

# Long D. Nghiem

## List of Publications by Year in descending order

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498  
papers

35,127  
citations

2544

96  
h-index

6131

159  
g-index

504  
all docs

504  
docs citations

504  
times ranked

21756  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on the occurrence of micropollutants in the aquatic environment and their fate and removal during wastewater treatment. <i>Science of the Total Environment</i> , 2014, 473-474, 619-641.	8.0	2,812
2	A mini-review on membrane fouling. <i>Bioresource Technology</i> , 2012, 122, 27-34.	9.6	1,048
3	Progress in the biological and chemical treatment technologies for emerging contaminant removal from wastewater: A critical review. <i>Journal of Hazardous Materials</i> , 2017, 323, 274-298.	12.4	886
4	Adsorptive removal of antibiotics from water and wastewater: Progress and challenges. <i>Science of the Total Environment</i> , 2015, 532, 112-126.	8.0	860
5	Removal of Natural Hormones by Nanofiltration Membranes: A Measurement, Modeling, and Mechanisms. <i>Environmental Science &amp; Technology</i> , 2004, 38, 1888-1896.	10.0	521
6	Extraction and transport of metal ions and small organic compounds using polymer inclusion membranes (PIMs). <i>Journal of Membrane Science</i> , 2006, 281, 7-41.	8.2	478
7	Pharmaceutical Retention Mechanisms by Nanofiltration Membranes. <i>Environmental Science &amp; Technology</i> , 2005, 39, 7698-7705.	10.0	434
8	Removal of trace organics by MBR treatment: The role of molecular properties. <i>Water Research</i> , 2011, 45, 2439-2451.	11.3	402
9	Potable Water Reuse through Advanced Membrane Technology. <i>Environmental Science &amp; Technology</i> , 2018, 52, 10215-10223.	10.0	363
10	Standard Methodology for Evaluating Membrane Performance in Osmotically Driven Membrane Processes. <i>Desalination</i> , 2013, 312, 31-38.	8.2	349
11	A critical review on antibiotics and hormones in swine wastewater: Water pollution problems and control approaches. <i>Journal of Hazardous Materials</i> , 2020, 387, 121682.	12.4	295
12	Comparison of the removal of hydrophobic trace organic contaminants by forward osmosis and reverse osmosis. <i>Water Research</i> , 2012, 46, 2683-2692.	11.3	270
13	Effects of membrane fouling on the nanofiltration of pharmaceutically active compounds (PhACs): Mechanisms and role of membrane pore size. <i>Separation and Purification Technology</i> , 2007, 57, 176-184.	7.9	258
14	Optimization of process parameters for production of volatile fatty acid, biohydrogen and methane from anaerobic digestion. <i>Bioresource Technology</i> , 2016, 219, 738-748.	9.6	246
15	Removal of the Natural Hormone Estrone from Aqueous Solutions Using Nanofiltration and Reverse Osmosis. <i>Environmental Science &amp; Technology</i> , 2003, 37, 182-188.	10.0	242
16	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> , 2013, 141, 97-108.	9.6	241
17	Full scale co-digestion of wastewater sludge and food waste: Bottlenecks and possibilities. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 72, 354-362.	16.4	239
18	Removal of organic micropollutants using advanced membrane-based water and wastewater treatment: A review. <i>Journal of Membrane Science</i> , 2020, 598, 117672.	8.2	238

