

Fangang Meng

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

130
papers

7,281
citations

41
h-index

84
g-index

134
ext. papers

8,631
ext. citations

8.8
avg. IF

6.35
L-index

#	Paper	IF	Citations
130	Recent advances in membrane bioreactors (MBRs): membrane fouling and membrane material. <i>Water Research</i> , 2009 , 43, 1489-512	12.5	1370
129	Fouling in membrane bioreactors: An updated review. <i>Water Research</i> , 2017 , 114, 151-180	12.5	566
128	A critical review of extracellular polymeric substances (EPSs) in membrane bioreactors: Characteristics, roles in membrane fouling and control strategies. <i>Journal of Membrane Science</i> , 2014 , 460, 110-125	9.6	454
127	Spectroscopic characterization of extracellular polymeric substances from a mixed culture dominated by ammonia-oxidizing bacteria. <i>Water Research</i> , 2015 , 68, 740-9	12.5	211
126	Membrane Bioreactors for Industrial Wastewater Treatment: A Critical Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2012 , 42, 677-740	11.1	207
125	Characterization of cake layer in submerged membrane bioreactor. <i>Environmental Science & Technology</i> , 2007 , 41, 4065-70	10.3	204
124	Identification of activated sludge properties affecting membrane fouling in submerged membrane bioreactors. <i>Separation and Purification Technology</i> , 2006 , 51, 95-103	8.3	197
123	Roles of reactive chlorine species in trimethoprim degradation in the UV/chlorine process: Kinetics and transformation pathways. <i>Water Research</i> , 2016 , 104, 272-282	12.5	192
122	Factors affecting the roles of reactive species in the degradation of micropollutants by the UV/chlorine process. <i>Water Research</i> , 2017 , 126, 351-360	12.5	168
121	A comprehensive study on membrane fouling in submerged membrane bioreactors operated under different aeration intensities. <i>Separation and Purification Technology</i> , 2008 , 59, 91-100	8.3	168
120	Effect of filamentous bacteria on membrane fouling in submerged membrane bioreactor. <i>Journal of Membrane Science</i> , 2006 , 272, 161-168	9.6	164
119	Morphological visualization, componential characterization and microbiological identification of membrane fouling in membrane bioreactors (MBRs). <i>Journal of Membrane Science</i> , 2010 , 361, 1-14	9.6	131
118	Identifying the sources and fate of anthropogenically impacted dissolved organic matter (DOM) in urbanized rivers. <i>Water Research</i> , 2013 , 47, 5027-39	12.5	125
117	Effect of hydraulic retention time on membrane fouling and biomass characteristics in submerged membrane bioreactors. <i>Bioprocess and Biosystems Engineering</i> , 2007 , 30, 359-67	3.7	120
116	Interactions between protein-like and humic-like components in dissolved organic matter revealed by fluorescence quenching. <i>Water Research</i> , 2015 , 68, 404-13	12.5	104
115	Enhanced anammox consortium activity for nitrogen removal: impacts of static magnetic field. <i>Journal of Biotechnology</i> , 2008 , 138, 96-102	3.7	96
114	Fouling mechanisms of deflocculated sludge, normal sludge, and bulking sludge in membrane bioreactor. <i>Journal of Membrane Science</i> , 2007 , 305, 48-56	9.6	93

