

How Y Ng

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172
papers

7,042
citations

50
h-index

77
g-index

183
ext. papers

8,308
ext. citations

8.4
avg, IF

6.67
L-index

#	Paper	IF	Citations
172	Submerged anaerobic membrane bioreactor for low-strength wastewater treatment: effect of HRT and SRT on treatment performance and membrane fouling. <i>Water Research</i> , 2011 , 45, 705-13	12.5	312
171	Modified models to predict flux behavior in forward osmosis in consideration of external and internal concentration polarizations. <i>Journal of Membrane Science</i> , 2008 , 324, 209-219	9.6	198
170	Fouling of reverse osmosis membrane by protein (BSA): Effects of pH, calcium, magnesium, ionic strength and temperature. <i>Journal of Membrane Science</i> , 2008 , 315, 28-35	9.6	181
169	Influence of colloidal fouling on rejection of trace organic contaminants by reverse osmosis. <i>Journal of Membrane Science</i> , 2004 , 244, 215-226	9.6	181
168	Membrane fouling of submerged membrane bioreactors: impact of mean cell residence time and the contributing factors. <i>Environmental Science & Technology</i> , 2006 , 40, 2706-13	10.3	162
167	Membrane bioreactor operation at short solids retention times: performance and biomass characteristics. <i>Water Research</i> , 2005 , 39, 981-92	12.5	155
166	Effect of increasing anodic NaCl concentration on microbial fuel cell performance. <i>Bioresource Technology</i> , 2012 , 112, 336-40	11	144
165	A novel hybrid forward osmosis - nanofiltration (FO-NF) process for seawater desalination: Draw solution selection and system configuration. <i>Desalination and Water Treatment</i> , 2010 , 13, 356-361		142
164	Effects of solid retention time on the performance of submerged anoxic/oxic membrane bioreactor. <i>Water Science and Technology</i> , 2006 , 53, 7-13	2.2	136
163	Microbial degradation of dyes: An overview. <i>Bioresource Technology</i> , 2020 , 314, 123728	11	126
162	Anaerobic treatment of pharmaceutical wastewater: A critical review. <i>Bioresource Technology</i> , 2017 , 245, 1238-1244	11	125
161	A critical review on advances in the practices and perspectives for the treatment of dye industry wastewater. <i>Bioengineered</i> , 2021 , 12, 70-87	5.7	123
160	Sequential anaerobic-aerobic treatment of pharmaceutical wastewater with high salinity. <i>Bioresource Technology</i> , 2014 , 153, 79-86	11	107
159	Concentration of brine by forward osmosis: Performance and influence of membrane structure. <i>Desalination</i> , 2008 , 224, 143-153	10.3	106
158	Performance of forward (direct) osmosis process: membrane structure and transport phenomenon. <i>Environmental Science & Technology</i> , 2006 , 40, 2408-13	10.3	106
157	Effects of dissolved organic matters (DOMs) on membrane fouling in anaerobic ceramic membrane bioreactors (AnCMBRs) treating domestic wastewater. <i>Water Research</i> , 2015 , 86, 96-107	12.5	104
156	Carbon nanotube supported MnO ₂ catalysts for oxygen reduction reaction and their applications in microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 4728-32	11.8	104

