

How Y Ng

List of Publications by Year in descending order

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178
papers

9,755
citations

24978

57
h-index

45213

90
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183
all docs

183
docs citations

183
times ranked

7822
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical review on advances in the practices and perspectives for the treatment of dye industry wastewater. <i>Bioengineered</i> , 2021, 12, 70-87.	1.4	366
2	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, 705-713.	5.3	360
3	Microbial degradation of dyes: An overview. <i>Bioresource Technology</i> , 2020, 314, 123728.	4.8	306
4	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.	4.1	232
5	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.	4.1	215
6	Influence of colloidal fouling on rejection of trace organic contaminants by reverse osmosis. <i>Journal of Membrane Science</i> , 2004, 244, 215-226.	4.1	197
7	Effect of increasing anodic NaCl concentration on microbial fuel cell performance. <i>Bioresource Technology</i> , 2012, 112, 336-340.	4.8	189
8	Membrane bioreactor operation at short solids retention times: performance and biomass characteristics. <i>Water Research</i> , 2005, 39, 981-992.	5.3	183
9	Anaerobic treatment of pharmaceutical wastewater: A critical review. <i>Bioresource Technology</i> , 2017, 245, 1238-1244.	4.8	179
10	Membrane Fouling of Submerged Membrane Bioreactors: Impact of Mean Cell Residence Time and the Contributing Factors. <i>Environmental Science & Technology</i> , 2006, 40, 2706-2713.	4.6	174
11	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.	1.0	162
12	Effects of solid retention time on the performance of submerged anoxic/oxic membrane bioreactor. <i>Water Science and Technology</i> , 2006, 53, 7-13.	1.2	142
13	Sequential anaerobic-aerobic treatment of pharmaceutical wastewater with high salinity. <i>Bioresource Technology</i> , 2014, 153, 79-86.	4.8	135
14	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.	5.3	132
15	Performance of Forward (Direct) Osmosis Process: Membrane Structure and Transport Phenomenon. <i>Environmental Science & Technology</i> , 2006, 40, 2408-2413.	4.6	126
16	Using sediment microbial fuel cells (SMFCs) for bioremediation of polycyclic aromatic hydrocarbons (PAHs). <i>Bioresource Technology</i> , 2015, 195, 122-130.	4.8	125
17	Concentration of brine by forward osmosis: Performance and influence of membrane structure. <i>Desalination</i> , 2008, 224, 143-153.	4.0	124
18	Investigation of Intertidal Wetland Sediment as a Novel Inoculation Source for Anaerobic Saline Wastewater Treatment. <i>Environmental Science & Technology</i> , 2015, 49, 6231-6239.	4.6	123

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19	Review of low-cost point-of-use water treatment systems for developing communities. <i>Npj Clean Water</i> , 2018, 1, .	3.1	123
20	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.	4.1	121
21	Carbon nanotube supported MnO ₂ catalysts for oxygen reduction reaction and their applications in microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4728-4732.	5.3	118
22	Effect of shear rate on the response of microbial fuel cell toxicity sensor to Cu(II). <i>Bioresource Technology</i> , 2013, 136, 707-710.	4.8	117
23	Ozone-biological activated carbon as a pretreatment process for reverse osmosis brine treatment and recovery. <i>Water Research</i> , 2009, 43, 3948-3955.	5.3	114
24	Forward osmosis organic fouling: Effects of organic loading, calcium and membrane orientation. <i>Desalination</i> , 2013, 312, 88-98.	4.0	114
25	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, 259-270.	1.7	113
26	Electricity production enhancement in a constructed wetland-microbial fuel cell system for treating saline wastewater. <i>Bioresource Technology</i> , 2019, 288, 121462.	4.8	111
27	Brine pre-treatment technologies for zero liquid discharge systems. <i>Desalination</i> , 2018, 441, 96-111.	4.0	108
28	A microbial fuel cell equipped with a biocathode for organic removal and denitrification. <i>Water Science and Technology</i> , 2008, 58, 881-885.	1.2	105
29	Evaluation of system performance and microbial communities of a bioaugmented anaerobic membrane bioreactor treating pharmaceutical wastewater. <i>Water Research</i> , 2015, 81, 311-324.	5.3	99
30	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.	3.9	97
31	Electrodialysis reversal for industrial reverse osmosis brine treatment. <i>Separation and Purification Technology</i> , 2019, 213, 339-347.	3.9	96
32	Comparison of fouling characteristics in different pore-sized submerged ceramic membrane bioreactors. <i>Water Research</i> , 2010, 44, 5907-5918.	5.3	95
33	Fouling control mechanism by suspended biofilm carriers addition in submerged ceramic membrane bioreactors. <i>Journal of Membrane Science</i> , 2013, 427, 250-258.	4.1	95
34	Effects of bio-carriers on membrane fouling mitigation in moving bed membrane bioreactor. <i>Journal of Membrane Science</i> , 2016, 499, 134-142.	4.1	93
35	Antibiofouling Polyvinylidene Fluoride Membrane Modified by Quaternary Ammonium Compound: Direct Contact-Killing versus Induced Indirect Contact-Killing. <i>Environmental Science & Technology</i> , 2016, 50, 5086-5093.	4.6	86
36	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.	4.0	85