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19	Boron removal by reverse osmosis membranes in seawater desalination applications. Separation and Purification Technology, 2010, 75, 87-101.	7.9	234
20	A Forward Osmosis Membrane Distillation Hybrid Process for Direct Sewer Mining: System Performance and Limitations. Environmental Science & Technology, 2013, 47, 13486-13493.	10.0	234
21	Toward Resource Recovery from Wastewater: Extraction of Phosphorus from Digested Sludge Using a Hybrid Forward Osmosis Membrane Distillation Process. Environmental Science and Technology Letters, 2014, 1, 191-195.	8.7	229
22	Challenges in the application of microbial fuel cells to wastewater treatment and energy production: A mini review. Science of the Total Environment, 2018, 639, 910-920.	8.0	225
23	Insight into chemical phosphate recovery from municipal wastewater. Science of the Total Environment, 2017, 576, 159-171.	8.0	219
24	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.	8.2	212
25	Role of electrostatic interactions in the retention of pharmaceutically active contaminants by a loose nanofiltration membrane. Journal of Membrane Science, 2006, 286, 52-59.	8.2	199
26	Treatment of RO brine from CSG produced water by spiral-wound air gap membrane distillation A pilot study. Desalination, 2015, 366, 121-129.	8.2	192
27	The COVID-19 pandemic: Considerations for the waste and wastewater services sector. Case Studies in Chemical and Environmental Engineering, 2020, 1, 100006.	6.1	187
28	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.	8.2	182
29	Activated carbon preparation from biomass feedstock: Clean production and carbon dioxide adsorption. Journal of Cleaner Production, 2019, 225, 405-413.	9.3	182
30	Thin-film composite forward osmosis membranes functionalized with graphene oxide silver nanocomposites for biofouling control. Journal of Membrane Science, 2017, 525, 146-156.	8.2	180
31	A critical review on ammonium recovery from wastewater for sustainable wastewater management. Bioresource Technology, 2018, 268, 749-758.	9.6	176
32	Role of pressure in organic fouling in forward osmosis and reverse osmosis. Journal of Membrane Science, 2015, 493, 748-754.	8.2	174
33	Anaerobic co-digestion: A critical review of mathematical modelling for performance optimization. Bioresource Technology, 2016, 222, 498-512.	9.6	171
34	A scaling mitigation approach during direct contact membrane distillation. Separation and Purification Technology, 2011, 80, 315-322.	7.9	169
35	Estrogenic hormone removal from wastewater using NF/RO membranes. Journal of Membrane Science, 2004, 242, 37-45.	8.2	164
36	Performance of a novel osmotic membrane bioreactor (OMBR) system: Flux stability and removal of trace organics. Bioresource Technology, 2012, 113, 201-206.	9.6	164

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37	The fate of pharmaceuticals, steroid hormones, phytoestrogens, UV-filters and pesticides during MBR treatment. <i>Bioresource Technology</i> , 2013, 144, 247-254.	9.6	163
38	Biofouling Mitigation in Forward Osmosis Using Graphene Oxide Functionalized Thin-Film Composite Membranes. <i>Environmental Science &amp; Technology</i> , 2016, 50, 5840-5848.	10.0	160
39	Anaerobic membrane bioreactors for antibiotic wastewater treatment: Performance and membrane fouling issues. <i>Bioresource Technology</i> , 2018, 267, 714-724.	9.6	154
40	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> , 2013, 438, 57-64.	8.2	153
41	Osmotic versus conventional membrane bioreactors integrated with reverse osmosis for water reuse: Biological stability, membrane fouling, and contaminant removal. <i>Water Research</i> , 2017, 109, 122-134.	11.3	152
42	Occurrence and risk assessment of multiple classes of antibiotics in urban canals and lakes in Hanoi, Vietnam. <i>Science of the Total Environment</i> , 2019, 692, 157-174.	8.0	151
43	NF/RO filtration of the hydrophobic ionogenic compound triclosan: Transport mechanisms and the influence of membrane fouling. <i>Separation and Purification Technology</i> , 2008, 62, 709-716.	7.9	146
44	Insights into biofilm carriers for biological wastewater treatment processes: Current state-of-the-art, challenges, and opportunities. <i>Bioresource Technology</i> , 2019, 288, 121619.	9.6	146
45	A critical review on membrane hybrid system for nutrient recovery from wastewater. <i>Chemical Engineering Journal</i> , 2018, 348, 143-156.	12.7	145
46	A comprehensive review on the framework to valorise lignocellulosic biomass as biorefinery feedstocks. <i>Science of the Total Environment</i> , 2020, 743, 140630.	8.0	145
47	Removal of trace organic contaminants by the forward osmosis process. <i>Separation and Purification Technology</i> , 2013, 103, 258-266.	7.9	144
48	Evaluating energy consumption of air gap membrane distillation for seawater desalination at pilot scale level. <i>Separation and Purification Technology</i> , 2016, 166, 55-62.	7.9	144
49	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> , 2014, 88, 169-175.	3.9	143
50	Roles of polyurethane foam in aerobic moving and fixed bed bioreactors. <i>Bioresource Technology</i> , 2010, 101, 1435-1439.	9.6	141
51	Resource recovery from wastewater by anaerobic membrane bioreactors: Opportunities and challenges. <i>Bioresource Technology</i> , 2018, 270, 669-677.	9.6	140
52	Exploration of EDTA sodium salt as novel draw solution in forward osmosis process for dewatering of high nutrient sludge. <i>Journal of Membrane Science</i> , 2014, 455, 305-311.	8.2	139
53	Hollow fibre membrane contactors for ammonia recovery: Current status and future developments. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1349-1359.	6.7	139
54	Removal of micropollutants by membrane bioreactor under temperature variation. <i>Journal of Membrane Science</i> , 2011, 383, 144-151.	8.2	138

