

Long D. Nghiem

List of Publications by Year in descending order

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498
papers

35,127
citations

2544

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docs citations

504
times ranked

21756
citing authors

#	ARTICLE	IF	CITATIONS
1	Microalgae-based carbon capture and utilization: A critical review on current system developments and biomass utilization. <i>Critical Reviews in Environmental Science and Technology</i> , 2023, 53, 216-238.	12.8	28
2	A contemporary review of enzymatic applications in the remediation of emerging estrogenic compounds. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 2661-2690.	12.8	17
3	Assessment of pilot direct contact membrane distillation regeneration of lithium chloride solution in liquid desiccant air-conditioning systems using computer simulation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 41941-41952.	5.3	4
4	Simultaneous nutrient recovery and algal biomass production from anaerobically digested sludge centrate using a membrane photobioreactor. <i>Bioresource Technology</i> , 2022, 343, 126069.	9.6	12
5	Advancements in detection and removal of antibiotic resistance genes in sludge digestion: A state-of-art review. <i>Bioresource Technology</i> , 2022, 344, 126197.	9.6	40
6	Free and immobilized biocatalysts for removing micropollutants from water and wastewater: Recent progress and challenges. <i>Bioresource Technology</i> , 2022, 344, 126201.	9.6	61
7	Phthalates in the environment: characteristics, fate and transport, and advanced wastewater treatment technologies. <i>Bioresource Technology</i> , 2022, 344, 126249.	9.6	56
8	New insights to the difference in microbial composition and interspecies interactions between fouling layer and mixed liquor in a membrane bioreactor. <i>Journal of Membrane Science</i> , 2022, 643, 120034.	8.2	8
9	New transformation products from ozonation and photolysis of diclofenac in the aqueous phase. <i>Chemical Engineering Research and Design</i> , 2022, 157, 106-114.	5.6	6
10	Chiral inversion of 2-arylpropionic acid (2-APA) enantiomers during simulated biological wastewater treatment. <i>Water Research</i> , 2022, 209, 117871.	11.3	4
11	Enzyme-based control of membrane biofouling for water and wastewater purification: A comprehensive review. <i>Environmental Technology and Innovation</i> , 2022, 25, 102106.	6.1	20
12	Selection of microalgae strains for sustainable production of aviation biofuel. <i>Bioresource Technology</i> , 2022, 345, 126408.	9.6	24
13	Monitoring the performance of permeable reactive barriers constructed in acid sulfate soils. <i>Engineering Geology</i> , 2022, 296, 106465.	6.3	11
14	Synthesis and evaluation of cationic polyacrylamide and polyacrylate flocculants for harvesting freshwater and marine microalgae. <i>Chemical Engineering Journal</i> , 2022, 433, 133623.	12.7	14
15	Recent advances in attached growth membrane bioreactor systems for wastewater treatment. <i>Science of the Total Environment</i> , 2022, 808, 152123.	8.0	21
16	Current application of algae derivatives for bioplastic production: A review. <i>Bioresource Technology</i> , 2022, 347, 126698.	9.6	60
17	Hydrogen sulphide management in anaerobic digestion: A critical review on input control, process regulation, and post-treatment. <i>Bioresource Technology</i> , 2022, 346, 126634.	9.6	26
18	Bio-membrane integrated systems for nitrogen recovery from wastewater in circular bioeconomy. <i>Chemosphere</i> , 2022, 289, 133175.	8.2	10