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37	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, 1629-1634.	5.3	83
38	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, 2336-2348.	5.3	82
39	Production of biosurfactants from agro-industrial waste and waste cooking oil in a circular bioeconomy: An overview. <i>Bioresource Technology</i> , 2022, 343, 126059.	4.8	82
40	Influence of mixed liquor recycle ratio and dissolved oxygen on performance of pre-denitrification submerged membrane bioreactors. <i>Water Research</i> , 2008, 42, 1122-1132.	5.3	81
41	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.	6.6	79
42	Comparison in performance of sediment microbial fuel cells according to depth of embedded anode. <i>Bioresource Technology</i> , 2013, 127, 138-142.	4.8	75
43	Effect of membrane type and material on performance of a submerged membrane bioreactor. <i>Chemosphere</i> , 2008, 71, 853-859.	4.2	71
44	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.	6.6	71
45	Revised external and internal concentration polarization models to improve flux prediction in forward osmosis process. <i>Desalination</i> , 2013, 309, 125-140.	4.0	70
46	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.	4.8	68
47	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, 120-127.	6.5	66
48	Bioelectrochemical treatment of acid mine drainage dominated with iron. <i>Journal of Hazardous Materials</i> , 2012, 241-242, 411-417.	6.5	65
49	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.	6.5	65
50	Integrated pretreatment with capacitive deionization for reverse osmosis reject recovery from water reclamation plant. <i>Water Research</i> , 2009, 43, 4769-4777.	5.3	64
51	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.	6.6	62
52	A comparison of membranes and enrichment strategies for microbial fuel cells. <i>Bioresource Technology</i> , 2011, 102, 6291-6294.	4.8	61
53	Alkali-assisted membrane cleaning for fouling control of anaerobic ceramic membrane bioreactor. <i>Bioresource Technology</i> , 2017, 240, 25-32.	4.8	61
54	Performance of submerged anaerobic membrane bioreactor at different SRTs for domestic wastewater treatment. <i>Journal of Biotechnology</i> , 2013, 164, 82-90.	1.9	60

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55	Optimization of a Pt-free cathode suitable for practical applications of microbial fuel cells. <i>Bioresource Technology</i> , 2009, 100, 4907-4910.	4.8	59
56	T-RFLP reveals high β -Proteobacteria diversity in microbial fuel cells enriched with domestic wastewater. <i>Journal of Applied Microbiology</i> , 2010, 109, 839-850.	1.4	59
57	Microbial fuel-cell-based toxicity sensor for fast monitoring of acidic toxicity. <i>Water Science and Technology</i> , 2012, 65, 1223-1228.	1.2	58
58	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.	4.6	58
59	Pyrosequencing reveals microbial community profile in anaerobic bio-entrapped membrane reactor for pharmaceutical wastewater treatment. <i>Bioresource Technology</i> , 2016, 200, 1076-1079.	4.8	57
60	Characterization of membrane fouling in submerged ceramic membrane photobioreactors fed with effluent from membrane bioreactors. <i>Chemical Engineering Journal</i> , 2016, 290, 91-102.	6.6	56
61	Metal-Organic Frameworks (MOFs)-boosted filtration membrane technology for water sustainability. <i>APL Materials</i> , 2020, 8, .	2.2	54
62	Effects of Sodium Chloride on the Performance of a Sequencing Batch Reactor. <i>Journal of Environmental Engineering, ASCE</i> , 2005, 131, 1557-1564.	0.7	53
63	3D-printed surface-patterned ceramic membrane with enhanced performance in crossflow filtration. <i>Journal of Membrane Science</i> , 2020, 606, 118138.	4.1	53
64	Bio-based rhamnolipids production and recovery from waste streams: Status and perspectives. <i>Bioresource Technology</i> , 2021, 319, 124213.	4.8	52
65	Full-loop operation and cathodic acidification of a microbial fuel cell operated on domestic wastewater. <i>Bioresource Technology</i> , 2011, 102, 5841-5848.	4.8	51
66	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.	1.7	51
67	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.	3.1	50
68	Effect of quorum quenching on EPS and size-fractionated particles and organics in anaerobic membrane bioreactor for domestic wastewater treatment. <i>Water Research</i> , 2020, 179, 115850.	5.3	50
69	Effect of ferric hydroxide on membrane fouling in membrane bioreactor treating pharmaceutical wastewater. <i>Bioresource Technology</i> , 2019, 292, 121852.	4.8	49
70	Developing better ceramic membranes for water and wastewater Treatment: Where microstructure integrates with chemistry and functionalities. <i>Chemical Engineering Journal</i> , 2022, 428, 130456.	6.6	49
71	Treatment of industrial brine using capacitive deionization (CDI) towards zero liquid discharge – challenges and optimization. <i>Water Research</i> , 2020, 183, 116059.	5.3	48
72	Feasibility of submerged anaerobic membrane bioreactor (SAMBR) for treatment of low-strength wastewater. <i>Water Science and Technology</i> , 2008, 58, 1925-1931.	1.2	47