155	Ozone-biological activated carbon as a pretreatment process for reverse osmosis brine treatment and recovery. <i>Water Research</i> , 2009 , 43, 3948-55	12.5	99
154	Forward osmosis organic fouling: Effects of organic loading, calcium and membrane orientation. <i>Desalination</i> , 2013 , 312, 88-98	10.3	98
153	Fabrication of layered silica/polysulfone mixed matrix substrate membrane for enhancing performance of thin-film composite forward osmosis membrane. <i>Journal of Membrane Science</i> , 2015 , 481, 148-163	9.6	98
152	Microbial fuel cells for energy self-sufficient domestic wastewater treatment-a review and discussion from energetic consideration. <i>Applied Microbiology and Biotechnology</i> , 2011 , 89, 259-70	5.7	97
151	Using sediment microbial fuel cells (SMFCs) for bioremediation of polycyclic aromatic hydrocarbons (PAHs). <i>Bioresource Technology</i> , 2015 , 195, 122-30	11	95
150	Effect of shear rate on the response of microbial fuel cell toxicity sensor to Cu(II). <i>Bioresource Technology</i> , 2013 , 136, 707-10	11	91
149	A microbial fuel cell equipped with a biocathode for organic removal and denitrification. <i>Water Science and Technology</i> , 2008 , 58, 881-5	2.2	91
148	Investigation of intertidal wetland sediment as a novel inoculation source for anaerobic saline wastewater treatment. <i>Environmental Science & Technology</i> , 2015 , 49, 6231-9	10.3	82
147	Evaluation of system performance and microbial communities of a bioaugmented anaerobic membrane bioreactor treating pharmaceutical wastewater. <i>Water Research</i> , 2015 , 81, 311-24	12.5	81
146	Fouling control mechanism by suspended biofilm carriers addition in submerged ceramic membrane bioreactors. <i>Journal of Membrane Science</i> , 2013 , 427, 250-258	9.6	80
145	Characterisation of initial fouling in aerobic submerged membrane bioreactors in relation to physico-chemical characteristics under different flux conditions. <i>Water Research</i> , 2010 , 44, 2336-48	12.5	80
144	Review of low-cost point-of-use water treatment systems for developing communities. <i>Npj Clean Water</i> , 2018 , 1,	11.2	78
143	Electricity production enhancement in a constructed wetland-microbial fuel cell system for treating saline wastewater. <i>Bioresource Technology</i> , 2019 , 288, 121462	11	77
142	Comparison of fouling characteristics in different pore-sized submerged ceramic membrane bioreactors. <i>Water Research</i> , 2010 , 44, 5907-18	12.5	74
141	Manganese/polypyrrole/carbon nanotube, a new oxygen reduction catalyst for air-cathode microbial fuel cells. <i>Journal of Power Sources</i> , 2013 , 221, 381-386	8.9	73
140	Determination of charge transfer resistance and capacitance of microbial fuel cell through a transient response analysis of cell voltage. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1629-34	11.8	72
139	Effects of bio-carriers on membrane fouling mitigation in moving bed membrane bioreactor. <i>Journal of Membrane Science</i> , 2016 , 499, 134-142	9.6	71
138	A novel application of anaerobic bio-entrapped membrane reactor for the treatment of chemical synthesis-based pharmaceutical wastewater. <i>Separation and Purification Technology</i> , 2014 , 132, 634-643	8.3	71