113	Application of anaerobic ammonium-oxidizing consortium to achieve completely autotrophic ammonium and sulfate removal. <i>Bioresource Technology</i> , 2008 , 99, 6817-25	11	91
112	Characterization of the size-fractionated biomacromolecules: tracking their role and fate in a membrane bioreactor. <i>Water Research</i> , 2011 , 45, 4661-71	12.5	85
111	Roles of quorum sensing in biological wastewater treatment: A critical review. <i>Chemosphere</i> , 2019 , 221, 616-629	8.4	79
110	Effects of fluoroquinolone antibiotics on reactor performance and microbial community structure of a membrane bioreactor. <i>Chemical Engineering Journal</i> , 2015 , 280, 448-458	14.7	70
109	Application of fractal permeation model to investigate membrane fouling in membrane bioreactor. <i>Journal of Membrane Science</i> , 2005 , 262, 107-116	9.6	70
108	Removal of non-point source pollutants from domestic sewage and agricultural runoff by vegetated drainage ditches (VDDs): Design, mechanism, management strategies, and future directions. <i>Science of the Total Environment</i> , 2018 , 639, 742-759	10.2	70
107	Recent Advances in Membrane Bioreactors: Configuration Development, Pollutant Elimination, and Sludge Reduction. <i>Environmental Engineering Science</i> , 2012 , 29, 139-160	2	67
106	Occurrence and fate of PPCPs and correlations with water quality parameters in urban riverine waters of the Pearl River Delta, South China. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 5864-75	5.1	67
105	New insights into membrane fouling in submerged membrane bioreactor based on rheology and hydrodynamics concepts. <i>Journal of Membrane Science</i> , 2007 , 302, 87-94	9.6	64
104	A new insight into membrane fouling mechanism during membrane filtration of bulking and normal sludge suspension. <i>Journal of Membrane Science</i> , 2006 , 285, 159-165	9.6	64
103	Cake layer morphology in microfiltration of activated sludge wastewater based on fractal analysis. <i>Separation and Purification Technology</i> , 2005 , 44, 250-257	8.3	64
102	Comparison of membrane fouling during short-term filtration of aerobic granular sludge and activated sludge. <i>Journal of Environmental Sciences</i> , 2007 , 19, 1281-6	6.4	63
101	Effects of COD/N ratio and DO concentration on simultaneous nitrification and denitrification in an airlift internal circulation membrane bioreactor. <i>Journal of Environmental Sciences</i> , 2008 , 20, 933-9	6.4	60
100	Reactive Nitrogen Species Are Also Involved in the Transformation of Micropollutants by the UV/Monochloramine Process. <i>Environmental Science & Technology</i> , 2019 , 53, 11142-11152	10.3	57
99	Occurrence, source, and fate of dissolved organic matter (DOM) in a pilot-scale membrane bioreactor. <i>Environmental Science & Technology</i> , 2009 , 43, 8821-6	10.3	57
98	Optimisation and performance of NaClO-assisted maintenance cleaning for fouling control in membrane bioreactors. <i>Water Research</i> , 2014 , 53, 1-11	12.5	54
97	Chemically induced alterations in the characteristics of fouling-causing bio-macromolecules - Implications for the chemical cleaning of fouled membranes. <i>Water Research</i> , 2017 , 108, 115-123	12.5	53
96	Biodegradation behavior of natural organic matter (NOM) in a biological aerated filter (BAF) as a pretreatment for ultrafiltration (UF) of river water. <i>Applied Microbiology and Biotechnology</i> , 2011 , 90, 1795-803	5.7	51

