review. <i>Chemical Engineering Research and Design</i> , 2015, 94, 285-306.	2.7	116
41	Disinfection by-product formation of natural organic matter surrogates and treatment by coagulation, MIEXA® and nanofiltration. <i>Water Research</i> , 2010, 44, 1645-1653.	5.3	109
42	Nutrient addition to enhance biological treatment of greywater. <i>Water Research</i> , 2001, 35, 2702-2710.	5.3	108
43	Agglomeration of struvite crystals. <i>Water Research</i> , 2007, 41, 419-425.	5.3	108
44	Carbonaceous and nitrogenous disinfection by-product formation from algal organic matter. <i>Chemosphere</i> , 2017, 170, 1-9.	4.2	101
45	Measuring Floc Structural Characteristics. <i>Reviews in Environmental Science and Biotechnology</i> , 2005, 4, 1-18.	3.9	96
46	Impact of membrane configuration on fouling in anaerobic membrane bioreactors. <i>Journal of Membrane Science</i> , 2011, 382, 41-49.	4.1	96
47	Recovery of methane from anaerobic process effluent using poly-di-methyl-siloxane membrane contactors. <i>Water Science and Technology</i> , 2012, 65, 604-610.	1.2	92
48	How the Natural Organic Matter to Coagulant Ratio Impacts on Floc Structural Properties. <i>Environmental Science & Technology</i> , 2005, 39, 8919-8924.	4.6	91
49	The impact of background organic matter and alkalinity on the degradation of the pesticide metaldehyde by two advanced oxidation processes: UV/H ₂ O ₂ and UV/TiO ₂ . <i>Water Research</i> , 2013, 47, 2041-2049.	5.3	90
50	Pesticide removal from drinking water sources by adsorption: a review. <i>Environmental Technology Reviews</i> , 2019, 8, 1-24.	2.1	87
51	Evaluation of a UV-light emitting diodes unit for the removal of micropollutants in water for low energy advanced oxidation processes. <i>Chemosphere</i> , 2013, 92, 745-751.	4.2	86
52	Assessing microbiological water quality in drinking water distribution systems with disinfectant residual using flow cytometry. <i>Water Research</i> , 2014, 65, 224-234.	5.3	85
53	The Impact of Zeta Potential on the Physical Properties of Ferric-NOM Flocs. <i>Environmental Science & Technology</i> , 2006, 40, 3934-3940.	4.6	82
54	Heat transfer characteristics of silver/water nanofluids in a shell and tube heat exchanger. <i>Archives of Civil and Mechanical Engineering</i> , 2014, 14, 489-496.	1.9	81

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55	Non-covalent protein-polysaccharide interactions and their influence on membrane fouling. <i>Journal of Membrane Science</i> , 2013, 446, 310-317.	4.1	80
56	The impact of seasonal variations in DOC arising from a moorland peat catchment on coagulation with iron and aluminium salts. <i>Environmental Pollution</i> , 2006, 140, 436-443.	3.7	77
57	Struvite crystallisation and recovery using a stainless steel structure as a seed material. <i>Water Research</i> , 2007, 41, 2449-2456.	5.3	76
58	Surfactants as Bubble Surface Modifiers in the Flotation of Algae: Dissolved Air Flotation That Utilizes a Chemically Modified Bubble Surface. <i>Environmental Science & Technology</i> , 2008, 42, 4883-4888.	4.6	76
59	Examination of the physical properties of <i>Microcystis aeruginosa</i> flocs produced on coagulation with metal salts. <i>Water Research</i> , 2014, 60, 197-209.	5.3	76
60	Evaluating the impact of LED bulb development on the economic viability of ultraviolet technology for disinfection. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 400-406.	1.2	75
61	Turbidity composition and the relationship with microbial attachment and UV inactivation efficacy. <i>Science of the Total Environment</i> , 2018, 624, 638-647.	3.9	74
62	Hydrophobically-associating cationic polymers as micro-bubble surface modifiers in dissolved air flotation for cyanobacteria cell separation. <i>Water Research</i> , 2014, 61, 253-262.	5.3	73
63	Chemical and biological oxidation of NOM surrogates and effect on HAA formation. <i>Water Research</i> , 2009, 43, 2615-2622.	5.3	72
64	Membrane bioreactors and their role in wastewater reuse. <i>Water Science and Technology</i> , 2000, 41, 197-204.	1.2	71
65	A comparison of submerged and sidestream tubular membrane bioreactor configurations. <i>Desalination</i> , 2005, 173, 113-122.	4.0	71