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19	Humification and maturation of kitchen waste during indoor composting by individual households. <i>Science of the Total Environment</i> , 2022, 814, 152509.	8.0	25
20	Wastewater to R3 " resource recovery, recycling, and reuse efficiency in urban wastewater treatment plants. , 2022, , 3-16.		0
21	Carbon dioxide fixation and phycoremediation by algae-based technologies for biofuels and biomaterials. , 2022, , 253-277.		0
22	Life-cycle assessment on sequestration of greenhouse gases for the production of biofuels and biomaterials. , 2022, , 179-202.		0
23	Sustainable production and applications of biochar in circular bioeconomy. , 2022, , 337-361.		0
24	Recent developments of hydrogel based solar water purification technology. <i>Materials Advances</i> , 2022, 3, 1322-1340.	5.4	21
25	New insights in biodegradation of organic pollutants. <i>Bioresource Technology</i> , 2022, 347, 126737.	9.6	8
26	Metals extraction processes from electronic waste: constraints and opportunities. <i>Environmental Science and Pollution Research</i> , 2022, 29, 32651-32669.	5.3	19
27	Tweak in Puzzle: Tailoring Membrane Chemistry and Structure toward Targeted Removal of Organic Micropollutants for Water Reuse. <i>Environmental Science and Technology Letters</i> , 2022, 9, 247-257.	8.7	42
28	Linking endogenous decay and sludge bulking in the microbial community to membrane fouling at sub-critical flux. , 2022, 2, 100023.		2
29	Polyethylene separator supported thin-film composite forward osmosis membranes for concentrating lithium enriched brine. <i>Water Research</i> , 2022, 216, 118297.	11.3	22
30	Microalgae-bacteria consortium for wastewater treatment and biomass production. <i>Science of the Total Environment</i> , 2022, 838, 155871.	8.0	70
31	Comparison between cold plasma, ultrasonication, and alkaline hydrogen peroxide pretreatments of garden waste to enhance humification in subsequent composting with kitchen waste: Performance and mechanisms. <i>Bioresource Technology</i> , 2022, 354, 127228.	9.6	23
32	Mitigation of reverse osmosis membrane fouling by electrochemical-microfiltration- activated carbon pretreatment. <i>Journal of Membrane Science</i> , 2022, 656, 120615.	8.2	16
33	Effects of harvesting on morphological and biochemical characteristics of microalgal biomass harvested by polyacrylamide addition, pH-induced flocculation, and centrifugation. <i>Bioresource Technology</i> , 2022, 359, 127433.	9.6	10
34	Chiral Inversion of 2-Arylpropionic Acid Enantiomers under Anaerobic Conditions. <i>Environmental Science & Technology</i> , 2022, 56, 8197-8208.	10.0	2
35	Nutrient recovery from anaerobic digestate. , 2022, , 131-150.		0
36	Role of spent coffee ground biochar in an anaerobic membrane bioreactor for treating synthetic swine wastewater. <i>Journal of Water Process Engineering</i> , 2022, 49, 102981.	5.6	19

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37	Improving sulfonamide antibiotics removal from swine wastewater by supplying a new pomelo peel derived biochar in an anaerobic membrane bioreactor. <i>Bioresource Technology</i> , 2021, 319, 124160.	9.6	63
38	Fixed-bed adsorption performance and empirical modeling of cadmium removal using adsorbent prepared from the cyanobacterium <i>Aphanothece</i> sp cultivar. <i>Environmental Technology and Innovation</i> , 2021, 21, 101194.	6.1	20
39	A comprehensive analysis of an effective flocculation method for high quality microalgal biomass harvesting. <i>Science of the Total Environment</i> , 2021, 752, 141708.	8.0	32
40	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
41	Enhanced biocatalysis of phenanthrene in aqueous phase by novel CA-Ca-SBE-laccase biocatalyst: Performance and mechanism. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125884.	4.7	5
42	Bio-membrane based integrated systems for nitrogen recovery in wastewater treatment: Current applications and future perspectives. <i>Chemosphere</i> , 2021, 265, 129076.	8.2	24
43	Phosphorus removal from aqueous solution by steel making slag " Mechanisms and performance optimisation. <i>Journal of Cleaner Production</i> , 2021, 284, 124753.	9.3	35
44	Solar driven produced water treatment for beneficial uses. <i>APPEA Journal</i> , 2021, 61, 25.	0.2	0
45	Valorizing agricultural residues as biorefinery feedstocks: current advancements and challenges. , 2021, , 25-48.		0
46	Harvesting <i>Porphyridium purpureum</i> using polyacrylamide polymers and alkaline bases and their impact on biomass quality. <i>Science of the Total Environment</i> , 2021, 755, 142412.	8.0	11
47	Electrospun biosystems made of nylon 6 and laccase and its application in dyes removal. <i>Environmental Technology and Innovation</i> , 2021, 21, 101332.	6.1	18
48	Enhanced Wastewater Treatment by Immobilized Enzymes. <i>Current Pollution Reports</i> , 2021, 7, 167-179.	6.6	51
49	A review on membrane fouling control in anaerobic membrane bioreactors by adding performance enhancers. <i>Journal of Water Process Engineering</i> , 2021, 40, 101867.	5.6	47
50	Proof of concept: Integrated membrane distillation-forward osmosis approaches water production in a low-temperature CO ₂ capture. <i>Environmental Technology and Innovation</i> , 2021, 22, 101508.	6.1	1
51	Biogas sparging to control fouling and enhance resource recovery from anaerobically digested sludge centrate by forward osmosis. <i>Journal of Membrane Science</i> , 2021, 625, 119176.	8.2	21
52	Solid-Embedded Microplastics from Sewage Sludge to Agricultural Soils: Detection, Occurrence, and Impacts. <i>ACS ES&T Water</i> , 2021, 1, 1322-1333.	4.6	20
53	A preliminary assessment of forward osmosis to extract water from rumen fluid for artificial saliva. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 3, 100095.	6.1	2
54	Fouling behavior and performance of a submerged flat-sheet nanofiltration membrane system for direct treatment of secondary wastewater effluent. <i>Journal of Water Process Engineering</i> , 2021, 41, 101991.	5.6	10