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73	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.	3.9	47
74	Different types of carbon nanotube-based anodes to improve microbial fuel cell performance. <i>Water Science and Technology</i> , 2014, 69, 1900-1910.	1.2	47
75	Conductive polypyrrole hydrogels and carbon nanotubes composite as an anode for microbial fuel cells. <i>RSC Advances</i> , 2015, 5, 50968-50974.	1.7	47
76	Pretreatment of saline antibiotic wastewater using marine microalga. <i>Bioresource Technology</i> , 2018, 258, 240-246.	4.8	47
77	Biological treatment of pharmaceutical wastewater from the antibiotics industry. <i>Water Science and Technology</i> , 2014, 69, 855-861.	1.2	46
78	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.	1.8	46
79	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.	3.9	45
80	Floating-Type Microbial Fuel Cell (FT-MFC) for Treating Organic-Contaminated Water. <i>Environmental Science & Technology</i> , 2009, 43, 1642-1647.	4.6	44
81	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, 187-192.	1.3	42
82	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.	1.3	42
83	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.	2.6	42
84	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.	4.8	42
85	Effect of gradient profile in ceramic membranes on filtration characteristics: Implications for membrane development. <i>Journal of Membrane Science</i> , 2020, 595, 117576.	4.1	42
86	Effect of mean cell residence time on the performance and microbial diversity of pre-denitrification submerged membrane bioreactors. <i>Chemosphere</i> , 2008, 70, 387-396.	4.2	40
87	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.	4.1	40
88	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.	4.1	40
89	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.	3.9	39
90	Feasibility of isolated novel facultative quorum quenching consortiums for fouling control in an AnMBR. <i>Water Research</i> , 2020, 169, 115251.	5.3	39

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91	An insight into cathode options for microbial fuel cells. <i>Water Science and Technology</i> , 2008, 57, 2031-2037.	1.2	38
92	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.	4.8	38
93	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.	2.6	37
94	Hydrogenated TiO ₂ membrane with photocatalytically enhanced anti-fouling for ultrafiltration of surface water. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118528.	10.8	37
95	Treatment of RO brine towards sustainable water reclamation practice. <i>Water Science and Technology</i> , 2008, 58, 931-936.	1.2	34
96	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, 158-164.	4.8	34
97	Denitrification kinetics indicates nitrous oxide uptake is unaffected by electron competition in <i>Accumulibacter</i> . <i>Water Research</i> , 2021, 189, 116557.	5.3	34
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, 265-273.	4.8	33
99	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, 276.	1.8	33
100	Performance and process simulation of membrane bioreactor (MBR) treating petrochemical wastewater. <i>Science of the Total Environment</i> , 2020, 747, 141311.	3.9	33
101	Impacts of different draw solutions on a novel anaerobic forward osmosis membrane bioreactor (AnFOMBR). <i>Water Science and Technology</i> , 2014, 69, 2036-2042.	1.2	32
102	Photodegradation of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans: Direct photolysis and photocatalysis processes. <i>Journal of Hazardous Materials</i> , 2008, 151, 507-514.	6.5	31
103	Multi-walled carbon nanotubes as electrode material for microbial fuel cells. <i>Water Science and Technology</i> , 2012, 65, 1208-1214.	1.2	31
104	Spontaneous modification of graphite anode by anthraquinone-2-sulfonic acid for microbial fuel cells. <i>Bioresource Technology</i> , 2014, 164, 184-188.	4.8	30
105	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.	1.8	30
106	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.	1.7	30
107	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.	5.3	30
108	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.	5.3	29

