# How Y Ng

## List of Publications by Year in Descending Order



| | | | |
|---|---|---|---|
| 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 | Insights on fouling development and characteristics during different fouling stages between a novel vibrating MBR and an air-sparging MBR for domestic wastewater treatment.. *Water Research*, **2022**, 212, 118098 | 12.5 | 3 |
| 171 | Novel intertidal wetland sediment-inoculated moving bed biofilm reactor treating high-salinity wastewater: Metagenomic sequencing revealing key functional microorganisms.. *Bioresource Technology*, **2022**, 348, 126817 | 11 | 0 |
| 170 | Effect of surface-patterned topographies of ceramic membranes on the filtration of activated sludge and their interaction with different particle sizes. *Journal of Membrane Science*, **2022**, 645, 120125 | 9.6 | 3 |
| 169 | Quorum quenching affects biofilm development in an anaerobic membrane bioreactor (AnMBR): from macro to micro perspective. *Bioresource Technology*, **2022**, 344, 126183 | 11 | 3 |
| 168 | Production of biosurfactants from agro-industrial waste and waste cooking oil in a circular bioeconomy: An overview. *Bioresource Technology*, **2022**, 343, 126059 | 11 | 18 |
| 167 | Developing better ceramic membranes for water and wastewater Treatment: Where microstructure integrates with chemistry and functionalities. *Chemical Engineering Journal*, **2022**, 428, 130456 | 14.7 | 12 |
| 166 | Enriched autoinducer-2 (AI-2)-based quorum quenching consortium in a ceramic anaerobic membrane bioreactor (AnMBR) for biofouling retardation.. *Water Research*, **2022**, 214, 118203 | 12.5 | 1 |
| 165 | Hierarchically porous interlayer for highly permeable and fouling-resistant ceramic membranes in water treatment. *Separation and Purification Technology*, **2022**, 293, 121092 | 8.3 | 1 |
| 164 | Impacts of bio-carriers on the characteristics of cake layer and membrane fouling in a novel hybrid membrane bioreactor for treating mariculture wastewater.. *Chemosphere*, **2022**, 134593 | 8.4 | 0 |
| 163 | Core carbon fixation pathways associated with cake layer development in an anoxic-oxic biofilm-membrane bioreactor treating textile wastewater.. *Science of the Total Environment*, **2022**, 155483 | 10.2 | 0 |
| 162 | Enhanced dissolved methane recovery and energy-efficient fouling mitigation via membrane vibration in anaerobic membrane bioreactor. *Resources, Conservation and Recycling*, **2022**, 184, 106404 | 11.9 | 1 |
| 161 | Feasibility of implementing quorum quenching technology to mitigate membrane fouling in MBRs treating phenol-rich pharmaceutical wastewater: Application of Rhodococcus sp. BH4 and quorum quenching consortium. *Bioresource Technology*, **2022**, 127389 | 11 | 0 |
| 160 | Comparison on the photogranules formation and microbial community shift between the batch and continuous-flow mode for the high saline wastewater treatment. *Chemical Engineering Journal*, **2022**, 137284 | 14.7 | 0 |
| 159 | 3D spray-coated gradient profile ceramic membranes enables improved filtration performance in aerobic submerged membrane bioreactor. *Water Research*, **2022**, 220, 118661 | 12.5 | |
| 158 | Ammonium removal and recovery from effluent of AnMBR treating real domestic wastewater using polymeric hydrogel. *Separation and Purification Technology*, **2022**, 296, 121376 | 8.3 | 0 |
| 157 | A critical review on advances in the practices and perspectives for the treatment of dye industry wastewater. *Bioengineered*, **2021**, 12, 70-87 | 5.7 | 123 |
| 156 | Evaluation and comparison of the microbial consortia enriched by gamma-caprolactone and N-Acyl homoserine lactones for effective quorum sensing disruption. *International Biodeterioration and Biodegradation*, **2021**, 159, 105200 | 4.8 | 6 |

| | | | |
