

Fangang Meng

List of Publications by Year in descending order

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133
papers

9,825
citations

44042

48
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37183

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all docs

134
docs citations

134
times ranked

6611
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon sources driven supernatant micro-particles differentiate in submerged anaerobic membrane bioreactors (AnMBRs). <i>Chemical Engineering Journal</i> , 2022, 430, 133020.	6.6	10
2	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> , 2022, 808, 152219.	3.9	8
3	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.	3.9	8
4	Comparing biotransformation of extracellular polymeric substances (EPS) under aerobic and anoxic conditions: Reactivities, components, and bacterial responses. <i>Chemosphere</i> , 2022, 296, 133996.	4.2	10
5	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.	2.3	5
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.	4.0	9
7	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.	4.8	9
8	Effect of sodium and potassium on polysaccharide fouling on PVDF and graphene oxide modified PVDF membrane surfaces. <i>Chemical Engineering Research and Design</i> , 2022, 165, 387-395.	2.7	1
9	Roles of nitrite in mediating the composition and metacommunity of multispecies biofilms. <i>Journal of Water Process Engineering</i> , 2021, 40, 101764.	2.6	12
10	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.	4.1	50
11	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.	2.9	22
12	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.	3.2	14
13	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.	6.6	33
14	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.	3.3	48
15	Biochemical characteristics and membrane fouling behaviors of soluble microbial products during the lifecycle of <i>Escherichia coli</i> . <i>Water Research</i> , 2021, 192, 116835.	5.3	16
16	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.	4.6	30
17	Activated sludge diffusion for efficient simultaneous treatment of municipal wastewater and odor in a membrane bioreactor. <i>Chemical Engineering Journal</i> , 2021, 415, 128765.	6.6	7
18	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.	3.9	18

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19	Ecological Linkages between a Biofilm Ecosystem and Reactor Performance: The Specificity of Biofilm Development Phases. <i>Environmental Science & Technology</i> , 2021, 55, 11948-11960.	4.6	41
20	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.	2.6	9
21	Liquid-like surface modification for effective anti-scaling membrane distillation with uncompromised flux. <i>Journal of Membrane Science</i> , 2021, 637, 119673.	4.1	16
22	Efficient treatment of digested piggery wastewater via an improved anoxic/aerobic process with <i>Miriophyllum spicatum</i> and bionic aquatic weed. <i>Bioresource Technology</i> , 2021, 341, 125825.	4.8	4
23	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.	2.3	6
24	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.	3.9	18
25	Large-sized planktonic bioaggregates possess high biofilm formation potentials: Bacterial succession and assembly in the biofilm metacommunity. <i>Water Research</i> , 2020, 170, 115307.	5.3	31
26	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.	5.3	62
27	Response of anammox metacommunity to varying hydrodynamic wash. <i>Journal of Water Process Engineering</i> , 2020, 33, 101096.	2.6	11
28	The short- and long-term effects of formic acid on rapid nitrification start-up. <i>Environment International</i> , 2020, 135, 105350.	4.8	39
29	Development of a Quartz Sand Protocol for Exoproteome Exploration from Anammox Consortia. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14330-14339.	3.2	5
30	Metabolome responses of <i>Enterococcus faecium</i> to acid shock and nitrite stress. <i>Biotechnology and Bioengineering</i> , 2020, 117, 3559-3571.	1.7	7
31	Seasonality and Community Separation of Fungi in a Municipal Wastewater Treatment Plant. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	11
32	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.	3.2	35
33	Regularized S-Map Reveals Varying Bacterial Interactions. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	8
34	Deciphering the genesis of anammox granular sludge floating from the perspective of microbial community. <i>Journal of Water Process Engineering</i> , 2020, 36, 101265.	2.6	18
35	Application of activated sludge for odor control in wastewater treatment plants: Approaches, advances and outlooks. <i>Water Research</i> , 2020, 181, 115915.	5.3	50
36	Deciphering the succession dynamics of dominant and rare genera in biofilm development process. <i>Science of the Total Environment</i> , 2020, 739, 139961.	3.9	11