137	Influence of mixed liquor recycle ratio and dissolved oxygen on performance of pre-denitrification submerged membrane bioreactors. <i>Water Research</i> , 2008 , 42, 1122-32	12.5	71
136	Antibiofouling Polyvinylidene Fluoride Membrane Modified by Quaternary Ammonium Compound: Direct Contact-Killing versus Induced Indirect Contact-Killing. <i>Environmental Science & Technology</i> , 2016 , 50, 5086-93	10.3	66
135	Brine pre-treatment technologies for zero liquid discharge systems. <i>Desalination</i> , 2018 , 441, 96-111	10.3	65
134	Effect of membrane type and material on performance of a submerged membrane bioreactor. <i>Chemosphere</i> , 2008 , 71, 853-9	8.4	61
133	Revised external and internal concentration polarization models to improve flux prediction in forward osmosis process. <i>Desalination</i> , 2013 , 309, 125-140	10.3	59
132	Comparison in performance of sediment microbial fuel cells according to depth of embedded anode. <i>Bioresource Technology</i> , 2013 , 127, 138-42	11	57
131	Degradation of C.I. Reactive Red 2 (RR2) using ozone-based systems: comparisons of decolorization efficiency and power consumption. <i>Journal of Hazardous Materials</i> , 2008 , 152, 120-7	12.8	56
130	Bioelectrochemical treatment of acid mine drainage dominated with iron. <i>Journal of Hazardous Materials</i> , 2012 , 241-242, 411-7	12.8	54
129	T-RFLP reveals high Proteobacteria diversity in microbial fuel cells enriched with domestic wastewater. <i>Journal of Applied Microbiology</i> , 2010 , 109, 839-50	4.7	54
128	Integrated pretreatment with capacitive deionization for reverse osmosis reject recovery from water reclamation plant. <i>Water Research</i> , 2009 , 43, 4769-77	12.5	54
127	Optimization of a Pt-free cathode suitable for practical applications of microbial fuel cells. <i>Bioresource Technology</i> , 2009 , 100, 4907-10	11	53
126	Electrodialysis reversal for industrial reverse osmosis brine treatment. <i>Separation and Purification Technology</i> , 2019 , 213, 339-347	8.3	53
125	A comparison of membranes and enrichment strategies for microbial fuel cells. <i>Bioresource Technology</i> , 2011 , 102, 6291-4	11	52
124	An innovative of aerobic bio-entrapped salt marsh sediment membrane reactor for the treatment of high-saline pharmaceutical wastewater. <i>Chemical Engineering Journal</i> , 2016 , 295, 317-325	14.7	52
123	Performance of submerged anaerobic membrane bioreactor at different SRTs for domestic wastewater treatment. <i>Journal of Biotechnology</i> , 2013 , 164, 82-90	3.7	50
122	Microbial fuel-cell-based toxicity sensor for fast monitoring of acidic toxicity. <i>Water Science and Technology</i> , 2012 , 65, 1223-8	2.2	50
121	Full-loop operation and cathodic acidification of a microbial fuel cell operated on domestic wastewater. <i>Bioresource Technology</i> , 2011 , 102, 5841-8	11	48
120	Alkali-assisted membrane cleaning for fouling control of anaerobic ceramic membrane bioreactor. <i>Bioresource Technology</i> , 2017 , 240, 25-32	11	46