|---|---|---|---|
| 155 | Aerobic granular sludge systems for treating hypersaline pharmaceutical wastewater: Start-up, long-term performances and metabolic function. *Journal of Hazardous Materials*, **2021**, 412, 125229 | 12.8 | 25 |
| 154 | Overcoming the Trade-off between Water Permeation and Mechanical Strength of Ceramic Membrane Supports by Interfacial Engineering. *ACS Applied Materials & Interfaces*, **2021**, 13, 29199-29211 | 9.5 | 3 |
| 153 | Effects of coarse and fine bubble aeration on performances of membrane filtration and denitrification in moving bed membrane bioreactors. *Science of the Total Environment*, **2021**, 772, 145513 | 10.2 | 6 |
| 152 | Denitrification kinetics indicates nitrous oxide uptake is unaffected by electron competition in Accumulibacter. *Water Research*, **2021**, 189, 116557 | 12.5 | 12 |
| 151 | Bio-based rhamnolipids production and recovery from waste streams: Status and perspectives. *Bioresource Technology*, **2021**, 319, 124213 | 11 | 26 |
| 150 | Ultrathin TiO2 microfiltration membranes supported on a holey intermediate layer to raise filtration performance. *Journal of the European Ceramic Society*, **2021**, 41, 1622-1628 | 6 | 6 |
| 149 | Comparison between novel vibrating ceramic MBR and conventional air-sparging MBR for domestic wastewater treatment: Performance, fouling control and energy consumption. *Water Research*, **2021**, 203, 117521 | 12.5 | 8 |
| 148 | Insights into mechanisms, kinetics and pathway of continuous visible-light photodegradation of PPCPs via porous g-C3N4 with highly dispersed Fe(III) active sites. *Chemical Engineering Journal*, **2021**, 423, 130095 | 14.7 | 4 |
| 147 | A review on integrated approaches for municipal solid waste for environmental and economical relevance: Monitoring tools, technologies, and strategic innovations. *Bioresource Technology*, **2021**, 342, 125982 | 11 | 18 |
| 146 | Preparation of a mesoporous silica quorum quenching medium for wastewater treatment using a membrane bioreactor. *Biofouling*, **2020**, 36, 369-377 | 3.3 | 2 |
| 145 | Effect of quorum quenching on EPS and size-fractioned particles and organics in anaerobic membrane bioreactor for domestic wastewater treatment. *Water Research*, **2020**, 179, 115850 | 12.5 | 27 |
| 144 | Treatment of industrial brine using capacitive deionization (CDI) towards zero liquid discharge - challenges and optimization. *Water Research*, **2020**, 183, 116059 | 12.5 | 19 |
| 143 | Influence of bio(de)flocculation on activated sludge processes in membrane bioreactors **2020**, 375-396 | | |
| 142 | Microbial degradation of dyes: An overview. *Bioresource Technology*, **2020**, 314, 123728 | 11 | 126 |
| 141 | Intertidal wetland sediment as a novel inoculation source for developing aerobic granular sludge in membrane bioreactor treating high-salinity antibiotic manufacturing wastewater. *Bioresource Technology*, **2020**, 314, 123715 | 11 | 16 |
| 140 | Surface engineered alumina microfiltration membranes based on rationally constructed core-shell particles. *Journal of the European Ceramic Society*, **2020**, 40, 5951-5958 | 6 | 10 |
| 139 | Fate and role of fluorescence moieties in extracellular polymeric substances during biological wastewater treatment: A review. *Science of the Total Environment*, **2020**, 718, 137291 | 10.2 | 22 |
| 138 | Challenges and opportunities for anaerobic membrane bioreactors **2020**, 55-77 | | 1 |

| | | | |
|---|---|---|---|
| 137 | Biological sulfamethoxazole degradation along with anaerobically digested centrate treatment by immobilized microalgal-bacterial consortium: Performance, mechanism and shifts in bacterial and microalgal communities. *Chemical Engineering Journal*, **2020**, 388, 124217 | 14.7 | 41 |