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55	Functionalized Materials as a Versatile Platform for Enzyme Immobilization in Wastewater Treatment. <i>Current Pollution Reports</i> , 2021, 7, 263-276.	6.6	13
56	The Individual and Synergistic Indexes for Assessments of Heavy Metal Contamination in Global Rivers and Risk: a Review. <i>Current Pollution Reports</i> , 2021, 7, 247-262.	6.6	12
57	Bacterial dynamics and functions driven by bulking agents to mitigate gaseous emissions in kitchen waste composting. <i>Bioresource Technology</i> , 2021, 332, 125028.	9.6	54
58	A new perspective on small-scale treatment systems for arsenic affected groundwater. <i>Environmental Technology and Innovation</i> , 2021, 23, 101780.	6.1	4
59	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
60	Environmental impacts and greenhouse gas emissions assessment for energy recovery and material recycle of the wastewater treatment plant. <i>Science of the Total Environment</i> , 2021, 784, 147135.	8.0	25
61	Nitrogen removal in subsurface constructed wetland: Assessment of the influence and prediction by data mining and machine learning. <i>Environmental Technology and Innovation</i> , 2021, 23, 101712.	6.1	8
62	Roles and applications of enzymes for resistant pollutants removal in wastewater treatment. <i>Bioresource Technology</i> , 2021, 335, 125278.	9.6	72
63	Reverse osmosis treatment of condensate from ammonium nitrate production: Insights into membrane performance. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106457.	6.7	5
64	Semi-continuous anaerobic digestion of secondary sludge with free ammonia pretreatment: Focusing on volatile solids destruction, dewaterability, pathogen removal and its implications. <i>Water Research</i> , 2021, 202, 117481.	11.3	68
65	Modelling the impact of Alkaline-surfactant and Alkaline-surfactant-polymer flooding processes on scale precipitation and management. <i>Journal of Petroleum Science and Engineering</i> , 2021, 205, 108777.	4.2	8
66	Effect of calcium peroxide pretreatment on the remediation of sulfonamide antibiotics (SMs) by <i>Chlorella sp.</i> . <i>Science of the Total Environment</i> , 2021, 793, 148598.	8.0	10
67	Significance of the presence of antibiotics on the microbial consortium in wastewater – The case of nitrofurantoin and furazolidone. <i>Bioresource Technology</i> , 2021, 339, 125577.	9.6	5
68	Implementation of forward osmosis to concentrate alpha-ketoglutaric acid from fermentation broth: Performance and fouling analysis. <i>Journal of Membrane Science</i> , 2021, 637, 119593.	8.2	5
69	Factors governing microalgae harvesting efficiency by flocculation using cationic polymers. <i>Bioresource Technology</i> , 2021, 340, 125669.	9.6	28
70	UV assisted backwashing for fouling control in membrane bioreactor operation. <i>Journal of Membrane Science</i> , 2021, 639, 119751.	8.2	16
71	The shadow pandemic of single use personal protective equipment plastic waste: A blue print for suppression and eradication. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 4, 100125.	6.1	24
72	Microplastics deteriorate the removal efficiency of antibiotic resistance genes during aerobic sludge digestion. <i>Science of the Total Environment</i> , 2021, 798, 149344.	8.0	34