119	Characterization of membrane fouling in submerged ceramic membrane photobioreactors fed with effluent from membrane bioreactors. <i>Chemical Engineering Journal</i> , 2016 , 290, 91-102	14.7	45
118	Conductive polypyrrole hydrogels and carbon nanotubes composite as an anode for microbial fuel cells. <i>RSC Advances</i> , 2015 , 5, 50968-50974	3.7	45
117	Effects of Sodium Chloride on the Performance of a Sequencing Batch Reactor. <i>Journal of Environmental Engineering, ASCE</i> , 2005 , 131, 1557-1564	2	44
116	Membrane fouling between a membrane bioreactor and a moving bed membrane bioreactor: Effects of solids retention time. <i>Chemical Engineering Journal</i> , 2017 , 309, 397-408	14.7	42
115	Membrane fouling in a submerged membrane bioreactor using track-etched and phase-inversed porous membranes. <i>Separation and Purification Technology</i> , 2009 , 65, 184-192	8.3	42
114	Biological sulfamethoxazole degradation along with anaerobically digested centrate treatment by immobilized microalgal-bacterial consortium: Performance, mechanism and shifts in bacterial and microalgal communities. <i>Chemical Engineering Journal</i> , 2020 , 388, 124217	14.7	41
113	Pyrosequencing reveals microbial community profile in anaerobic bio-entrapped membrane reactor for pharmaceutical wastewater treatment. <i>Bioresource Technology</i> , 2016 , 200, 1076-9	11	41
112	Optimization of a baffled-reactor microbial fuel cell using autotrophic denitrifying bio-cathode for removing nitrogen and recovering electrical energy. <i>Biochemical Engineering Journal</i> , 2017 , 120, 93-102	4.2	40
111	Feasibility of submerged anaerobic membrane bioreactor (SAMBR) for treatment of low-strength wastewater. <i>Water Science and Technology</i> , 2008 , 58, 1925-31	2.2	40
110	Different types of carbon nanotube-based anodes to improve microbial fuel cell performance. <i>Water Science and Technology</i> , 2014 , 69, 1900-10	2.2	38
109	Removal of nitrate and phosphate by chitosan composited beads derived from crude oil refinery waste: Sorption and cost-benefit analysis. <i>Journal of Cleaner Production</i> , 2019 , 207, 846-856	10.3	38
108	Double-blade casting technique for optimizing substrate membrane in thin-film composite forward osmosis membrane fabrication. <i>Journal of Membrane Science</i> , 2014 , 469, 112-126	9.6	37
107	Floating-type microbial fuel cell (FT-MFC) for treating organic-contaminated water. <i>Environmental Science & Technology</i> , 2009 , 43, 1642-7	10.3	37
106	In situ grown carbon nanotubes on carbon paper as integrated gas diffusion and catalyst layer for proton exchange membrane fuel cells. <i>Electrochimica Acta</i> , 2011 , 56, 4327-4334	6.7	36
105	Effect of mean cell residence time on the performance and microbial diversity of pre-denitrification submerged membrane bioreactors. <i>Chemosphere</i> , 2008 , 70, 387-96	8.4	36
104	An insight into cathode options for microbial fuel cells. <i>Water Science and Technology</i> , 2008 , 57, 2031-7	2.2	36
103	Pt/CNT-Based Electrodes with High Electrochemical Activity and Stability for Proton Exchange Membrane Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2010 , 157, B245	3.9	35
102	Specific resistance to filtration of biomass from membrane bioreactor reactor and activated sludge: effects of exocellular polymeric substances and dispersed microorganisms. <i>Water Environment Research</i> , 2005 , 77, 187-92	2.8	35

101	Heterogeneous ZIF-L membranes with improved hydrophilicity and anti-bacterial adhesion for potential application in water treatment.. <i>RSC Advances</i> , 2019 , 9, 1591-1601	3.7	34
100	Pretreatment of saline antibiotic wastewater using marine microalga. <i>Bioresource Technology</i> , 2018 , 258, 240-246	11	33
99	Fabrication of mesh-embedded double-skinned substrate membrane and enhancement of its surface hydrophilicity to improve anti-fouling performance of resultant thin-film composite forward osmosis membrane. <i>Journal of Membrane Science</i> , 2016 , 511, 40-53	9.6	33
98	Bio-entrapped membrane reactor and salt marsh sediment membrane bioreactor for the treatment of pharmaceutical wastewater: treatment performance and microbial communities. <i>Bioresource Technology</i> , 2014 , 171, 265-73	11	31
97	Cobalt and nitrogen-doped carbon catalysts for enhanced oxygen reduction and power production in microbial fuel cells. <i>Electrochimica Acta</i> , 2017 , 247, 193-199	6.7	31
96	Biological treatment of pharmaceutical wastewater from the antibiotics industry. <i>Water Science and Technology</i> , 2014 , 69, 855-61	2.2	30
95	Optimization of a microbial fuel cell for wastewater treatment using recycled scrap metals as a cost-effective cathode material. <i>Bioresource Technology</i> , 2013 , 127, 158-64	11	30
94	Treatment of RO brine-towards sustainable water reclamation practice. <i>Water Science and Technology</i> , 2008 , 58, 931-6	2.2	30
93	Impacts of different draw solutions on a novel anaerobic forward osmosis membrane bioreactor (AnFOMBR). <i>Water Science and Technology</i> , 2014 , 69, 2036-42	2.2	29
92	Multi-walled carbon nanotubes as electrode material for microbial fuel cells. <i>Water Science and Technology</i> , 2012 , 65, 1208-14	2.2	29
91	Chemical-grafting of graphene oxide quantum dots (GOQDs) onto ceramic microfiltration membranes for enhanced water permeability and anti-organic fouling potential. <i>Applied Surface Science</i> , 2020 , 502, 144128	6.7	29
90	Metal-Organic Frameworks (MOFs)-boosted filtration membrane technology for water sustainability. <i>APL Materials</i> , 2020 , 8, 040902	5.7	28
89	Effect of quorum quenching on EPS and size-fractioned particles and organics in anaerobic membrane bioreactor for domestic wastewater treatment. <i>Water Research</i> , 2020 , 179, 115850	12.5	27
88	Membrane fouling mitigation by NaClO-assisted backwash in anaerobic ceramic membrane bioreactors for the treatment of domestic wastewater. <i>Bioresource Technology</i> , 2018 , 268, 622-632	11	27
87	Photodegradation of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans: direct photolysis and photocatalysis processes. <i>Journal of Hazardous Materials</i> , 2008 , 151, 507-14	12.8	27
86	3D-printed surface-patterned ceramic membrane with enhanced performance in crossflow filtration. <i>Journal of Membrane Science</i> , 2020 , 606, 118138	9.6	26
85	Development and Long-Term Stability of a Novel Microbial Fuel Cell BOD Sensor with MnO ₂ Catalyst. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	26
84	Effect of ferric hydroxide on membrane fouling in membrane bioreactor treating pharmaceutical wastewater. <i>Bioresource Technology</i> , 2019 , 292, 121852	11	26