66	Removal and recovery of phosphate from municipal wastewaters using a polymeric anion exchanger bound with hydrated ferric oxide nanoparticles. <i>Water Science and Technology</i> , 2009, 60, 2637-2645.	1.2	71
67	Greywater recycling: treatment options and applications. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2007, 160, 119-131.	0.4	70
68	Membrane bioreactors for use in small wastewater treatment plants: membrane materials and effluent quality. <i>Water Science and Technology</i> , 2000, 41, 205-211.	1.2	69
69	The impact of wastewater characteristics, algal species selection and immobilisation on simultaneous nitrogen and phosphorus removal. <i>Algal Research</i> , 2018, 31, 478-488.	2.4	67
70	Effect of artificial aeration on tertiary nitrification in a full-scale subsurface horizontal flow constructed wetland. <i>Ecological Engineering</i> , 2013, 54, 236-244.	1.6	66
71	Risk perception in participatory planning for water reuse. <i>Desalination</i> , 2006, 187, 149-158.	4.0	64
72	Pilot Scale Comparison of Enhanced Coagulation with Magnetic Resin Plus Coagulation Systems. <i>Environmental Science & Technology</i> , 2008, 42, 1276-1282.	4.6	64

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73	Performance of different advanced oxidation processes for tertiary wastewater treatment to remove the pesticide acetamiprid. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 72-81.	1.6	64
74	Advanced biological unit processes for domestic water recycling. <i>Water Science and Technology</i> , 2001, 43, 211-218.	1.2	62
75	The control of bubble size in carbonated beverages. <i>Chemical Engineering Science</i> , 2002, 57, 565-573.	1.9	62
76	Assessment of municipal waste compost as a daily cover material for odour control at landfill sites. <i>Environmental Pollution</i> , 2005, 135, 171-177.	3.7	62
77	Application of high intensity UVC-LED for the removal of acetamiprid with the photo-Fenton process. <i>Chemical Engineering Journal</i> , 2015, 264, 690-696.	6.6	62
78	Impacts of residence time during storage on potential of water saving for grey water recycling system. <i>Water Research</i> , 2010, 44, 267-277.	5.3	61
79	The use of contact angle measurements to estimate the adhesion propensity of calcium carbonate to solid substrates in water. <i>Applied Surface Science</i> , 2009, 255, 4873-4879.	3.1	59
80	Fouling control of a membrane coupled photocatalytic process treating greywater. <i>Water Research</i> , 2009, 43, 3932-3939.	5.3	58
81	The development and application of CFD models for water treatment flocculators. <i>Advances in Engineering Software</i> , 2010, 41, 99-109.	1.8	58
82	Treatment of municipal wastewater reverse osmosis concentrate using UVC-LED/H ₂ O ₂ with and without coagulation pre-treatment. <i>Chemical Engineering Journal</i> , 2015, 260, 649-656.	6.6	58
83	Evaluation of engineered nanoparticle toxic effect on wastewater microorganisms: Current status and challenges. <i>Ecotoxicology and Environmental Safety</i> , 2013, 95, 1-9.	2.9	56
84	Aged-engineered nanoparticles effect on sludge anaerobic digestion performance and associated microbial communities. <i>Science of the Total Environment</i> , 2017, 609, 232-241.	3.9	56
85	Economic evaluation of ion-exchange processes for nutrient removal and recovery from municipal wastewater. <i>Npj Clean Water</i> , 2020, 3, .	3.1	55
86	Influence of granular activated carbon media properties on natural organic matter and disinfection by-product precursor removal from drinking water. <i>Water Research</i> , 2020, 174, 115613.	5.3	55
87	Assessing floc strength using CFD to improve organics removal. <i>Chemical Engineering Research and Design</i> , 2008, 86, 941-950.	2.7	54
88	The Potential for Using Bubble Modification Chemicals in Dissolved Air Flotation for Algae Removal. <i>Separation Science and Technology</i> , 2009, 44, 1923-1940.	1.3	54
89	Impact on reactor configuration on the performance of anaerobic MBRs: Treatment of settled sewage in temperate climates. <i>Water Research</i> , 2013, 47, 4853-4860.	5.3	54