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55	Sludge cycling between aerobic, anoxic and anaerobic regimes to reduce sludge production during wastewater treatment: Performance, mechanisms, and implications. <i>Bioresource Technology</i> , 2014, 155, 395-409.	9.6	138
56	Monitoring antibiotic resistance genes in wastewater treatment: Current strategies and future challenges. <i>Science of the Total Environment</i> , 2021, 783, 146964.	8.0	136
57	Effect of mixed liquor pH on the removal of trace organic contaminants in a membrane bioreactor. <i>Bioresource Technology</i> , 2010, 101, 1494-1500.	9.6	135
58	Rejection of pharmaceutically active compounds by forward osmosis: Role of solution pH and membrane orientation. <i>Separation and Purification Technology</i> , 2012, 93, 107-114.	7.9	135
59	Effects of mixing and covering with mature compost on gaseous emissions during composting. <i>Chemosphere</i> , 2014, 117, 14-19.	8.2	129
60	Removal of trace organic contaminants by a membrane bioreactor-granular activated carbon (MBR-GAC) system. <i>Bioresource Technology</i> , 2012, 113, 169-173.	9.6	127
61	Continuous adsorption and biotransformation of micropollutants by granular activated carbon-bound laccase in a packed-bed enzyme reactor. <i>Bioresource Technology</i> , 2016, 210, 108-116.	9.6	127
62	Synergistic effect from anaerobic co-digestion of sewage sludge and organic wastes. <i>International Biodeterioration and Biodegradation</i> , 2017, 116, 191-197.	3.9	127
63	Removal of Trace Organic Chemicals and Performance of a Novel Hybrid Ultrafiltration-Osmotic Membrane Bioreactor. <i>Environmental Science &amp; Technology</i> , 2014, 48, 10859-10868.	10.0	126
64	Effects of membrane degradation on the removal of pharmaceutically active compounds (PhACs) by NF/RO filtration processes. <i>Journal of Membrane Science</i> , 2009, 340, 16-25.	8.2	125
65	Coupling effects of feed solution pH and ionic strength on the rejection of boron by NF/RO membranes. <i>Chemical Engineering Journal</i> , 2011, 168, 700-706.	12.7	124
66	Relating rejection of trace organic contaminants to membrane properties in forward osmosis: Measurements, modelling and implications. <i>Water Research</i> , 2014, 49, 265-274.	11.3	124
67	Lithium extraction from Chinese salt-lake brines: opportunities, challenges, and future outlook. <i>Environmental Science: Water Research and Technology</i> , 2017, 3, 593-597.	2.4	122
68	Degradation of Pharmaceuticals and Personal Care Products by White-Rot Fungi—a Critical Review. <i>Current Pollution Reports</i> , 2017, 3, 88-103.	6.6	121
69	Challenges in biogas production from anaerobic membrane bioreactors. <i>Renewable Energy</i> , 2016, 98, 120-134.	8.9	120
70	Trace organic contaminants in biosolids: Impact of conventional wastewater and sludge processing technologies and emerging alternatives. <i>Journal of Hazardous Materials</i> , 2015, 300, 1-17.	12.4	119
71	N-nitrosamine removal by reverse osmosis for indirect potable water reuse — A critical review based on observations from laboratory-, pilot- and full-scale studies. <i>Separation and Purification Technology</i> , 2012, 98, 503-515.	7.9	118
72	Performance evaluation of powdered activated carbon for removing 28 types of antibiotics from water. <i>Journal of Environmental Management</i> , 2016, 172, 193-200.	7.8	118