83	Feasibility of isolated novel facultative quorum quenching consortiums for fouling control in an AnMBR. <i>Water Research</i> , 2020 , 169, 115251	12.5	26
82	Bio-based rhamnolipids production and recovery from waste streams: Status and perspectives. <i>Bioresource Technology</i> , 2021 , 319, 124213	11	26
81	A sandwiched denitrifying biocathode in a microbial fuel cell for electricity generation and waste minimization. <i>International Journal of Environmental Science and Technology</i> , 2016 , 13, 1055-1064	3.3	25
80	Aerobic granular sludge systems for treating hypersaline pharmaceutical wastewater: Start-up, long-term performances and metabolic function. <i>Journal of Hazardous Materials</i> , 2021 , 412, 125229	12.8	25
79	Spontaneous modification of graphite anode by anthraquinone-2-sulfonic acid for microbial fuel cells. <i>Bioresource Technology</i> , 2014 , 164, 184-8	11	24
78	Effect of gradient profile in ceramic membranes on filtration characteristics: Implications for membrane development. <i>Journal of Membrane Science</i> , 2020 , 595, 117576	9.6	23
77	Applicability of upflow anaerobic sludge blanket and dynamic membrane-coupled process for the treatment of municipal wastewater. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 6531-6540	5.7	22
76	Fate and role of fluorescence moieties in extracellular polymeric substances during biological wastewater treatment: A review. <i>Science of the Total Environment</i> , 2020 , 718, 137291	10.2	22
75	Interfacial diffusion assisted chemical deposition (ID-CD) for confined surface modification of alumina microfiltration membranes toward high-flux and anti-fouling. <i>Separation and Purification Technology</i> , 2020 , 235, 116177	8.3	22
74	Performance improvement for thin-film composite nanofiltration membranes prepared on PSf/PSf-g-PEG blended substrates. <i>Separation and Purification Technology</i> , 2020 , 230, 115855	8.3	22
73	Enhancing the robustness of microbial fuel cell sensor for continuous copper(II) detection against organic strength fluctuations by acetate and glucose addition. <i>Bioresource Technology</i> , 2018 , 259, 357-364	11	21
72	RO brine treatment and recovery by biological activated carbon and capacitive deionization process. <i>Water Science and Technology</i> , 2011 , 64, 77-82	2.2	20
71	Microbial community succession and its correlation with reactor performance in a sponge membrane bioreactor coupled with fiber-bundle anoxic bio-filter for treating saline mariculture wastewater. <i>Bioresource Technology</i> , 2020 , 295, 122284	11	20
70	Treatment of industrial brine using capacitive deionization (CDI) towards zero liquid discharge - challenges and optimization. <i>Water Research</i> , 2020 , 183, 116059	12.5	19
69	Hydrogenated TiO ₂ membrane with photocatalytically enhanced anti-fouling for ultrafiltration of surface water. <i>Applied Catalysis B: Environmental</i> , 2020 , 264, 118528	21.8	19
68	Anthraquinone-2-sulfonate immobilized to conductive polypyrrole hydrogel as a bioanode to enhance power production in microbial fuel cell. <i>Bioresource Technology</i> , 2017 , 244, 452-455	11	18
67	Production of biosurfactants from agro-industrial waste and waste cooking oil in a circular bioeconomy: An overview. <i>Bioresource Technology</i> , 2022 , 343, 126059	11	18
66	A review on integrated approaches for municipal solid waste for environmental and economical relevance: Monitoring tools, technologies, and strategic innovations. <i>Bioresource Technology</i> , 2021 , 342, 125982	11	18