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73	Promotion of direct interspecies electron transfer and potential impact of conductive materials in anaerobic digestion and its downstream processing - a critical review. <i>Bioresource Technology</i> , 2021, 341, 125847.	9.6	29
74	Bacterial dynamics for gaseous emission and humification in bio-augmented composting of kitchen waste. <i>Science of the Total Environment</i> , 2021, 801, 149640.	8.0	48
75	Regulating bacterial dynamics by lime addition to enhance kitchen waste composting. <i>Bioresource Technology</i> , 2021, 341, 125749.	9.6	42
76	Extraction of strategically important elements from brines: Constraints and opportunities. <i>Water Research</i> , 2020, 168, 115149.	11.3	67
77	Direct preparation of dialysate from tap water via osmotic dilution. <i>Journal of Membrane Science</i> , 2020, 598, 117659.	8.2	8
78	Impacts of typical pharmaceuticals and personal care products on the performance and microbial community of a sponge-based moving bed biofilm reactor. <i>Bioresource Technology</i> , 2020, 295, 122298.	9.6	44
79	The rejection of mono- and di-valent ions from aquatic environment by MWNT/chitosan buckypaper composite membranes: Influences of chitosan concentrations. <i>Separation and Purification Technology</i> , 2020, 234, 116088.	7.9	24
80	Effect of regulating main governing factors on the selectivity membranes of electrodialysis used for LiCl liquid desiccant regeneration. <i>Journal of Building Engineering</i> , 2020, 28, 101022.	3.4	3
81	Removal process of antibiotics during anaerobic treatment of swine wastewater. <i>Bioresource Technology</i> , 2020, 300, 122707.	9.6	79
82	Optimization and organic fouling behavior of zwitterion-modified thin-film composite polyamide membrane for water reclamation: A comprehensive study. <i>Journal of Membrane Science</i> , 2020, 596, 117748.	8.2	56
83	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
84	A sequential membrane bioreactor followed by a membrane microalgal reactor for nutrient removal and algal biomass production. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 189-196.	2.4	24
85	The preparation and characterization of buckypaper made from carbon nanotubes impregnated with chitosan. <i>Polymer Composites</i> , 2020, 41, 1393-1404.	4.6	4
86	A novel red mud adsorbent for phosphorus and diclofenac removal from wastewater. <i>Journal of Molecular Liquids</i> , 2020, 303, 112286.	4.9	44
87	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
88	Simultaneous cooling and provision of make-up water by forward osmosis for post-combustion CO ₂ capture. <i>Desalination</i> , 2020, 476, 114215.	8.2	4
89	Genome sequencing as a new window into the microbial community of membrane bioreactors – A critical review. <i>Science of the Total Environment</i> , 2020, 704, 135279.	8.0	38
90	Nano-filtration membranes prepared from pristine and functionalised multiwall carbon nanotubes/biopolymer composites for water treatment applications. <i>Journal of Materials Research and Technology</i> , 2020, 9, 9080-9092.	5.8	16

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91	Anaerobic membrane bioreactors"An introduction. , 2020, , 1-24.		1
92	Advanced anaerobic membrane bioreactors: Performance enhancers and their hybrid systems. , 2020, , 109-142.		1
93	Green technologies for sustainable water. Bioresource Technology, 2020, 317, 123978.	9.6	5
94	Per- and polyfluoroalkyl substances in soil and sediments: Occurrence, fate, remediation and future outlook. Science of the Total Environment, 2020, 748, 141251.	8.0	75
95	Acetic acid extraction from rumen fluid by forward osmosis. Environmental Technology and Innovation, 2020, 20, 101083.	6.1	8
96	Impacts of sulfadiazine on the performance and membrane fouling of a hybrid moving bed biofilm reactor-membrane bioreactor system at different C/N ratios. Bioresource Technology, 2020, 318, 124180.	9.6	24
97	Contemporary Methods for Removal of Nonsteroidal Anti-inflammatory Drugs in Water Reclamations. Handbook of Environmental Chemistry, 2020, , 217-239.	0.4	1
98	Biotransformation of organic micro-pollutants in biological wastewater. , 2020, , 185-204.		1
99	A hybrid anaerobic and microalgal membrane reactor for energy and microalgal biomass production from wastewater. Environmental Technology and Innovation, 2020, 19, 100834.	6.1	40
100	Membrane distillation regeneration of liquid desiccant solution for air-conditioning: Insights into polarisation effects and mass transfer. Environmental Technology and Innovation, 2020, 19, 100941.	6.1	10
101	Water and nutrient recovery by a novel moving sponge "Anaerobic osmotic membrane bioreactor " Membrane distillation (AnOMBR-MD) closed-loop system. Bioresource Technology, 2020, 312, 123573.	9.6	16
102	Membrane Distillation for Strategic Water Treatment Applications: Opportunities, Challenges, and Current Status. Current Pollution Reports, 2020, 6, 173-187.	6.6	20
103	Micropollutants cometabolism of microalgae for wastewater remediation: Effect of carbon sources to cometabolism and degradation products. Water Research, 2020, 183, 115974.	11.3	70
104	Anaerobic membrane bioreactors for antibiotic wastewater treatment. , 2020, , 219-239.		4
105	Forward osmosis"membrane distillation hybrid system for desalination using mixed trivalent draw solution. Journal of Membrane Science, 2020, 603, 118029.	8.2	28
106	Enhanced high-quality biomethane production from anaerobic digestion of primary sludge by corn stover biochar. Bioresource Technology, 2020, 306, 123159.	9.6	83
107	A Novel Approach in Crude Enzyme Laccase Production and Application in Emerging Contaminant Bioremediation. Processes, 2020, 8, 648.	2.8	17
108	Biomethane production from anaerobic co-digestion and steel-making slag: A new waste-to-resource pathway. Science of the Total Environment, 2020, 738, 139764.	8.0	12