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73	Scaling mitigation in membrane distillation: From superhydrophobic to slippery. <i>Desalination</i> , 2019, 466, 36-43.	8.2	117
74	Characterising humic acid fouling of nanofiltration membranes using bisphenol A as a molecular indicator. <i>Water Research</i> , 2008, 42, 4049-4058.	11.3	116
75	Simultaneous activated carbon adsorption within a membrane bioreactor for an enhanced micropollutant removal. <i>Bioresource Technology</i> , 2011, 102, 5319-5324.	9.6	115
76	Removal of emerging trace organic contaminants by MBR-based hybrid treatment processes. <i>International Biodeterioration and Biodegradation</i> , 2013, 85, 474-482.	3.9	114
77	Treatment of shale gas drilling flowback fluids (SGDFs) by forward osmosis: Membrane fouling and mitigation. <i>Desalination</i> , 2015, 366, 113-120.	8.2	114
78	Rejection and fate of trace organic compounds (TrOCs) during membrane distillation. <i>Journal of Membrane Science</i> , 2014, 453, 636-642.	8.2	113
79	Removal of carbamazepine and sulfamethoxazole by MBR under anoxic and aerobic conditions. <i>Bioresource Technology</i> , 2011, 102, 10386-10390.	9.6	112
80	Removal of trace organic contaminants by an MBR comprising a mixed culture of bacteria and white-rot fungi. <i>Bioresource Technology</i> , 2013, 148, 234-241.	9.6	112
81	New functional biocarriers for enhancing the performance of a hybrid moving bed biofilm reactor—membrane bioreactor system. <i>Bioresource Technology</i> , 2016, 208, 87-93.	9.6	110
82	Phosphorus and water recovery by a novel osmotic membrane bioreactor—reverse osmosis system. <i>Bioresource Technology</i> , 2016, 200, 297-304.	9.6	109
83	Removal of bisphenol A and diclofenac by a novel fungal membrane bioreactor operated under non-sterile conditions. <i>International Biodeterioration and Biodegradation</i> , 2013, 85, 483-490.	3.9	108
84	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> , 2015, 486, 106-118.	8.2	108
85	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—LC—MS and assessment of the toxicity of reaction mixtures. <i>Chemical Engineering Research and Design</i> , 2017, 112, 222-234.	5.6	108
86	Development of a predictive framework to assess the removal of trace organic chemicals by anaerobic membrane bioreactor. <i>Bioresource Technology</i> , 2015, 189, 391-398.	9.6	107
87	Graphene/PVDF flat-sheet membrane for the treatment of RO brine from coal seam gas produced water by air gap membrane distillation. <i>Journal of Membrane Science</i> , 2016, 513, 74-84.	8.2	107
88	Impact of humic acid fouling on membrane performance and transport of pharmaceutically active compounds in forward osmosis. <i>Water Research</i> , 2013, 47, 4567-4575.	11.3	104
89	The effect of information on public acceptance — The case of water from alternative sources. <i>Journal of Environmental Management</i> , 2010, 91, 1288-1293.	7.8	103
90	Effects of membrane fouling and scaling on boron rejection by nanofiltration and reverse osmosis membranes. <i>Desalination</i> , 2011, 279, 269-277.	8.2	103