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37	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.	3.3	18
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.	3.2	17
39	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.	1.7	4
40	Aggregate size-dependence of bacterial community separation in a full-scale membrane bioreactor plant. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	2
41	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.	4.6	127
42	Molecular traits of phenolic moieties in dissolved organic matter: Linkages with membrane fouling development. <i>Environment International</i> , 2019, 133, 105202.	4.8	14
43	Impacts of diel temperature variations on nitrogen removal and metacommunity of anammox biofilm reactors. <i>Water Research</i> , 2019, 160, 1-9.	5.3	42
44	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.	5.3	58
45	Metagenomics Response of Anaerobic Ammonium Oxidation (anammox) Bacteria to Bio-Refractory Humic Substances in Wastewater. <i>Water (Switzerland)</i> , 2019, 11, 365.	1.2	18
46	Floc-size effects of the pathogenic bacteria in a membrane bioreactor plant. <i>Environment International</i> , 2019, 127, 645-652.	4.8	10
47	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.	3.9	54
48	Bacterial assembly in the bio-cake of membrane bioreactors: Stochastic vs. deterministic processes. <i>Water Research</i> , 2019, 157, 535-545.	5.3	74
49	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.	3.9	37
50	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.	3.2	33
51	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.	3.9	93
52	Linking Exoproteome Function and Structure to Anammox Biofilm Development. <i>Environmental Science & Technology</i> , 2019, 53, 1490-1500.	4.6	77
53	Roles of quorum sensing in biological wastewater treatment: A critical review. <i>Chemosphere</i> , 2019, 221, 616-629.	4.2	128
54	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.	4.1	31

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55	Removal of sulfadiazine and tetracycline in membrane bioreactors: linking pathway to microbial community shift. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 134-143.	1.2	23
56	Interactive effects between tetracycline and nitrosifying sludge microbiota in a nitrification membrane bioreactor. <i>Chemical Engineering Journal</i> , 2018, 341, 556-564.	6.6	34
57	Multi-objective optimization integrated with life cycle assessment for rainwater harvesting systems. <i>Journal of Hydrology</i> , 2018, 558, 659-666.	2.3	33
58	Sunlight irradiation triggers changes in the fouling potentials of natural dissolved organic matter. <i>Science of the Total Environment</i> , 2018, 627, 227-234.	3.9	7
59	Effect of support material pore size on the filtration behavior of dynamic membrane bioreactor. <i>Bioresource Technology</i> , 2018, 255, 359-363.	4.8	37
60	Deciphering the core fouling-causing microbiota in a membrane bioreactor: Low abundance but important roles. <i>Chemosphere</i> , 2018, 195, 108-118.	4.2	54
61	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.	1.2	12
62	Increased salinity triggers significant changes in the functional proteins of ANAMMOX bacteria within a biofilm community. <i>Chemosphere</i> , 2018, 207, 655-664.	4.2	33
63	Functional Determinants of Extracellular Polymeric Substances in Membrane Biofouling: Experimental Evidence from Pure-Cultured Sludge Bacteria. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	46
64	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.	3.9	128
65	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.	2.3	11
66	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.	3.9	11
67	Interactions between algal (AOM) and natural organic matter (NOM): Impacts on their photodegradation in surface waters. <i>Environmental Pollution</i> , 2018, 242, 1185-1197.	3.7	41
68	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.	4.1	14
69	Fouling in membrane bioreactors: An updated review. <i>Water Research</i> , 2017, 114, 151-180.	5.3	773
70	Seeking urbanization security and sustainability: Multi-objective optimization of rainwater harvesting systems in China. <i>Journal of Hydrology</i> , 2017, 550, 42-53.	2.3	29
71	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.	3.2	27
72	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.	5.3	263