95	Fouling mitigation through flocculants and adsorbents addition in membrane bioreactors: Comparing lab and pilot studies. <i>Journal of Membrane Science</i> , 2009 , 345, 21-30	9.6	51
94	Reactor performance and microbial ecology of a nitrification membrane bioreactor. <i>Journal of Membrane Science</i> , 2014 , 462, 139-146	9.6	47
93	Roles of ammonia-oxidizing bacteria in improving metabolism and cometabolism of trace organic chemicals in biological wastewater treatment processes: A review. <i>Science of the Total Environment</i> , 2019 , 659, 419-441	10.2	47
92	Application of seawater to enhance SO ₂ removal from simulated flue gas through hollow fiber membrane contactor. <i>Journal of Membrane Science</i> , 2008 , 312, 6-14	9.6	46
91	Effect of sludge properties on the filtration characteristics of self-forming dynamic membranes (SFDMs) in aerobic bioreactors: Formation time, filtration resistance, and fouling propensity. <i>Journal of Membrane Science</i> , 2013 , 436, 186-194	9.6	45
90	Linking Exoproteome Function and Structure to Anammox Biofilm Development. <i>Environmental Science & Technology</i> , 2019 , 53, 1490-1500	10.3	42
89	Size-dependent microbial diversity of sub-visible particles in a submerged anaerobic membrane bioreactor (SANMBR): Implications for membrane fouling. <i>Water Research</i> , 2019 , 159, 20-29	12.5	40
88	Improving nitrogen removal in an ANAMMOX reactor using a permeable reactive biobarrier. <i>Water Research</i> , 2014 , 58, 82-91	12.5	38
87	High flux and antifouling filtration membrane based on non-woven fabric with chitosan coating for membrane bioreactors. <i>Bioresource Technology</i> , 2010 , 101, 5469-74	11	38
86	Metaproteomic analysis of biocake proteins to understand membrane fouling in a submerged membrane bioreactor. <i>Environmental Science & Technology</i> , 2015 , 49, 1068-77	10.3	37
85	Bacterial assembly in the bio-cake of membrane bioreactors: Stochastic vs. deterministic processes. <i>Water Research</i> , 2019 , 157, 535-545	12.5	36
84	Metagenomics reveals microbial community differences lead to differential nitrate production in anammox reactors with differing nitrogen loading rates. <i>Water Research</i> , 2020 , 169, 115279	12.5	36
83	Changes in nitrogen removal and microbiota of anammox biofilm reactors under tetracycline stress at environmentally and industrially relevant concentrations. <i>Science of the Total Environment</i> , 2019 , 668, 379-388	10.2	35
82	Sunlight-induced changes in chromophores and fluorophores of wastewater-derived organic matter in receiving waters--the role of salinity. <i>Water Research</i> , 2014 , 62, 281-92	12.5	35
81	Using UV-vis absorbance spectral parameters to characterize the fouling propensity of humic substances during ultrafiltration. <i>Water Research</i> , 2015 , 87, 311-9	12.5	33
80	Deciphering the core fouling-causing microbiota in a membrane bioreactor: Low abundance but important roles. <i>Chemosphere</i> , 2018 , 195, 108-118	8.4	32
79	Simultaneous alkali supplementation and fouling mitigation in membrane bioreactors by on-line NaOH backwashing. <i>Journal of Membrane Science</i> , 2014 , 457, 120-127	9.6	32
78	Impacts of diel temperature variations on nitrogen removal and metacommunity of anammox biofilm reactors. <i>Water Research</i> , 2019 , 160, 1-9	12.5	28

77	Combination of self-organizing map and parallel factor analysis to characterize the evolution of fluorescent dissolved organic matter in a full-scale landfill leachate treatment plant. <i>Science of the Total Environment</i> , 2019 , 654, 1187-1195	10.2	28
76	Functional Determinants of Extracellular Polymeric Substances in Membrane Biofouling: Experimental Evidence from Pure-Cultured Sludge Bacteria. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	28
75	Multi-objective optimization integrated with life cycle assessment for rainwater harvesting systems. <i>Journal of Hydrology</i> , 2018 , 558, 659-666	6	27
74	Unveiling the Susceptibility of Functional Groups of Poly(ether sulfone)/Polyvinylpyrrolidone Membranes to NaOCl: A Two-Dimensional Correlation Spectroscopic Study. <i>Environmental Science & Technology</i> , 2017 , 51, 14342-14351	10.3	27
73	Effects of naturally occurring grit on the reactor performance and microbial community structure of membrane bioreactors. <i>Journal of Membrane Science</i> , 2015 , 496, 284-292	9.6	25
72	Interactive effects between tetracycline and nitrosifying sludge microbiota in a nitrification membrane bioreactor. <i>Chemical Engineering Journal</i> , 2018 , 341, 556-564	14.7	25
71	Interactions between algal (AOM) and natural organic matter (NOM): Impacts on their photodegradation in surface waters. <i>Environmental Pollution</i> , 2018 , 242, 1185-1197	9.3	25
70	Selective elimination of chromophoric and fluorescent dissolved organic matter in a full-scale municipal wastewater treatment plant. <i>Journal of Environmental Sciences</i> , 2017 , 57, 150-161	6.4	24
69	Effect of support material pore size on the filtration behavior of dynamic membrane bioreactor. <i>Bioresource Technology</i> , 2018 , 255, 359-363	11	24
68	Aluminum-induced changes in properties and fouling propensity of DOM solutions revealed by UV-vis absorbance spectral parameters. <i>Water Research</i> , 2016 , 93, 153-162	12.5	24
67	Application of activated sludge for odor control in wastewater treatment plants: Approaches, advances and outlooks. <i>Water Research</i> , 2020 , 181, 115915	12.5	22
66	Effect of driving force on the performance of anaerobic osmotic membrane bioreactors: New insight into enhancing water flux of FO membrane via controlling driving force in a two-stage pattern. <i>Journal of Membrane Science</i> , 2019 , 569, 41-47	9.6	22
65	Hierarchical Janus membrane with superior fouling and wetting resistance for efficient water recovery from challenging wastewater via membrane distillation. <i>Journal of Membrane Science</i> , 2021 , 618, 118676	9.6	22
64	New insights into the spatial variability of biofilm communities and potentially negative bacterial groups in hydraulic concrete structures. <i>Water Research</i> , 2017 , 123, 495-504	12.5	20
63	Increased salinity triggers significant changes in the functional proteins of ANAMMOX bacteria within a biofilm community. <i>Chemosphere</i> , 2018 , 207, 655-664	8.4	20
62	Seeking urbanization security and sustainability: Multi-objective optimization of rainwater harvesting systems in China. <i>Journal of Hydrology</i> , 2017 , 550, 42-53	6	19
61	Microbial transformation of biomacromolecules in a membrane bioreactor: implications for membrane fouling investigation. <i>PLoS ONE</i> , 2012 , 7, e42270	3.7	19
60	Searching for a universal fouling indicator for membrane bioreactors. <i>Desalination and Water Treatment</i> , 2010 , 18, 264-269		19