65	Performance and process simulation of membrane bioreactor (MBR) treating petrochemical wastewater. <i>Science of the Total Environment</i> , 2020 , 747, 141311	10.2	17
64	Polyaniline and iron based catalysts as air cathodes for enhanced oxygen reduction in microbial fuel cells. <i>RSC Advances</i> , 2015 , 5, 79348-79354	3.7	16
63	Intertidal wetland sediment as a novel inoculation source for developing aerobic granular sludge in membrane bioreactor treating high-salinity antibiotic manufacturing wastewater. <i>Bioresource Technology</i> , 2020 , 314, 123715	11	16
62	Evaluation of a long-term operation of a submerged nanofiltration membrane bioreactor (NF MBR) for advanced wastewater treatment. <i>Water Science and Technology</i> , 2006 , 53, 131-6	2.2	15
61	Analysis of N-Acy-L-homoserine lactones (AHLs) in wastewater treatment systems using SPE-LLE with LC-MS/MS. <i>Water Research</i> , 2020 , 177, 115756	12.5	15
60	Novel 16-inch spiral-wound RO systems for water reclamation is a quantum leap in water reclamation technology. <i>Desalination</i> , 2008 , 225, 274-287	10.3	14
59	RO membrane solute rejection behavior at the initial stage of colloidal fouling. <i>Desalination</i> , 2005 , 174, 211-217	10.3	14
58	Mechanism behind the surface evolution and microstructure changes of laser fabricated nanostructured carbon composite. <i>Journal of Applied Physics</i> , 2011 , 110, 054904	2.5	12
57	Determination of effects of turbulence flow in a cathode environment on electricity generation using a tidal mud-based cylindrical-type sediment microbial fuel cell. <i>Journal of Environmental Management</i> , 2010 , 91, 2478-82	7.9	12
56	Denitrification kinetics indicates nitrous oxide uptake is unaffected by electron competition in <i>Accumulibacter</i> . <i>Water Research</i> , 2021 , 189, 116557	12.5	12
55	Developing better ceramic membranes for water and wastewater Treatment: Where microstructure integrates with chemistry and functionalities. <i>Chemical Engineering Journal</i> , 2022 , 428, 130456	14.7	12
54	Diversity evolution of functional bacteria and resistance genes (<i>CzcA</i>) in aerobic activated sludge under Cd(II) stress. <i>Journal of Environmental Management</i> , 2019 , 250, 109519	7.9	11
53	Properties of laser fabricated nanostructured Cu/diamond-like carbon composite. <i>Journal of Materials Research</i> , 2011 , 26, 2761-2771	2.5	11
52	An experimental study on the effect of spacer on concentration polarization in a long channel reverse osmosis membrane cell. <i>Water Science and Technology</i> , 2010 , 61, 2035-41	2.2	11
51	Surface engineered alumina microfiltration membranes based on rationally constructed core-shell particles. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 5951-5958	6	10
50	A high-performance electrocatalytic air cathode derived from aniline and iron for use in microbial fuel cells. <i>RSC Advances</i> , 2014 , 4, 12789-12794	3.7	10
49	Electrical performance of low cost cathodes prepared by plasma sputtering deposition in microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2012 , 31, 164-9	11.8	10
48	Proapoptotic effect of a micropollutant (tris-(2-chloroethyl)-phosphate) at environmental level in primary cultured renal proximal tubule cells. <i>Journal of Water and Health</i> , 2012 , 10, 522-30	2.2	10