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73	DOM-mediated membrane retention of fluoroquinolone as revealed by fluorescence quenching properties. <i>Scientific Reports</i> , 2017, 7, 5372.	1.6	5
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.	4.6	50
75	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.	5.3	33
76	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.	5.3	77
77	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.	1.6	14
78	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.	5.3	267
79	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.	4.2	20
80	Characteristics and fouling propensity of polysaccharides in the presence of different monovalent ions. <i>AIChE Journal</i> , 2016, 62, 2501-2507.	1.8	7
81	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.	5.3	29
82	Monovalent ion-mediated fouling propensity of model proteins during low-pressure membrane filtration. <i>Separation and Purification Technology</i> , 2015, 152, 200-206.	3.9	11
83	Metaproteomic Analysis of Biocake Proteins To Understand Membrane Fouling in a Submerged Membrane Bioreactor. <i>Environmental Science & Technology</i> , 2015, 49, 1068-1077.	4.6	57
84	Using UV–vis absorbance spectral parameters to characterize the fouling propensity of humic substances during ultrafiltration. <i>Water Research</i> , 2015, 87, 311-319.	5.3	42
85	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.	4.1	32
86	Effects of fluoroquinolone antibiotics on reactor performance and microbial community structure of a membrane bioreactor. <i>Chemical Engineering Journal</i> , 2015, 280, 448-458.	6.6	88
87	Spectroscopic characterization of extracellular polymeric substances from a mixed culture dominated by ammonia-oxidizing bacteria. <i>Water Research</i> , 2015, 68, 740-749.	5.3	357
88	Interactions between protein-like and humic-like components in dissolved organic matter revealed by fluorescence quenching. <i>Water Research</i> , 2015, 68, 404-413.	5.3	148
89	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.	4.1	583
90	Improving nitrogen removal in an ANAMMOX reactor using a permeable reactive biobarrier. <i>Water Research</i> , 2014, 58, 82-91.	5.3	46

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91	Reactor performance and microbial ecology of a nitrification membrane bioreactor. <i>Journal of Membrane Science</i> , 2014, 462, 139-146.	4.1	51
92	Photochemical alteration of biogenic particles in wastewater effluents. <i>Science Bulletin</i> , 2014, 59, 3659-3668.	1.7	8
93	Simultaneous alkali supplementation and fouling mitigation in membrane bioreactors by on-line NaOH backwashing. <i>Journal of Membrane Science</i> , 2014, 457, 120-127.	4.1	34
94	Optimisation and performance of NaClO-assisted maintenance cleaning for fouling control in membrane bioreactors. <i>Water Research</i> , 2014, 53, 1-11.	5.3	65
95	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, 281-292.	5.3	45
96	A novel nearly plug-flow membrane bioreactor for enhanced biological nutrient removal. <i>AIChE Journal</i> , 2013, 59, 46-54.	1.8	16
97	Identifying the sources and fate of anthropogenically impacted dissolved organic matter (DOM) in urbanized rivers. <i>Water Research</i> , 2013, 47, 5027-5039.	5.3	165
98	Denitrification-caused suppression of soluble microbial products (SMP) in MBRs used for biological nitrogen removal. <i>AIChE Journal</i> , 2013, 59, 3569-3573.	1.8	5
99	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.	4.1	54
100	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, 5864-5875.	2.7	87
101	A novel nonwoven hybrid bioreactor (NWHBR) for enhancing simultaneous nitrification and denitrification. <i>Biotechnology and Bioengineering</i> , 2013, 110, 1903-1912.	1.7	22
102	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.	1.7	14
103	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.	1.8	17
104	Microbial Transformation of Structural and Functional Makeup of Human-Impacted Riverine Dissolved Organic Matter. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 6212-6218.	1.8	16
105	Recent Advances in Membrane Bioreactors: Configuration Development, Pollutant Elimination, and Sludge Reduction. <i>Environmental Engineering Science</i> , 2012, 29, 139-160.	0.8	77
106	Membrane Bioreactors for Industrial Wastewater Treatment: A Critical Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2012, 42, 677-740.	6.6	256
107	Microbial Transformation of Biomacromolecules in a Membrane Bioreactor: Implications for Membrane Fouling Investigation. <i>PLoS ONE</i> , 2012, 7, e42270.	1.1	21
108	Characterization of the size-fractionated biomacromolecules: Tracking their role and fate in a membrane bioreactor. <i>Water Research</i> , 2011, 45, 4661-4671.	5.3	98