59	Micro-particles: A Neglected but Critical Cause of Different Membrane Fouling between Aerobic and Anaerobic Membrane Bioreactors. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 16680-16690	8.3	19
58	A novel nonwoven hybrid bioreactor (NWHBR) for enhancing simultaneous nitrification and denitrification. <i>Biotechnology and Bioengineering</i> , 2013 , 110, 1903-12	4.9	18
57	The short- and long-term effects of formic acid on rapid nitrification start-up. <i>Environment International</i> , 2020 , 135, 105350	12.9	17
56	An antifouling catechol/chitosan-modified polyvinylidene fluoride membrane for sustainable oil-in-water emulsions separation. <i>Frontiers of Environmental Science and Engineering</i> , 2021 , 15, 1	5.8	17
55	Cure of Filament-Caused MBR Fouling in the Presence of Antibiotics: Taking Ciprofloxacin Exposure As an Example. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 13784-13791	3.9	15
54	Large-sized planktonic bioaggregates possess high biofilm formation potentials: Bacterial succession and assembly in the biofilm metacommunity. <i>Water Research</i> , 2020 , 170, 115307	12.5	15
53	Response of Microbial Community Structures and Functions of Nitrosifying Consortia to Biorefractory Humic Substances. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4744-4754	8.3	15
52	Effects of carbon-to-sulfur (C/S) ratio and nitrate (N) dosage on Denitrifying Sulfur cycle-associated Enhanced Biological Phosphorus Removal (DS-EBPR). <i>Scientific Reports</i> , 2016 , 6, 23221	4.9	14
51	Removal of sulfadiazine and tetracycline in membrane bioreactors: linking pathway to microbial community shift. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 134-143	2.6	14
50	Using UV-vis spectral parameters to characterize the cleaning efficacy and mechanism of sodium hypochlorite (NaOCl) on fouled membranes. <i>Journal of Membrane Science</i> , 2017 , 527, 18-25	9.6	13
49	Role of microorganism growth phase in the accumulation and characteristics of biomacromolecules (BMM) in a membrane bioreactor. <i>RSC Advances</i> , 2012 , 2, 453-460	3.7	13
48	Microbial Transformation of Structural and Functional Makeup of Human-Impacted Riverine Dissolved Organic Matter. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 6212-6218	3.9	12
47	Linking dynamics in morphology, components, and microbial communities of biocakes to fouling evolution: A comparative study of anaerobic and aerobic membrane bioreactors. <i>Chemical Engineering Journal</i> , 2021 , 413, 127483	14.7	12
46	Differential ultraviolet-visible absorbance spectra for characterizing metal ions binding onto extracellular polymeric substances in different mixed microbial cultures. <i>Chemosphere</i> , 2016 , 159, 267-274	8.4	11
45	A novel nearly plug-flow membrane bioreactor for enhanced biological nutrient removal. <i>AIChE Journal</i> , 2013 , 59, 46-54	3.6	11
44	Discrepant roles of a quorum quenching bacterium (<i>Rhodococcus</i> sp. BH4) in growing dual-species biofilms. <i>Science of the Total Environment</i> , 2020 , 713, 136402	10.2	11
43	Deciphering the genesis of anammox granular sludge floating from the perspective of microbial community. <i>Journal of Water Process Engineering</i> , 2020 , 36, 101265	6.7	10
42	Taxonomic and functional variations in the microbial community during the upgrade process of a full-scale landfill leachate treatment plant [From conventional to partial nitrification-denitrification]. <i>Frontiers of Environmental Science and Engineering</i> , 2020 , 14, 1	5.8	10