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109	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
110	Sustainable management and treatment technologies for micro-pollutants in wastewater. , 2020, , 1-22.		1
111	Management of Enteric Methanogenesis in Ruminants by Algal-Derived Feed Additives. <i>Current Pollution Reports</i> , 2020, 6, 188-205.	6.6	35
112	Contribution of the construction phase to environmental impacts of the wastewater treatment plant. <i>Science of the Total Environment</i> , 2020, 743, 140658.	8.0	18
113	Energy production in anaerobic membrane bioreactors: Opportunities and challenges. , 2020, , 309-333.		1
114	Synergistic effect of dual flocculation between inorganic salts and chitosan on harvesting microalgae <i>Chlorella vulgaris</i> . <i>Environmental Technology and Innovation</i> , 2020, 17, 100622.	6.1	49
115	Selective carbon sources and salinities enhance enzymes and extracellular polymeric substances extrusion of <i>Chlorella</i> sp. for potential co-metabolism. <i>Bioresource Technology</i> , 2020, 303, 122877.	9.6	28
116	The COVID-19 pandemic: Considerations for the waste and wastewater services sector. <i>Case Studies in Chemical and Environmental Engineering</i> , 2020, 1, 100006.	6.1	187
117	Blue-Green Algae in Surface Water: Problems and Opportunities. <i>Current Pollution Reports</i> , 2020, 6, 105-122.	6.6	33
118	Nutrient recovery from wastewater: From technology to economy. <i>Bioresource Technology Reports</i> , 2020, 11, 100425.	2.7	54
119	A critical review on life cycle assessment and plant-wide models towards emission control strategies for greenhouse gas from wastewater treatment plants. <i>Journal of Environmental Management</i> , 2020, 264, 110440.	7.8	45
120	Aerobic membrane bioreactors and micropollutant removal. , 2020, , 147-162.		0
121	Anaerobic membrane bioreactors for emerging pollutants removal. , 2020, , 197-218.		2
122	Nutrient recovery in anaerobic membrane bioreactors. , 2020, , 283-307.		1
123	Aerobic membrane bioreactors for municipal wastewater treatment. , 2020, , 103-128.		6
124	Derivation of volatile fatty acid from crop residues digestion using a rumen membrane bioreactor: A feasibility study. <i>Bioresource Technology</i> , 2020, 312, 123571.	9.6	26
125	Impacts of hydraulic retention time on a continuous flow mode dual-chamber microbial fuel cell for recovering nutrients from municipal wastewater. <i>Science of the Total Environment</i> , 2020, 734, 139220.	8.0	49
126	Effects of fouling on separation performance by forward osmosis: the role of specific organic foulants. <i>Environmental Science and Pollution Research</i> , 2019, 26, 33758-33769.	5.3	17