| 136 | 3D-printed surface-patterned ceramic membrane with enhanced performance in crossflow filtration. *Journal of Membrane Science*, **2020**, 606, 118138 | 9.6 | 26 |
| 135 | Metal□rganic Frameworks (MOFs)-boosted filtration membrane technology for water sustainability. *APL Materials*, **2020**, 8, 040902 | 5.7 | 28 |
| 134 | Spatial variation of fouling behavior in high recovery nanofiltration for industrial reverse osmosis brine treatment towards zero liquid discharge. *Journal of Membrane Science*, **2020**, 609, 118185 | 9.6 | 10 |
| 133 | Effect of gradient profile in ceramic membranes on filtration characteristics: Implications for membrane development. *Journal of Membrane Science*, **2020**, 595, 117576 | 9.6 | 23 |
| 132 | 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. *Bioresource Technology*, **2020**, 295, 122284 | 11 | 20 |
| 131 | Feasibility of isolated novel facultative quorum quenching consortiums for fouling control in an AnMBR. *Water Research*, **2020**, 169, 115251 | 12.5 | 26 |
| 130 | Highly permeable Al2O3 microfiltration membranes with holey interior structure achieved through sacrificial C particles. *Journal of the American Ceramic Society*, **2020**, 103, 3361-3372 | 3.8 | 7 |
| 129 | Hydrogenated TiO2 membrane with photocatalytically enhanced anti-fouling for ultrafiltration of surface water. *Applied Catalysis B: Environmental*, **2020**, 264, 118528 | 21.8 | 19 |
| 128 | Alumina double-layered ultrafiltration membranes with enhanced water flux. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 587, 124324 | 5.1 | 3 |
| 127 | Interfacial diffusion assisted chemical deposition (ID-CD) for confined surface modification of alumina microfiltration membranes toward high-flux and anti-fouling. *Separation and Purification Technology*, **2020**, 235, 116177 | 8.3 | 22 |
| 126 | Performance and process simulation of membrane bioreactor (MBR) treating petrochemical wastewater. *Science of the Total Environment*, **2020**, 747, 141311 | 10.2 | 17 |
| 125 | A method to eliminate bromide interference on standard COD test for bromide-rich industrial wastewater. *Chemosphere*, **2020**, 240, 124804 | 8.4 | 5 |
| 124 | Chemical-grafting of graphene oxide quantum dots (GOQDs) onto ceramic microfiltration membranes for enhanced water permeability and anti-organic fouling potential. *Applied Surface Science*, **2020**, 502, 144128 | 6.7 | 29 |
| 123 | Performance improvement for thin-film composite nanofiltration membranes prepared on PSf/PSf-g-PEG blended substrates. *Separation and Purification Technology*, **2020**, 230, 115855 | 8.3 | 22 |
| 122 | Analysis of N-Acy-L-homoserine lactones (AHLs) in wastewater treatment systems using SPE-LLE with LC-MS/MS. *Water Research*, **2020**, 177, 115756 | 12.5 | 15 |
| 121 | Heterogeneous ZIF-L membranes with improved hydrophilicity and anti-bacterial adhesion for potential application in water treatment.. *RSC Advances*, **2019**, 9, 1591-1601 | 3.7 | 34 |
| 120 | Electricity production enhancement in a constructed wetland-microbial fuel cell system for treating saline wastewater. *Bioresource Technology*, **2019**, 288, 121462 | 11 | 77 |

| | | | |
|---|---|---|---|
| 119 | Nanowires versus nanosheets Effects of NiCo2O4 nanostructures on ceramic membrane permeability and fouling potential. *Separation and Purification Technology*, **2019**, 215, 644-651 | 8.3 | 9 |
| 118 | Treatment and hybrid modeling of domestic reverse osmosis concentrate using biological activated carbon. *Desalination*, **2019**, 468, 114047 | 10.3 | 5 |
| 117 | Effect of ferric hydroxide on membrane fouling in membrane bioreactor treating pharmaceutical wastewater. *Bioresource Technology*, **2019**, 292, 121852 | 11 | 26 |
| 116 | Diversity evolution of functional bacteria and resistance genes (CzcA) in aerobic activated sludge under Cd(II) stress. *Journal of Environmental Management*, **2019**, 250, 109519 | 7.9 | 11 |