41	Molecular traits of phenolic moieties in dissolved organic matter: Linkages with membrane fouling development. <i>Environment International</i> , 2019 , 133, 105202	12.9	9
40	Greenhouse gases emissions from duckweed pond system treating polyester resin wastewater containing 1,4-dioxane and heavy metals. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 207, 111253	7	9
39	Metagenomics Response of Anaerobic Ammonium Oxidation (anammox) Bacteria to Bio-Refractory Humic Substances in Wastewater. <i>Water (Switzerland)</i> , 2019 , 11, 365	3	8
38	Roles of Organic Matter-Induced Heterotrophic Bacteria in Nitrification Reactors: Ammonium Removal and Bacterial Interactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 3976-3985	8.3	7
37	Day/night temperature differences (DNTD) trigger changes in nutrient removal and functional bacteria in membrane bioreactors. <i>Science of the Total Environment</i> , 2018 , 636, 1202-1210	10.2	7
36	Photochemical alteration of biogenic particles in wastewater effluents. <i>Science Bulletin</i> , 2014 , 59, 3659-3668		7
35	Monovalent ion-mediated fouling propensity of model proteins during low-pressure membrane filtration. <i>Separation and Purification Technology</i> , 2015 , 152, 200-206	8.3	7
34	The mechanical scouring of bio-carriers improves phosphorus removal and mediates functional microbiomes in membrane bioreactors. <i>Environmental Science: Water Research and Technology</i> , 2018 , 4, 241-252	4.2	7
33	Floc-size effects of the pathogenic bacteria in a membrane bioreactor plant. <i>Environment International</i> , 2019 , 127, 645-652	12.9	6
32	Characteristics and fouling propensity of polysaccharides in the presence of different monovalent ions. <i>AIChE Journal</i> , 2016 , 62, 2501-2507	3.6	6
31	Two-Dimensional FTIR Spectroscopic Characterization of Functional Groups of NaOCl-Exposed Alginate: Insights into Membrane Refouling after Online Chemical Cleaning.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 593-603	4.1	6
30	Response of anammox metacommunity to varying hydrodynamic wash. <i>Journal of Water Process Engineering</i> , 2020 , 33, 101096	6.7	6
29	Sunlight irradiation triggers changes in the fouling potentials of natural dissolved organic matter. <i>Science of the Total Environment</i> , 2018 , 627, 227-234	10.2	5
28	Denitrification-caused suppression of soluble microbial products (SMP) in MBRs used for biological nitrogen removal. <i>AIChE Journal</i> , 2013 , 59, 3569-3573	3.6	5
27	Biochemical characteristics and membrane fouling behaviors of soluble microbial products during the lifecycle of Escherichia coli. <i>Water Research</i> , 2021 , 192, 116835	12.5	5
26	Roles of nitrite in mediating the composition and metacommunity of multispecies biofilms. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101764	6.7	5
25	A novel pilot-scale IFAS-MBR system with low aeration for municipal wastewater treatment: Linkages between nutrient removal and core functional microbiota. <i>Science of the Total Environment</i> , 2021 , 776, 145858	10.2	5
24	Ecological Linkages between a Biofilm Ecosystem and Reactor Performance: The Specificity of Biofilm Development Phases. <i>Environmental Science & Technology</i> , 2021 , 55, 11948-11960	10.3	5