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91	Biomethane production from anaerobic co-digestion at wastewater treatment plants: A critical review on development and innovations in biogas upgrading techniques. <i>Science of the Total Environment</i> , 2021, 765, 142753.	8.0	103
92	Optimising thermal efficiency of direct contact membrane distillation by brine recycling for small-scale seawater desalination. <i>Desalination</i> , 2015, 374, 1-9.	8.2	102
93	Adsorption and Transport of Trace Contaminant Estrone in NF/RO Membranes. <i>Environmental Engineering Science</i> , 2002, 19, 441-451.	1.6	101
94	Pesticide removal by a mixed culture of bacteria and white-rot fungi. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2012, 43, 459-462.	5.3	101
95	High retention membrane bioreactors: Challenges and opportunities. <i>Bioresource Technology</i> , 2014, 167, 539-546.	9.6	101
96	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> , 2016, 113, 169-176.	3.9	101
97	Mechanisms underlying the effects of membrane fouling on the nanofiltration of trace organic contaminants. <i>Desalination</i> , 2010, 250, 682-687.	8.2	100
98	A comparison study on membrane fouling in a sponge-submerged membrane bioreactor and a conventional membrane bioreactor. <i>Bioresource Technology</i> , 2014, 165, 69-74.	9.6	100
99	Evaluation of micropollutant removal and fouling reduction in a hybrid moving bed biofilm reactorâ€“membrane bioreactor system. <i>Bioresource Technology</i> , 2015, 191, 355-359.	9.6	98
100	Water reclamation from shale gas drilling flow-back fluid using a novel forward osmosisâ€“vacuum membrane distillation hybrid system. <i>Water Science and Technology</i> , 2014, 69, 1036-1044.	2.5	96
101	Adsorptive interactions between membranes and trace contaminants. <i>Desalination</i> , 2002, 147, 269-274.	8.2	94
102	Occurrence of trace organic contaminants in wastewater sludge and their removals by anaerobic digestion. <i>Bioresource Technology</i> , 2016, 210, 153-159.	9.6	94
103	Oxidation of triclosan by ferrate: Reaction kinetics, products identification and toxicity evaluation. <i>Journal of Hazardous Materials</i> , 2011, 186, 227-235.	12.4	93
104	Scaling control during membrane distillation of coal seam gas reverse osmosis brine. <i>Journal of Membrane Science</i> , 2015, 493, 673-682.	8.2	93
105	Zeolite powder based polyurethane sponges as biocarriers in moving bed biofilm reactor for improving nitrogen removal of municipal wastewater. <i>Science of the Total Environment</i> , 2019, 651, 1078-1086.	8.0	93
106	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. <i>Science of the Total Environment</i> , 2018, 628-629, 358-365.	8.0	92
107	Treatment of coal seam gas produced water for beneficial use in Australia: A review of best practices. <i>Desalination and Water Treatment</i> , 2011, 32, 316-323.	1.0	87
108	Competitive adsorption of metals on cabbage waste from multi-metal solutions. <i>Bioresource Technology</i> , 2014, 160, 79-88.	9.6	87