47	Spatial variation of fouling behavior in high recovery nanofiltration for industrial reverse osmosis brine treatment towards zero liquid discharge. <i>Journal of Membrane Science</i> , 2020 , 609, 118185	9.6	10
46	Nanowires versus nanosheets [Effects of NiCo ₂ O ₄ nanostructures on ceramic membrane permeability and fouling potential. <i>Separation and Purification Technology</i> , 2019 , 215, 644-651	8.3	9
45	Treatment of domestic wastewater with an anaerobic ceramic membrane bioreactor (AnCMBR). <i>Water Science and Technology</i> , 2015 , 72, 2301-7	2.2	9
44	Simultaneous ammonium-nitrogen and copper removal, and copper recovery using nitrifying biofilm from the ultra-compact biofilm reactor. <i>Bioresource Technology</i> , 2008 , 99, 6614-20	11	9
43	Performance and fouling characteristics of different pore-sized submerged ceramic membrane bioreactors (SCMBR). <i>Water Science and Technology</i> , 2009 , 59, 2213-8	2.2	8
42	Comparison between novel vibrating ceramic MBR and conventional air-sparging MBR for domestic wastewater treatment: Performance, fouling control and energy consumption. <i>Water Research</i> , 2021 , 203, 117521	12.5	8
41	Forward (Direct) Osmosis: A Novel and Prospective Process for Brine Control. <i>Proceedings of the Water Environment Federation</i> , 2006 , 2006, 4345-4352		7
40	Highly permeable Al ₂ O ₃ microfiltration membranes with holey interior structure achieved through sacrificial C particles. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 3361-3372	3.8	7
39	Optimization of resource and water recovery from urine. <i>Journal of Water Reuse and Desalination</i> , 2016 , 6, 229-234	2.6	6
38	Suitability of ozone pre-treatment for amoxicillin wastewater. <i>Water Science and Technology</i> , 2013 , 68, 2492-6	2.2	6
37	Evaluation and comparison of the microbial consortia enriched by gamma-caprolactone and N-Acyl homoserine lactones for effective quorum sensing disruption. <i>International Biodeterioration and Biodegradation</i> , 2021 , 159, 105200	4.8	6
36	Effects of coarse and fine bubble aeration on performances of membrane filtration and denitrification in moving bed membrane bioreactors. <i>Science of the Total Environment</i> , 2021 , 772, 145513	10.2	6
35	Ultrathin TiO ₂ microfiltration membranes supported on a holey intermediate layer to raise filtration performance. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 1622-1628	6	6
34	Treatment and hybrid modeling of domestic reverse osmosis concentrate using biological activated carbon. <i>Desalination</i> , 2019 , 468, 114047	10.3	5
33	Biodiesel production by microalgae cultivated using permeate from membrane bioreactors in continuous system. <i>Water Science and Technology</i> , 2014 , 69, 1813-9	2.2	5
32	A phosphorus-free anolyte to enhance coulombic efficiency of microbial fuel cells. <i>Journal of Power Sources</i> , 2014 , 268, 14-18	8.9	5
31	Characterisation of biofilm constituents and their effect on membrane filterability in MBRs. <i>Water Science and Technology</i> , 2008 , 58, 1933-9	2.2	5
30	Alternative immunofluorescent labeling of <i>Cryptosporidium parvum</i> in water samples using semiconductor quantum dots. <i>Water Environment Research</i> , 2008 , 80, 725-31	2.8	5