23	DOM-mediated membrane retention of fluoroquinolone as revealed by fluorescence quenching properties. <i>Scientific Reports</i> , 2017 , 7, 5372	4.9	4
22	Membrane fouling behavior during filtration of sludge supernatant. <i>Environmental Progress</i> , 2007 , 26, 86-93		4
21	Regularized S-Map Reveals Varying Bacterial Interactions. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	4
20	Activated sludge diffusion for efficient simultaneous treatment of municipal wastewater and odor in a membrane bioreactor. <i>Chemical Engineering Journal</i> , 2021 , 415, 128765	14.7	4
19	Deciphering the succession dynamics of dominant and rare genera in biofilm development process. <i>Science of the Total Environment</i> , 2020 , 739, 139961	10.2	3
18	Ultrastable Nanofiltration Membranes Engineered by Polydopamine-Assisted Polyelectrolyte Layer-by-Layer Assembly for Water Reclamation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 ,	8.3	3
17	Development of a Quartz Sand Protocol for Exoproteome Exploration from Anammox Consortia. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 14330-14339	8.3	3
16	Seasonality and Community Separation of Fungi in a Municipal Wastewater Treatment Plant. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	3
15	Overlooked Ecological Roles of Influent Wastewater Microflora in Improving Biological Phosphorus Removal in an Anoxic/Aerobic MBR Process. <i>Environmental Science & Technology</i> , 2021 , 55, 6270-6280	10.3	3
14	Ecological insights into the underlying evolutionary patterns of biofilm formation from biological wastewater treatment systems: Red or Black Queen Hypothesis?. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 1270-1280	4.9	2
13	A unified thermodynamic fouling mechanism based on forward osmosis membrane unique properties: An asymmetric structure and reverse solute diffusion. <i>Science of the Total Environment</i> , 2021 , 152219	10.2	2
12	Cellulose-induced shifts in microbial communities and microbial interactions in an anoxic/aerobic membrane bioreactor. <i>Journal of Water Process Engineering</i> , 2021 , 42, 102106	6.7	2
11	Metabolome responses of <i>Enterococcus faecium</i> to acid shock and nitrite stress. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 3559-3571	4.9	1
10	Core activated sludge communities are influenced little by immigration: Case study of a membrane bioreactor plant. <i>Journal of Environmental Sciences</i> , 2021 , 102, 244-255	6.4	1
9	Liquid-like surface modification for effective anti-scaling membrane distillation with uncompromised flux. <i>Journal of Membrane Science</i> , 2021 , 637, 119673	9.6	1
8	Development of a Flow-through Biofilm Reactor for Anammox Startup and Operation: Nitrogen Removal and Metacommunity. <i>ACS ES&T Water</i> , 2021 , 1, 573-583		1
7	Comparing biotransformation of extracellular polymeric substances (EPS) under aerobic and anoxic conditions: Reactivities, components, and bacterial responses.. <i>Chemosphere</i> , 2022 , 296, 133996	8.4	1
6	Synergistic fouling behaviors and thermodynamic mechanisms of proteins and polysaccharides in forward osmosis: The unique role of reverse solute diffusion. <i>Desalination</i> , 2022 , 536, 115850	10.3	1

5	The counteraction of anammox community to long-term nitrite stress: Crucial roles of rare subcommunity.. <i>Science of the Total Environment</i> , 2022 , 822, 153062	10.2	○
4	Carbon sources driven supernatant micro-particles differentiate in submerged anaerobic membrane bioreactors (AnMBRs). <i>Chemical Engineering Journal</i> , 2022 , 430, 133020	14.7	○
3	Efficient treatment of digested piggery wastewater via an improved anoxic/aerobic process with <i>Myriophyllum spicatum</i> and bionic aquatic weed. <i>Bioresource Technology</i> , 2021 , 341, 125825	11	○
2	Interactive Effects between the Bio-Reactivity Continuum and the Ecological Role of Soluble Microbial Products during Biotransformation. <i>ACS ES&T Water</i> , 2022 , 2, 883-894		○
1	Achieving simultaneous nitrification, denitrification, and phosphorus removal in pilot-scale flow-through biofilm reactor with low dissolved oxygen concentrations: Performance and mechanisms. <i>Bioresource Technology</i> , 2022 , 358, 127373	11	○