| 115 | Electrodialysis reversal for industrial reverse osmosis brine treatment. *Separation and Purification Technology*, **2019**, 213, 339-347 | 8.3 | 53 |
| 114 | Removal of nitrate and phosphate by chitosan composited beads derived from crude oil refinery waste: Sorption and cost-benefit analysis. *Journal of Cleaner Production*, **2019**, 207, 846-856 | 10.3 | 38 |
| 113 | Pretreatment of saline antibiotic wastewater using marine microalga. *Bioresource Technology*, **2018**, 258, 240-246 | 11 | 33 |
| 112 | Enhancing the robustness of microbial fuel cell sensor for continuous copper(II) detection against organic strength fluctuations by acetate and glucose addition. *Bioresource Technology*, **2018**, 259, 357-364 | 11 | 21 |
| 111 | Brine pre-treatment technologies for zero liquid discharge systems. *Desalination*, **2018**, 441, 96-111 | 10.3 | 65 |
| 110 | Membrane fouling mitigation by NaClO-assisted backwash in anaerobic ceramic membrane bioreactors for the treatment of domestic wastewater. *Bioresource Technology*, **2018**, 268, 622-632 | 11 | 27 |
| 109 | Review of low-cost point-of-use water treatment systems for developing communities. *Npj Clean Water*, **2018**, 1, | 11.2 | 78 |
| 108 | Optimization of a baffled-reactor microbial fuel cell using autotrophic denitrifying bio-cathode for removing nitrogen and recovering electrical energy. *Biochemical Engineering Journal*, **2017**, 120, 93-102 | 4.2 | 40 |
| 107 | Alkali-assisted membrane cleaning for fouling control of anaerobic ceramic membrane bioreactor. *Bioresource Technology*, **2017**, 240, 25-32 | 11 | 46 |
| 106 | Applicability of upflow anaerobic sludge blanket and dynamic membrane-coupled process for the treatment of municipal wastewater. *Applied Microbiology and Biotechnology*, **2017**, 101, 6531-6540 | 5.7 | 22 |
| 105 | Development and Long-Term Stability of a Novel Microbial Fuel Cell BOD Sensor with MnO Catalyst. *International Journal of Molecular Sciences*, **2017**, 18, | 6.3 | 26 |
| 104 | Anaerobic treatment of pharmaceutical wastewater: A critical review. *Bioresource Technology*, **2017**, 245, 1238-1244 | 11 | 125 |
| 103 | Toxicity study of reclaimed water on human embryonic kidney cells. *Chemosphere*, **2017**, 189, 390-398 | 8.4 | 4 |
| 102 | Anthraquinone-2-sulfonate immobilized to conductive polypyrrole hydrogel as a bioanode to enhance power production in microbial fuel cell. *Bioresource Technology*, **2017**, 244, 452-455 | 11 | 18 |

| | | | |
|---|---|---|---|
| 101 | Cobalt and nitrogen-doped carbon catalysts for enhanced oxygen reduction and power production in microbial fuel cells. *Electrochimica Acta*, **2017**, 247, 193-199 | 6.7 | 31 |
| 100 | Membrane fouling between a membrane bioreactor and a moving bed membrane bioreactor: Effects of solids retention time. *Chemical Engineering Journal*, **2017**, 309, 397-408 | 14.7 | 42 |
| 99 | Removal of Toxic Component of Wastewater by Anaerobic Processes **2017**, 443-467 | | 2 |
| 98 | Optimization of resource and water recovery from urine. *Journal of Water Reuse and Desalination*, **2016**, 6, 229-234 | 2.6 | 6 |
| 97 | Effects of bio-carriers on membrane fouling mitigation in moving bed membrane bioreactor. *Journal of Membrane Science*, **2016**, 499, 134-142 | 9.6 | 71 |
| 96 | A sandwiched denitrifying biocathode in a microbial fuel cell for electricity generation and waste minimization. *International Journal of Environmental Science and Technology*, **2016**, 13, 1055-1064 | 3.3 | 25 |
| 95 | Characterization of membrane fouling in submerged ceramic membrane photobioreactors fed with effluent from membrane bioreactors. *Chemical Engineering Journal*, **2016**, 290, 91-102 | 14.7 | 45 |