29	A method to eliminate bromide interference on standard COD test for bromide-rich industrial wastewater. <i>Chemosphere</i> , 2020 , 240, 124804	8.4	5
28	Toxicity study of reclaimed water on human embryonic kidney cells. <i>Chemosphere</i> , 2017 , 189, 390-398	8.4	4
27	Insights into mechanisms, kinetics and pathway of continuous visible-light photodegradation of PPCPs via porous g-C ₃ N ₄ with highly dispersed Fe(III) active sites. <i>Chemical Engineering Journal</i> , 2021 , 423, 130095	14.7	4
26	Effect of formaldehyde on biofilm activity and morphology in an ultracompact biofilm reactor for carbonaceous wastewater treatment. <i>Water Environment Research</i> , 2006 , 78, 372-80	2.8	3
25	Insights on fouling development and characteristics during different fouling stages between a novel vibrating MBR and an air-sparging MBR for domestic wastewater treatment.. <i>Water Research</i> , 2022 , 212, 118098	12.5	3
24	Effect of surface-patterned topographies of ceramic membranes on the filtration of activated sludge and their interaction with different particle sizes. <i>Journal of Membrane Science</i> , 2022 , 645, 120125	9.6	3
23	Quorum quenching affects biofilm development in an anaerobic membrane bioreactor (AnMBR): from macro to micro perspective. <i>Bioresource Technology</i> , 2022 , 344, 126183	11	3
22	Alumina double-layered ultrafiltration membranes with enhanced water flux. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 587, 124324	5.1	3
21	Overcoming the Trade-off between Water Permeation and Mechanical Strength of Ceramic Membrane Supports by Interfacial Engineering. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 29199-29211	9.5	3
20	Preparation of a mesoporous silica quorum quenching medium for wastewater treatment using a membrane bioreactor. <i>Biofouling</i> , 2020 , 36, 369-377	3.3	2
19	Removal of Toxic Component of Wastewater by Anaerobic Processes 2017 , 443-467		2
18	Conception and optimization of a membrane electrode assembly microbial fuel cell (MEA-MFC) for treatment of domestic wastewater. <i>Water Science and Technology</i> , 2011 , 64, 1527-32	2.2	2
17	Physico-chemical characterisation versus in situ micro-structural characterisation of membrane fouling in membrane bioreactors. <i>Water Science and Technology</i> , 2011 , 63, 1781-7	2.2	2
16	Challenges and opportunities for anaerobic membrane bioreactors 2020 , 55-77		1
15	Innovative large-diameter RO system for water reclamation and seawater desalination. <i>Water Science and Technology: Water Supply</i> , 2008 , 8, 93-99	1.4	1
14	Enriched autoinducer-2 (AI-2)-based quorum quenching consortium in a ceramic anaerobic membrane bioreactor (AnMBR) for biofouling retardation.. <i>Water Research</i> , 2022 , 214, 118203	12.5	1
13	Hierarchically porous interlayer for highly permeable and fouling-resistant ceramic membranes in water treatment. <i>Separation and Purification Technology</i> , 2022 , 293, 121092	8.3	1
12	Enhanced dissolved methane recovery and energy-efficient fouling mitigation via membrane vibration in anaerobic membrane bioreactor. <i>Resources, Conservation and Recycling</i> , 2022 , 184, 106404	11.9	1

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9	Core carbon fixation pathways associated with cake layer development in an anoxic-oxic biofilm-membrane bioreactor treating textile wastewater.. <i>Science of the Total Environment</i> , 2022 , 155483	10.2	○
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