90	Preparation and evaluation of zeolites for ammonium removal from municipal wastewater through ion exchange process. <i>Scientific Reports</i> , 2020, 10, 12426.	1.6	53

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91	The impact of rainstorm events on coagulation and clarifier performance in potable water treatment. <i>Science of the Total Environment</i> , 2004, 321, 219-230.	3.9	52
92	Coagulation of NOM: linking character to treatment. <i>Water Science and Technology</i> , 2006, 53, 67-76.	1.2	52
93	Computational Fluid Dynamics Modelling of Flocculation in Water Treatment: A Review. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2009, 3, 220-241.	1.5	51
94	Sustainable Flux Fouling in a Membrane Bioreactor: Impact of Flux and MLSS. <i>Separation Science and Technology</i> , 2006, 41, 1279-1291.	1.3	50
95	Bacterial diversity is determined by volume in membrane bioreactors. <i>Environmental Microbiology</i> , 2006, 8, 1048-1055.	1.8	50
96	Establishing the suitability of symmetric ultrathin wall polydimethylsiloxane hollow-fibre membrane contactors for enhanced CO ₂ separation during biogas upgrading. <i>Journal of Membrane Science</i> , 2014, 452, 37-45.	4.1	50
97	Effect of hydrophilic/hydrophobic fractions of natural organic matter on irreversible fouling of membranes. <i>Desalination</i> , 2009, 249, 182-187.	4.0	49
98	The role of algal organic matter in the separation of algae and cyanobacteria using the novel "Posi" Dissolved air flotation process. <i>Water Research</i> , 2018, 130, 20-30.	5.3	49
99	Comparison of PPCPs removal on a parallel-operated MBR and AS system and evaluation of effluent post-treatment on vertical flow reed beds. <i>Water Science and Technology</i> , 2011, 63, 2411-2417.	1.2	48
100	Comparison of UV/H ₂ O ₂ and UV/TiO ₂ for the degradation of metaldehyde: Kinetics and the impact of background organics. <i>Water Research</i> , 2012, 46, 5655-5662.	5.3	48
101	Identification of gas sparging regimes for granular anaerobic membrane bioreactor to enable energy neutral municipal wastewater treatment. <i>Journal of Membrane Science</i> , 2018, 555, 125-133.	4.1	47
102	Low-Cost Membranes for Use in a Submerged MBR. <i>Chemical Engineering Research and Design</i> , 2001, 79, 183-188.	2.7	45
103	Demonstration of ion exchange technology for phosphorus removal and recovery from municipal wastewater. <i>Chemical Engineering Journal</i> , 2021, 420, 129913.	6.6	44
104	Inhibition of three algae species using chemicals released from barley straw. <i>Environmental Technology (United Kingdom)</i> , 2010, 31, 455-466.	1.2	42
105	Polymers as bubble surface modifiers in the flotation of algae. <i>Environmental Technology (United Kingdom)</i> 11 0.784314 1.2 42	1.2	42
106	The Role of Polymer in Improving Floc Strength for Filtration. <i>Environmental Science & Technology</i> , 2010, 44, 6443-6449.	4.6	42
107	Toward gas-phase controlled mass transfer in micro-porous membrane contactors for recovery and concentration of dissolved methane in the gas phase. <i>Journal of Membrane Science</i> , 2016, 510, 466-471.	4.1	42
108	The impact of background wastewater constituents on the selectivity and capacity of a hybrid ion exchange resin for phosphorus removal from wastewater. <i>Chemosphere</i> , 2019, 224, 494-501.	4.2	41

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109	Biogas upgrading by chemical absorption using ammonia rich absorbents derived from wastewater. <i>Water Research</i> , 2014, 48, 175-186.	5.3	40
110	Removal of disinfection by-product precursors by coagulation and an innovative suspended ion exchange process. <i>Water Research</i> , 2015, 87, 20-28.	5.3	40
111	The duplicity of floc strength. <i>Water Science and Technology</i> , 2004, 50, 63-70.	1.2	39
112	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
113	Low energy ballasted flotation. <i>Water Research</i> , 2009, 43, 3427-3434.	5.3	39
114	Photocatalytic oxidation of natural organic matter surrogates and the impact on trihalomethane formation potential. <i>Chemosphere</i> , 2010, 81, 1509-1516.	4.2	39
115	Methods for understanding organic fouling in MBRs. <i>Water Science and Technology</i> , 2004, 49, 237-244.	1.2	38