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109	Oxidation reduction potential as a parameter to regulate micro-oxygen injection into anaerobic digester for reducing hydrogen sulphide concentration in biogas. <i>Bioresource Technology</i> , 2014, 173, 443-447.	9.6	86
110	Removal of antibiotics in sponge membrane bioreactors treating hospital wastewater: Comparison between hollow fiber and flat sheet membrane systems. <i>Bioresource Technology</i> , 2017, 240, 42-49.	9.6	86
111	Biocatalytic degradation of pharmaceuticals, personal care products, industrial chemicals, steroid hormones and pesticides in a membrane distillation-enzymatic bioreactor. <i>Bioresource Technology</i> , 2018, 247, 528-536.	9.6	86
112	Removal and fate of micropollutants in a sponge-based moving bed bioreactor. <i>Bioresource Technology</i> , 2014, 159, 311-319.	9.6	85
113	A sacrificial-layer approach to fabricate polysulfone support for forward osmosis thin-film composite membranes with reduced internal concentration polarisation. <i>Journal of Membrane Science</i> , 2015, 481, 106-114.	8.2	85
114	Biomimetic aquaporin membranes for osmotic membrane bioreactors: Membrane performance and contaminant removal. <i>Bioresource Technology</i> , 2018, 249, 62-68.	9.6	85
115	Phosphorus recovery from digested sludge centrate using seawater-driven forward osmosis. <i>Separation and Purification Technology</i> , 2016, 163, 1-7.	7.9	84
116	Influence of thermal hydrolysis pretreatment on physicochemical properties and anaerobic biodegradability of waste activated sludge with different solids content. <i>Waste Management</i> , 2019, 85, 214-221.	7.4	84
117	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> , 2016, 216, 399-405.	9.6	83
118	Feasibility study on a double chamber microbial fuel cell for nutrient recovery from municipal wastewater. <i>Chemical Engineering Journal</i> , 2019, 358, 236-242.	12.7	83
119	Enhanced high-quality biomethane production from anaerobic digestion of primary sludge by corn stover biochar. <i>Bioresource Technology</i> , 2020, 306, 123159.	9.6	83
120	Effects of caustic cleaning on pore size of nanofiltration membranes and their rejection of trace organic chemicals. <i>Journal of Membrane Science</i> , 2013, 447, 153-162.	8.2	82
121	Simultaneous nitrification/denitrification and trace organic contaminant (TrOC) removal by an anoxic-aerobic membrane bioreactor (MBR). <i>Bioresource Technology</i> , 2014, 165, 96-104.	9.6	82
122	Continuous biotransformation of bisphenol A and diclofenac by <i>laccase</i> in an enzymatic membrane reactor. <i>International Biodeterioration and Biodegradation</i> , 2014, 95, 25-32.	3.9	82
123	Influence of formulated chemical cleaning reagents on the surface properties and separation efficiency of nanofiltration membranes. <i>Journal of Membrane Science</i> , 2013, 432, 73-82.	8.2	81
124	Effects of salinity build-up on the performance and bacterial community structure of a membrane bioreactor. <i>Bioresource Technology</i> , 2016, 200, 305-310.	9.6	81
125	Greenhouse gas emissions from different pig manure management techniques: a critical analysis. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	6.0	81
126	Effect of filling fraction on the performance of sponge-based moving bed biofilm reactor. <i>Bioresource Technology</i> , 2016, 219, 762-767.	9.6	80