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109	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, 1795-1803.	1.7	64
110	High flux and antifouling filtration membrane based on non-woven fabric with chitosan coating for membrane bioreactors. <i>Bioresource Technology</i> , 2010, 101, 5469-5474.	4.8	42
111	Morphological visualization, componential characterization and microbiological identification of membrane fouling in membrane bioreactors (MBRs). <i>Journal of Membrane Science</i> , 2010, 361, 1-14.	4.1	149
112	Searching for a universal fouling indicator for membrane bioreactors. <i>Desalination and Water Treatment</i> , 2010, 18, 264-269.	1.0	20
113	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.	4.1	57
114	Occurrence, Source, and Fate of Dissolved Organic Matter (DOM) in a Pilot-Scale Membrane Bioreactor. <i>Environmental Science & Technology</i> , 2009, 43, 8821-8826.	4.6	66
115	Recent advances in membrane bioreactors (MBRs): Membrane fouling and membrane material. <i>Water Research</i> , 2009, 43, 1489-1512.	5.3	1,577
116	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.	4.1	51
117	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.	3.9	191
118	Enhanced anammox consortium activity for nitrogen removal: Impacts of static magnetic field. <i>Journal of Biotechnology</i> , 2008, 138, 96-102.	1.9	124
119	Application of anaerobic ammonium-oxidizing consortium to achieve completely autotrophic ammonium and sulfate removal. <i>Bioresource Technology</i> , 2008, 99, 6817-6825.	4.8	117
120	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, 933-939.	3.2	69
121	Characterization of Cake Layer in Submerged Membrane Bioreactor. <i>Environmental Science & Technology</i> , 2007, 41, 4065-4070.	4.6	230
122	Membrane fouling behavior during filtration of sludge supernatant. <i>Environmental Progress</i> , 2007, 26, 86-93.	0.8	5
123	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.	4.1	73
124	Fouling mechanisms of deflocculated sludge, normal sludge, and bulking sludge in membrane bioreactor. <i>Journal of Membrane Science</i> , 2007, 305, 48-56.	4.1	108
125	Comparison of membrane fouling during short-term filtration of aerobic granular sludge and activated sludge. <i>Journal of Environmental Sciences</i> , 2007, 19, 1281-1286.	3.2	81
126	Effect of hydraulic retention time on membrane fouling and biomass characteristics in submerged membrane bioreactors. <i>Bioprocess and Biosystems Engineering</i> , 2007, 30, 359-367.	1.7	138

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127	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.	4.1	72
128	Effect of filamentous bacteria on membrane fouling in submerged membrane bioreactor. <i>Journal of Membrane Science</i> , 2006, 272, 161-168.	4.1	193
129	Identification of activated sludge properties affecting membrane fouling in submerged membrane bioreactors. <i>Separation and Purification Technology</i> , 2006, 51, 95-103.	3.9	218
130	Application of fractal permeation model to investigate membrane fouling in membrane bioreactor. <i>Journal of Membrane Science</i> , 2005, 262, 107-116.	4.1	76
131	Cake layer morphology in microfiltration of activated sludge wastewater based on fractal analysis. <i>Separation and Purification Technology</i> , 2005, 44, 250-257.	3.9	74
132	Ultrastable Nanofiltration Membranes Engineered by Polydopamine-Assisted Polyelectrolyte Layer-by-Layer Assembly for Water Reclamation. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	3.2	6
133	Time-lagged interspecies interactions prevail during biofilm development in moving bed biofilm reactor. <i>Biotechnology and Bioengineering</i> , 0, , .	1.7	0