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127	Microbial fuel cell for nutrient recovery and electricity generation from municipal wastewater under different ammonium concentrations. <i>Bioresource Technology</i> , 2019, 292, 121992.	9.6	52
128	Membrane Processes for the Regeneration of Liquid Desiccant Solution for Air Conditioning. <i>Current Pollution Reports</i> , 2019, 5, 308-318.	6.6	21
129	Seawater-driven forward osmosis for pre-concentrating nutrients in digested sludge centrate. <i>Journal of Environmental Management</i> , 2019, 247, 135-139.	7.8	23
130	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
131	New insights into the relationship between draw solution chemistry and trace organic rejection by forward osmosis. <i>Journal of Membrane Science</i> , 2019, 587, 117184.	8.2	34
132	Application of a novel molecular technique to characterise the effect of settling on microbial community composition of activated sludge. <i>Journal of Environmental Management</i> , 2019, 251, 109594.	7.8	14
133	Lithium enrichment from a simulated salt lake brine using an integrated nanofiltration-membrane distillation process. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103395.	6.7	50
134	Validation of a cationic polyacrylamide flocculant for the harvesting fresh and seawater microalgal biomass. <i>Environmental Technology and Innovation</i> , 2019, 16, 100466.	6.1	28
135	Pesticides in stormwater runoff – A mini review. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	6.0	48
136	Free ammonia pretreatment improves anaerobic methane generation from algae. <i>Water Research</i> , 2019, 162, 269-275.	11.3	54
137	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
138	Mechanisms of free nitrous acid and freezing co-pretreatment enhancing short-chain fatty acids production from waste activated sludge anaerobic fermentation. <i>Chemosphere</i> , 2019, 230, 536-543.	8.2	23
139	Pilot-scale operation experience of anaerobic Co-digestion for possible full scale implementation. <i>International Biodeterioration and Biodegradation</i> , 2019, 142, 137-142.	3.9	10
140	A novel application of membrane distillation to facilitate nickel recovery from electroplating wastewater. <i>Environmental Science and Pollution Research</i> , 2019, 26, 23407-23415.	5.3	31
141	Membrane distillation crystallization for brine mining and zero liquid discharge: opportunities, challenges, and recent progress. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1202-1221.	2.4	53
142	Organic carbon source-dependent properties of soluble microbial products in sequencing batch reactors and its effects on membrane fouling. <i>Journal of Environmental Management</i> , 2019, 244, 40-47.	7.8	21
143	Scaling mitigation in membrane distillation: From superhydrophobic to slippery. <i>Desalination</i> , 2019, 466, 36-43.	8.2	117
144	Outstanding Reviewers for <i>Environmental Science: Water Research & Technology</i> in 2018. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1036-1036.	2.4	0

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145	Application of rumen and anaerobic sludge microbes for bio harvesting from lignocellulosic biomass. <i>Chemosphere</i> , 2019, 228, 702-708.	8.2	64
146	3D printed spacers for organic fouling mitigation in membrane distillation. <i>Journal of Membrane Science</i> , 2019, 581, 331-343.	8.2	73
147	Selective production of volatile fatty acids at different pH in an anaerobic membrane bioreactor. <i>Bioresource Technology</i> , 2019, 283, 120-128.	9.6	48
148	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
149	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> , 2019, 37, 399-408.	2.0	70
150	Activated carbon preparation from biomass feedstock: Clean production and carbon dioxide adsorption. <i>Journal of Cleaner Production</i> , 2019, 225, 405-413.	9.3	182
151	Applications of Membrane Bioreactors in Biotechnology Processes. , 2019, , 223-257.		6
152	Impacts of mixing on foaming, methane production, stratification and microbial community in full-scale anaerobic co-digestion process. <i>Bioresource Technology</i> , 2019, 281, 226-233.	9.6	21
153	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
154	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
155	Do Microplastics Affect Biological Wastewater Treatment Performance? Implications from Bacterial Activity Experiments. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 20097-20101.	6.7	51
156	From the Laboratory to Full-Scale Applications of Forward Osmosis: Research Challenges and Opportunities. <i>Current Pollution Reports</i> , 2019, 5, 337-352.	6.6	10
157	Occurrence and bioconcentration of micropollutants in Silver Perch (<i>Bidyanus bidyanus</i>) in a reclaimed water reservoir. <i>Science of the Total Environment</i> , 2019, 650, 585-593.	8.0	22
158	Transport of <i>N</i> -Nitrosamines through a Reverse Osmosis Membrane: Role of Molecular Size and Nitrogen Atoms. <i>Environmental Science and Technology Letters</i> , 2019, 6, 44-48.	8.7	22
159	Integrity of reverse osmosis membrane for removing bacteria: new insight into bacterial passage. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 239-245.	2.4	11
160	Cometabolic biotransformation and impacts of the anti-inflammatory drug diclofenac on activated sludge microbial communities. <i>Science of the Total Environment</i> , 2019, 657, 739-745.	8.0	43
161	Microbial Community in Anaerobic Digestion System: Progression in Microbial Ecology. <i>Energy, Environment, and Sustainability</i> , 2019, , 331-355.	1.0	11
162	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

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163	Effects of operational disturbance and subsequent recovery process on microbial community during a pilot-scale anaerobic co-digestion. <i>International Biodeterioration and Biodegradation</i> , 2019, 138, 70-77.	3.9	16
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