| 94 | Pyrosequencing reveals microbial community profile in anaerobic bio-entrapped membrane reactor for pharmaceutical wastewater treatment. *Bioresource Technology*, **2016**, 200, 1076-9 | 11 | 41 |
| 93 | 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. *Journal of Membrane Science*, **2016**, 511, 40-53 | 9.6 | 33 |
| 92 | An innovative of aerobic bio-entrapped salt marsh sediment membrane reactor for the treatment of high-saline pharmaceutical wastewater. *Chemical Engineering Journal*, **2016**, 295, 317-325 | 14.7 | 52 |
| 91 | Antibiofouling Polyvinylidene Fluoride Membrane Modified by Quaternary Ammonium Compound: Direct Contact-Killing versus Induced Indirect Contact-Killing. *Environmental Science & Technology*, **2016**, 50, 5086-93 | 10.3 | 66 |
| 90 | Using sediment microbial fuel cells (SMFCs) for bioremediation of polycyclic aromatic hydrocarbons (PAHs). *Bioresource Technology*, **2015**, 195, 122-30 | 11 | 95 |
| 89 | Investigation of intertidal wetland sediment as a novel inoculation source for anaerobic saline wastewater treatment. *Environmental Science & Technology*, **2015**, 49, 6231-9 | 10.3 | 82 |
| 88 | Effects of dissolved organic matters (DOMs) on membrane fouling in anaerobic ceramic membrane bioreactors (AnCMBRs) treating domestic wastewater. *Water Research*, **2015**, 86, 96-107 | 12.5 | 104 |
| 87 | Polyaniline and iron based catalysts as air cathodes for enhanced oxygen reduction in microbial fuel cells. *RSC Advances*, **2015**, 5, 79348-79354 | 3.7 | 16 |
| 86 | Treatment of domestic wastewater with an anaerobic ceramic membrane bioreactor (AnCMBR). *Water Science and Technology*, **2015**, 72, 2301-7 | 2.2 | 9 |
| 85 | Forward Osmosis Hybrid Processes for Water Reclamation and Reuse **2015**, 277-301 | | |
| 84 | Evaluation of system performance and microbial communities of a bioaugmented anaerobic membrane bioreactor treating pharmaceutical wastewater. *Water Research*, **2015**, 81, 311-24 | 12.5 | 81 |

| | | | |
|---|---|---|---|
| 83 | Conductive polypyrrole hydrogels and carbon nanotubes composite as an anode for microbial fuel cells. *RSC Advances*, **2015**, 5, 50968-50974 | 3.7 | 45 |
| 82 | Fabrication of layered silica–polysulfone mixed matrix substrate membrane for enhancing performance of thin-film composite forward osmosis membrane. *Journal of Membrane Science*, **2015**, 481, 148-163 | 9.6 | 98 |
| 81 | Sequential anaerobic-aerobic treatment of pharmaceutical wastewater with high salinity. *Bioresource Technology*, **2014**, 153, 79-86 | 11 | 107 |
| 80 | A high-performance electrocatalytic air cathode derived from aniline and iron for use in microbial fuel cells. *RSC Advances*, **2014**, 4, 12789-12794 | 3.7 | 10 |
| 79 | Biodiesel production by microalgae cultivated using permeate from membrane bioreactors in continuous system. *Water Science and Technology*, **2014**, 69, 1813-9 | 2.2 | 5 |
| 78 | Double-blade casting technique for optimizing substrate membrane in thin-film composite forward osmosis membrane fabrication. *Journal of Membrane Science*, **2014**, 469, 112-126 | 9.6 | 37 |
| 77 | A novel application of anaerobic bio-entrapped membrane reactor for the treatment of chemical synthesis-based pharmaceutical wastewater. *Separation and Purification Technology*, **2014**, 132, 634-643 | 8.3 | 71 |
| 76 | Bio-entrapped membrane reactor and salt marsh sediment membrane bioreactor for the treatment of pharmaceutical wastewater: treatment performance and microbial communities. *Bioresource Technology*, **2014**, 171, 265-73 | 11 | 31 |
| 75 | Biological treatment of pharmaceutical wastewater from the antibiotics industry. *Water Science and Technology*, **2014**, 69, 855-61 | 2.2 | 30 |
| 74 | A phosphorus-free anolyte to enhance coulombic efficiency of microbial fuel cells. *Journal of Power Sources*, **2014**, 268, 14-18 | 8.9 | 5 |