116	A review of the impact and potential of intermittent aeration on continuous flow nitrifying activated sludge. <i>Environmental Technology (United Kingdom)</i> , 2011, 32, 1685-1697.	1.2	37
117	Experiences of algae in UK waters: a treatment perspective. <i>Water and Environment Journal</i> , 2008, 22, 184-192.	1.0	35
118	Comparing flow cytometry with culture-based methods for microbial monitoring and as a diagnostic tool for assessing drinking water treatment processes. <i>Environment International</i> , 2019, 130, 104893.	4.8	35
119	Natural organic matter "the relationship between character and treatability. <i>Water Science and Technology: Water Supply</i> , 2004, 4, 43-48.	1.0	34
120	Microbubbles and their application to ozonation in water treatment: A critical review exploring their benefit and future application. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 1561-1603.	6.6	34
121	Identifying the linkage between particle characteristics and understanding coagulation performance. <i>Water Science and Technology: Water Supply</i> , 2006, 6, 31-38.	1.0	33
122	Constructed wetlands for grey water treatment. <i>Ecohydrology and Hydrobiology</i> , 2007, 7, 191-200.	1.0	33
123	Essential oils for the disinfection of grey water. <i>Water Research</i> , 2008, 42, 2260-2268.	5.3	32
124	Gas to liquid mass transfer in rheologically complex fluids. <i>Chemical Engineering Journal</i> , 2015, 273, 656-667.	6.6	32
125	Surface diagnostics for scale analysis. <i>Water Science and Technology</i> , 2004, 49, 183-190.	1.2	31
126	ULTRAVIOLET (UV) DISINFECTION OF GREY WATER: PARTICLE SIZE EFFECTS. <i>Environmental Technology (United Kingdom)</i> , 2008, 29, 235-244.	1.2	31

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127	Comparison of UV/TiO ₂ and UV/H ₂ O ₂ processes in an annular photoreactor for removal of micropollutants: Influence of water parameters on metaldehyde removal, quantum yields and energy consumption. <i>Applied Catalysis B: Environmental</i> , 2013, 138-139, 268-275.	10.8	31
128	The influence of ultrasound frequency and power, on the algal species <i>Microcystis aeruginosa</i> , <i>Aphanizomenon flos-aquae</i> , <i>Scenedesmus subspicatus</i> and <i>Melosira</i> sp.. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 2477-2490.	1.2	31
129	The impacts of replacing air bubbles with microspheres for the clarification of algae from low cell-density culture. <i>Water Research</i> , 2014, 53, 168-179.	5.3	31
130	Fate of E. Coli Across Mechanical Dewatering Processes. <i>Environmental Technology (United Kingdom)</i> , 2004, 25, 825-831.	1.2	27
131	Processes for enhanced NOM removal: beyond Fe and Al coagulation. <i>Water Science and Technology: Water Supply</i> , 2008, 8, 709-716.	1.0	27
132	Understanding the potential for selective natural organic matter removal by ion exchange. <i>Water Research</i> , 2018, 146, 256-263.	5.3	27
133	Comparison of fouling between aerobic and anaerobic MBR treating municipal wastewater. <i>H₂Open Journal</i> , 2018, 1, 131-159.	0.8	26
134	The combined influence of hydrophobicity, charge and molecular weight on natural organic matter removal by ion exchange and coagulation. <i>Chemosphere</i> , 2020, 238, 124633.	4.2	26
135	Insights into the effect of mixed engineered nanoparticles on activated sludge performance. <i>FEMS Microbiology Ecology</i> , 2015, 91, fiv082.	1.3	25
136	Water Recycling Technologies in the UK. <i>Water and Environment Journal</i> , 2001, 15, 282-286.	1.0	24
137	Constructed wetlands for urban grey water recycling. <i>International Journal of Environment and Pollution</i> , 2008, 33, 93.	0.2	24
138	Incorporating biodegradation and advanced oxidation processes in the treatment of spent metalworking fluids. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 2741-2750.	1.2	24
139	Ammonia recovery from brines originating from a municipal wastewater ion exchange process and valorization of recovered nitrogen into microbial protein. <i>Chemical Engineering Journal</i> , 2022, 427, 130896.	6.6	24
140	Experiences of algal bloom control using green solutions barley straw and ultrasound, an industry perspective. <i>Water and Environment Journal</i> , 2013, 27, 148-156.	1.0	23