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127	Effect of organic loading rate on the recovery of nutrients and energy in a dual-chamber microbial fuel cell. <i>Bioresource Technology</i> , 2019, 281, 367-373.	9.6	80
128	Nanofiltration of Hormone Mimicking Trace Organic Contaminants. <i>Separation Science and Technology</i> , 2005, 40, 2633-2649.	2.5	79
129	Evaluation of a novel sponge-submerged membrane bioreactor (SSMBR) for sustainable water reclamation. <i>Bioresource Technology</i> , 2008, 99, 2429-2435.	9.6	79
130	Landfill leachate treatment using hybrid coagulation-nanofiltration processes. <i>Desalination</i> , 2010, 250, 677-681.	8.2	79
131	Removal process of antibiotics during anaerobic treatment of swine wastewater. <i>Bioresource Technology</i> , 2020, 300, 122707.	9.6	79
132	Enhanced biological phosphorus removal and its modeling for the activated sludge and membrane bioreactor processes. <i>Bioresource Technology</i> , 2013, 139, 363-374.	9.6	78
133	Selection of forward osmosis draw solutes for subsequent integration with anaerobic treatment to facilitate resource recovery from wastewater. <i>Bioresource Technology</i> , 2015, 191, 30-36.	9.6	78
134	Insight into greenhouse gases emissions from the two popular treatment technologies in municipal wastewater treatment processes. <i>Science of the Total Environment</i> , 2019, 671, 1302-1313.	8.0	78
135	Bisphenol A retention in the direct ultrafiltration of greywater. <i>Journal of Membrane Science</i> , 2006, 283, 233-243.	8.2	76
136	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> , 2014, 125, 43-51.	7.9	76
137	Co-digestion of sewage sludge and crude glycerol for on-demand biogas production. <i>International Biodeterioration and Biodegradation</i> , 2014, 95, 160-166.	3.9	76
138	Trace organic contaminant rejection by aquaporin forward osmosis membrane: Transport mechanisms and membrane stability. <i>Water Research</i> , 2018, 132, 90-98.	11.3	76
139	Thermophilic anaerobic digestion of model organic wastes: Evaluation of biomethane production and multiple kinetic models analysis. <i>Bioresource Technology</i> , 2019, 280, 269-276.	9.6	76
140	Effects of membrane fouling on the nanofiltration of trace organic contaminants. <i>Desalination</i> , 2009, 236, 273-281.	8.2	75
141	Laccase-mediated syringaldehyde-mediated degradation of trace organic contaminants in an enzymatic membrane reactor: Removal efficiency and effluent toxicity. <i>Bioresource Technology</i> , 2016, 200, 477-484.	9.6	75
142	Per- and polyfluoroalkyl substances in soil and sediments: Occurrence, fate, remediation and future outlook. <i>Science of the Total Environment</i> , 2020, 748, 141251.	8.0	75
143	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> , 2010, 73, 256-263.	7.9	74
144	A novel membrane distillation-thermophilic bioreactor system: Biological stability and trace organic compound removal. <i>Bioresource Technology</i> , 2014, 159, 334-341.	9.6	74

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145	Nanofiltration of trace organic chemicals: A comparison between ceramic and polymeric membranes. Separation and Purification Technology, 2014, 136, 258-264.	7.9	74
146	A novel electrospun, hydrophobic, and elastomeric styrene-butadiene-styrene membrane for membrane distillation applications. Journal of Membrane Science, 2018, 549, 420-427.	8.2	74
147	Critical risk points of nanofiltration and reverse osmosis processes in water recycling applications. Desalination, 2006, 187, 303-312.	8.2	73
148	Coupling granular activated carbon adsorption with membrane bioreactor treatment for trace organic contaminant removal: Breakthrough behaviour of persistent and hydrophilic compounds. Journal of Environmental Management, 2013, 119, 173-181.	7.8	73
149	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.	9.6	73
150	3D printed spacers for organic fouling mitigation in membrane distillation. Journal of Membrane Science, 2019, 581, 331-343.	8.2	73
151	Roles and applications of enzymes for resistant pollutants removal in wastewater treatment. Bioresource Technology, 2021, 335, 125278.	9.6	72
152	Analysis of N-nitrosamines in water by isotope dilution gas chromatography-electron ionisation tandem mass spectrometry. Talanta, 2012, 99, 146-154.	5.5	70
153	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.	9.6	70
154	Degradation of diclofenac, trimethoprim, carbamazepine, and sulfamethoxazole by laccase from <i>Trametes versicolor</i> : Transformation products and toxicity of treated effluent. Biocatalysis and Biotransformation, 2019, 37, 399-408.	2.0	70
155	Micropollutants cometabolism of microalgae for wastewater remediation: Effect of carbon sources to cometabolism and degradation products. Water Research, 2020, 183, 115974.	11.3	70
156	Microalgae-bacteria consortium for wastewater treatment and biomass production. Science of the Total Environment, 2022, 838, 155871.	8.0	70
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