| 73 | Impacts of different draw solutions on a novel anaerobic forward osmosis membrane bioreactor (AnFOMBR). *Water Science and Technology*, **2014**, 69, 2036-42 | 2.2 | 29 |
| 72 | Different types of carbon nanotube-based anodes to improve microbial fuel cell performance. *Water Science and Technology*, **2014**, 69, 1900-10 | 2.2 | 38 |
| 71 | Spontaneous modification of graphite anode by anthraquinone-2-sulfonic acid for microbial fuel cells. *Bioresource Technology*, **2014**, 164, 184-8 | 11 | 24 |
| 70 | Forward osmosis organic fouling: Effects of organic loading, calcium and membrane orientation. *Desalination*, **2013**, 312, 88-98 | 10.3 | 98 |
| 69 | Effect of shear rate on the response of microbial fuel cell toxicity sensor to Cu(II). *Bioresource Technology*, **2013**, 136, 707-10 | 11 | 91 |
| 68 | Performance of submerged anaerobic membrane bioreactor at different SRTs for domestic wastewater treatment. *Journal of Biotechnology*, **2013**, 164, 82-90 | 3.7 | 50 |
| 67 | Revised external and internal concentration polarization models to improve flux prediction in forward osmosis process. *Desalination*, **2013**, 309, 125-140 | 10.3 | 59 |
| 66 | Comparison in performance of sediment microbial fuel cells according to depth of embedded anode. *Bioresource Technology*, **2013**, 127, 138-42 | 11 | 57 |

| | | | |
|---|---|---|---|
| 65 | Optimization of a microbial fuel cell for wastewater treatment using recycled scrap metals as a cost-effective cathode material. *Bioresource Technology*, **2013**, 127, 158-64 | 11 | 30 |
| 64 | Fouling control mechanism by suspended biofilm carriers addition in submerged ceramic membrane bioreactors. *Journal of Membrane Science*, **2013**, 427, 250-258 | 9.6 | 80 |
| 63 | Manganese□polypyrrole□carbon nanotube, a new oxygen reduction catalyst for air-cathode microbial fuel cells. *Journal of Power Sources*, **2013**, 221, 381-386 | 8.9 | 73 |
| 62 | Suitability of ozone pre-treatment for amoxicillin wastewater. *Water Science and Technology*, **2013**, 68, 2492-6 | 2.2 | 6 |
| 61 | Effect of increasing anodic NaCl concentration on microbial fuel cell performance. *Bioresource Technology*, **2012**, 112, 336-40 | 11 | 144 |
| 60 | Electrical performance of low cost cathodes prepared by plasma sputtering deposition in microbial fuel cells. *Biosensors and Bioelectronics*, **2012**, 31, 164-9 | 11.8 | 10 |
| 59 | Microbial fuel-cell-based toxicity sensor for fast monitoring of acidic toxicity. *Water Science and Technology*, **2012**, 65, 1223-8 | 2.2 | 50 |
| 58 | Bioelectrochemical treatment of acid mine drainage dominated with iron. *Journal of Hazardous Materials*, **2012**, 241-242, 411-7 | 12.8 | 54 |
| 57 | Multi-walled carbon nanotubes as electrode material for microbial fuel cells. *Water Science and Technology*, **2012**, 65, 1208-14 | 2.2 | 29 |
| 56 | Proapoptotic effect of a micropollutant (tris-(2-chloroethyl)-phosphate) at environmental level in primary cultured renal proximal tubule cells. *Journal of Water and Health*, **2012**, 10, 522-30 | 2.2 | 10 |
| 55 | Membrane Fouling in MBRs: Mechanisms and Control **2012**, 96-139 | | |
| 54 | Submerged anaerobic membrane bioreactor for low-strength wastewater treatment: effect of HRT and SRT on treatment performance and membrane fouling. *Water Research*, **2011**, 45, 705-13 | 12.5 | 312 |
| 53 | Carbon nanotube supported $MnO_x$ catalysts for oxygen reduction reaction and their applications in microbial fuel cells. *Biosensors and Bioelectronics*, **2011**, 26, 4728-32 | 11.8 | 104 |
| 52 | Properties of laser fabricated nanostructured Cu/diamond-like carbon composite. *Journal of Materials Research*, **2011**, 26, 2761-2771 | 2.5 | 11 |