141	Effect of elevated UV dose and alkalinity on metaldehyde removal and THM formation with UV/TiO ₂ and UV/H ₂ O ₂ . <i>Chemical Engineering Journal</i> , 2016, 288, 359-367.	6.6	23
142	Recovery and reuse of alginate in an immobilized algae reactor. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 2477-2490.	1.2	23
143	Resilience and life cycle assessment of ion exchange process for ammonium removal from municipal wastewater. <i>Science of the Total Environment</i> , 2021, 783, 146834.	3.9	23
144	Characterising natural organic matter flocs. <i>Water Science and Technology: Water Supply</i> , 2004, 4, 79-87.	1.0	22

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145	The Practical Application of Fractal Dimension in Water Treatment Practice—the Impact of Polymer Dosing. <i>Separation Science and Technology</i> , 2008, 43, 1785-1797.	1.3	22
146	Quantifying the loss of methane through secondary gas mass transport (or slip™) from a micro-porous membrane contactor applied to biogas upgrading. <i>Water Research</i> , 2013, 47, 3688-3695.	5.3	22
147	Influence of substrate on fouling in anoxic immersed membrane bioreactors. <i>Water Research</i> , 2007, 41, 3859-3867.	5.3	21
148	Controlling shell-side crystal nucleation in a gas–liquid membrane contactor for simultaneous ammonium bicarbonate recovery and biogas upgrading. <i>Journal of Membrane Science</i> , 2015, 473, 146-156.	4.1	21
149	Tertiary nutrient removal from wastewater by immobilised microalgae: impact of wastewater nutrient characteristics and hydraulic retention time (HRT). <i>H2Open Journal</i> , 2018, 1, 12-25.	0.8	21
150	Characterisation of food service establishment wastewater and its implication for treatment. <i>Journal of Environmental Management</i> , 2019, 252, 109657.	3.8	21
151	Dead-end filtration of natural organic matter: experimental evidence of critical conditions. <i>Desalination</i> , 2005, 175, 29-36.	4.0	20
152	Influence of pH on gas phase controlled mass transfer in a membrane contactor for hydrogen sulphide absorption. <i>Journal of Membrane Science</i> , 2013, 427, 276-282.	4.1	20
153	Performance of Four Full-Scale Artificially Aerated Horizontal Flow Constructed Wetlands for Domestic Wastewater Treatment. <i>Water (Switzerland)</i> , 2016, 8, 365.	1.2	20
154	Determining how polymer-bubble interactions impact algal separation using the novel “Posi”-dissolved air flotation process. <i>Separation and Purification Technology</i> , 2018, 201, 139-147.	3.9	20
155	Consequences of pH change on wastewater depth filtration using a multimedia filter. <i>Water Research</i> , 2018, 128, 111-119.	5.3	20
156	Sustaining membrane permeability during unsteady-state operation of anaerobic membrane bioreactors for municipal wastewater treatment following peak-flow. <i>Journal of Membrane Science</i> , 2018, 564, 289-297.	4.1	20
157	Are microbubbles magic or just small? a direct comparison of hydroxyl radical generation between microbubble and conventional bubble ozonation under typical operational conditions. <i>Chemical Engineering Journal</i> , 2022, 435, 134854.	6.6	20
158	A Comparison of Chemical Methods for the Control of Odours in Wastewater. <i>Chemical Engineering Research and Design</i> , 2002, 80, 93-99.	2.7	19
159	Comparison of grey water treatment performance by a cascading sand filter and a constructed wetland. <i>Water Science and Technology</i> , 2010, 62, 1471-1478.	1.2	18
160	The impact of barley straw conditioning on the inhibition of <i>Scenedesmus</i> using chemostats. <i>Water Research</i> , 2010, 44, 1373-1380.	5.3	17
161	Impact of aeration on macrophyte establishment in sub-surface constructed wetlands used for tertiary treatment of sewage. <i>Ecological Engineering</i> , 2016, 91, 65-73.	1.6	17
162	Comparable membrane permeability can be achieved in granular and flocculent anaerobic membrane bioreactor for sewage treatment through better sludge blanket control. <i>Journal of Water Process Engineering</i> , 2019, 28, 181-189.	2.6	17

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