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109	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.	5.3	28
110	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.	3.9	27
111	Enhancing the Permselectivity of Thin-Film Composite Membranes Interlayered with MoS ₂ Nanosheets via Precise Thickness Control. <i>Environmental Science & Technology</i> , 2022, 56, 8807-8818.	4.6	27
112	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.	4.8	26
113	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.	4.0	26
114	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.	4.1	26
115	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.	4.8	25
116	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.	4.8	25
117	Diversity evolution of functional bacteria and resistance genes (CzcA) in aerobic activated sludge under Cd(II) stress. <i>Journal of Environmental Management</i> , 2019, 250, 109519.	3.8	24
118	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.	5.3	24
119	RO brine treatment and recovery by biological activated carbon and capacitive deionization process. <i>Water Science and Technology</i> , 2011, 64, 77-82.	1.2	23
120	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, 131-136.	1.2	20
121	Surface engineered alumina microfiltration membranes based on rationally constructed core-shell particles. <i>Journal of the European Ceramic Society</i> , 2020, 40, 5951-5958.	2.8	20
122	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, 2035-2041.	1.2	19
123	Polyaniline and iron based catalysts as air cathodes for enhanced oxygen reduction in microbial fuel cells. <i>RSC Advances</i> , 2015, 5, 79348-79354.	1.7	19
124	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.	6.6	18
125	Impacts of bio-carriers on the characteristics of cake layer and membrane fouling in a novel hybrid membrane bioreactor for treating mariculture wastewater. <i>Chemosphere</i> , 2022, 300, 134593.	4.2	18
126	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, 2478-2482.	3.8	16

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127	RO membrane solute rejection behavior at the initial stage of colloidal fouling. <i>Desalination</i> , 2005, 174, 211-217.	4.0	15
128	Novel 16-inch spiral-wound RO systems for water reclamation – a quantum leap in water reclamation technology. <i>Desalination</i> , 2008, 225, 274-287.	4.0	15
129	Quorum quenching affects biofilm development in an anaerobic membrane bioreactor (AnMBR): from macro to micro perspective. <i>Bioresource Technology</i> , 2022, 344, 126183.	4.8	15
130	Feasibility of implementing quorum quenching technology to mitigate membrane fouling in MBRs treating phenol-rich pharmaceutical wastewater: Application of <i>Rhodococcus</i> sp. BH4 and quorum quenching consortium. <i>Bioresource Technology</i> , 2022, 358, 127389.	4.8	14
131	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, 522-530.	1.1	13
132	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.	3.9	13
133	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.	3.9	13
134	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.	4.1	13
135	Mechanism behind the surface evolution and microstructure changes of laser fabricated nanostructured carbon composite. <i>Journal of Applied Physics</i> , 2011, 110, 054904.	1.1	12
136	Novel intertidal wetland sediment-inoculated moving bed biofilm reactor treating high-salinity wastewater: Metagenomic sequencing revealing key functional microorganisms. <i>Bioresource Technology</i> , 2022, 348, 126817.	4.8	12
137	Forward (Direct) Osmosis: A Novel and Prospective Process for Brine Control. <i>Proceedings of the Water Environment Federation</i> , 2006, 2006, 4345-4352.	0.0	11
138	Properties of laser fabricated nanostructured Cu/diamond-like carbon composite. <i>Journal of Materials Research</i> , 2011, 26, 2761-2771.	1.2	11
139	Electrical performance of low cost cathodes prepared by plasma sputtering deposition in microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2012, 31, 164-169.	5.3	11
140	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.	1.7	11
141	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.	1.9	11
142	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.	2.8	11
143	Comparison on the photogranules formation and microbial community shift between the batch and continuous-flow mode for the high saline wastewater treatment. <i>Chemical Engineering Journal</i> , 2022, 446, 137284.	6.6	11
144	Performance and fouling characteristics of different pore-sized submerged ceramic membrane bioreactors (SCMBR). <i>Water Science and Technology</i> , 2009, 59, 2213-2218.	1.2	10

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145	Treatment of domestic wastewater with an anaerobic ceramic membrane bioreactor (AnCMBR). <i>Water Science and Technology</i> , 2015, 72, 2301-2307.	1.2	10
146	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.	1.9	10
147	Hierarchically porous interlayer for highly permeable and fouling-resistant ceramic membranes in water treatment. <i>Separation and Purification Technology</i> , 2022, 293, 121092.	3.9	10
148	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.	5.3	10
149	Simultaneous ammonium–nitrogen and copper removal, and copper recovery using nitrifying biofilm from the Ultra-Compact Biofilm Reactor. <i>Bioresource Technology</i> , 2008, 99, 6614-6620.	4.8	9
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