| 51 | Microbial fuel cells for energy self-sufficient domestic wastewater treatment-a review and discussion from energetic consideration. *Applied Microbiology and Biotechnology*, **2011**, 89, 259-70 | 5.7 | 97 |
| 50 | Full-loop operation and cathodic acidification of a microbial fuel cell operated on domestic wastewater. *Bioresource Technology*, **2011**, 102, 5841-8 | 11 | 48 |
| 49 | RO brine treatment and recovery by biological activated carbon and capacitive deionization process. *Water Science and Technology*, **2011**, 64, 77-82 | 2.2 | 20 |
| 48 | A comparison of membranes and enrichment strategies for microbial fuel cells. *Bioresource Technology*, **2011**, 102, 6291-4 | 11 | 52 |

| | | | |
|---|---|---|---|
| 47 | In situ grown carbon nanotubes on carbon paper as integrated gas diffusion and catalyst layer for proton exchange membrane fuel cells. *Electrochimica Acta*, **2011**, 56, 4327-4334 | 6.7 | 36 |
| 46 | Mechanism behind the surface evolution and microstructure changes of laser fabricated nanostructured carbon composite. *Journal of Applied Physics*, **2011**, 110, 054904 | 2.5 | 12 |
| 45 | Conception and optimization of a membrane electrode assembly microbial fuel cell (MEA-MFC) for treatment of domestic wastewater. *Water Science and Technology*, **2011**, 64, 1527-32 | 2.2 | 2 |
| 44 | Physico-chemical characterisation versus in situ micro-structural characterisation of membrane fouling in membrane bioreactors. *Water Science and Technology*, **2011**, 63, 1781-7 | 2.2 | 2 |
| 43 | T-RFLP reveals high Proteobacteria diversity in microbial fuel cells enriched with domestic wastewater. *Journal of Applied Microbiology*, **2010**, 109, 839-50 | 4.7 | 54 |
| 42 | An experimental study on the effect of spacer on concentration polarization in a long channel reverse osmosis membrane cell. *Water Science and Technology*, **2010**, 61, 2035-41 | 2.2 | 11 |
| 41 | Pt/CNT-Based Electrodes with High Electrochemical Activity and Stability for Proton Exchange Membrane Fuel Cells. *Journal of the Electrochemical Society*, **2010**, 157, B245 | 3.9 | 35 |
| 40 | A novel hybrid forward osmosis - nanofiltration (FO-NF) process for seawater desalination: Draw solution selection and system configuration. *Desalination and Water Treatment*, **2010**, 13, 356-361 | | 142 |
| 39 | Characterisation of initial fouling in aerobic submerged membrane bioreactors in relation to physico-chemical characteristics under different flux conditions. *Water Research*, **2010**, 44, 2336-48 | 12.5 | 80 |
| 38 | Comparison of fouling characteristics in different pore-sized submerged ceramic membrane bioreactors. *Water Research*, **2010**, 44, 5907-18 | 12.5 | 74 |
| 37 | Determination of effects of turbulence flow in a cathode environment on electricity generation using a tidal mud-based cylindrical-type sediment microbial fuel cell. *Journal of Environmental Management*, **2010**, 91, 2478-82 | 7.9 | 12 |
| 36 | Determination of charge transfer resistance and capacitance of microbial fuel cell through a transient response analysis of cell voltage. *Biosensors and Bioelectronics*, **2010**, 25, 1629-34 | 11.8 | 72 |
| 35 | Performance and fouling characteristics of different pore-sized submerged ceramic membrane bioreactors (SCMBR). *Water Science and Technology*, **2009**, 59, 2213-8 | 2.2 | 8 |
| 34 | Membrane fouling in a submerged membrane bioreactor using track-etched and phase-inversed porous membranes. *Separation and Purification Technology*, **2009**, 65, 184-192 | 8.3 | 42 |
| 33 | Optimization of a Pt-free cathode suitable for practical applications of microbial fuel cells. *Bioresource Technology*, **2009**, 100, 4907-10 | 11 | 53 |
| 32 | Ozone-biological activated carbon as a pretreatment process for reverse osmosis brine treatment and recovery. *Water Research*, **2009**, 43, 3948-55 | 12.5 | 99 |
| 31 | Integrated pretreatment with capacitive deionization for reverse osmosis reject recovery from water reclamation plant. *Water Research*, **2009**, 43, 4769-77 | 12.5 | 54 |
| 30 | Floating-type microbial fuel cell (FT-MFC) for treating organic-contaminated water. *Environmental Science & Technology*, **2009**, 43, 1642-7 | 10.3 | 37 |

| | | | |
|---|---|---|---|
| 29 | Effect of Membrane Pore Size on Membrane Biofouling in Ceramic Membrane Bioreactors. *Proceedings of the Water Environment Federation*, **2009**, 2009, 7069-7078 | | |
| 28 | A microbial fuel cell equipped with a biocathode for organic removal and denitrification. *Water Science and Technology*, **2008**, 58, 881-5 | 2.2 | 91 |
| 27 | Influence of mixed liquor recycle ratio and dissolved oxygen on performance of pre-denitrification submerged membrane bioreactors. *Water Research*, **2008**, 42, 1122-32 | 12.5 | 71 |
| 26 | Effect of mean cell residence time on the performance and microbial diversity of pre-denitrification submerged membrane bioreactors. *Chemosphere*, **2008**, 70, 387-96 | 8.4 | 36 |
| 25 | Effect of membrane type and material on performance of a submerged membrane bioreactor. *Chemosphere*, **2008**, 71, 853-9 | 8.4 | 61 |
| 24 | Characterisation of biofilm constituents and their effect on membrane filterability in MBRs. *Water Science and Technology*, **2008**, 58, 1933-9 | 2.2 | 5 |
| 23 | Treatment of RO brine-towards sustainable water reclamation practice. *Water Science and Technology*, **2008**, 58, 931-6 | 2.2 | 30 |
| 22 | An insight into cathode options for microbial fuel cells. *Water Science and Technology*, **2008**, 57, 2031-7 | 2.2 | 36 |
| 21 | Feasibility of submerged anaerobic membrane bioreactor (SAMBR) for treatment of low-strength wastewater. *Water Science and Technology*, **2008**, 58, 1925-31 | 2.2 | 40 |
| 20 | Innovative large-diameter RO system for water reclamation and seawater desalination. *Water Science and Technology: Water Supply*, **2008**, 8, 93-99 | 1.4 | 1 |
| 19 | Alternative immunofluorescent labeling of Cryptosporidium parvum in water samples using semiconductor quantum dots. *Water Environment Research*, **2008**, 80, 725-31 | 2.8 | 5 |
| 18 | Fouling of reverse osmosis membrane by protein (BSA): Effects of pH, calcium, magnesium, ionic strength and temperature. *Journal of Membrane Science*, **2008**, 315, 28-35 | 9.6 | 181 |
| 17 | Modified models to predict flux behavior in forward osmosis in consideration of external and internal concentration polarizations. *Journal of Membrane Science*, **2008**, 324, 209-219 | 9.6 | 198 |
| 16 | Photodegradation of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans: direct photolysis and photocatalysis processes. *Journal of Hazardous Materials*, **2008**, 151, 507-14 | 12.8 | 27 |
| 15 | Degradation of C.I. Reactive Red 2 (RR2) using ozone-based systems: comparisons of decolorization efficiency and power consumption. *Journal of Hazardous Materials*, **2008**, 152, 120-7 | 12.8 | 56 |
| 14 | Novel 16-inch spiral-wound RO systems for water reclamation – a quantum leap in water reclamation technology. *Desalination*, **2008**, 225, 274-287 | 10.3 | 14 |
| 13 | Concentration of brine by forward osmosis: Performance and influence of membrane structure. *Desalination*, **2008**, 224, 143-153 | 10.3 | 106 |
| 12 | Simultaneous ammonium-nitrogen and copper removal, and copper recovery using nitrifying biofilm from the ultra-compact biofilm reactor. *Bioresource Technology*, **2008**, 99, 6614-20 | 11 | 9 |

| | | | |
|---|---|---|---|
| 11 | Forward (Direct) Osmosis: A Novel and Prospective Process for Brine Control. *Proceedings of the Water Environment Federation*, **2006**, 2006, 4345-4352 | | 7 |
| 10 | Membrane fouling of submerged membrane bioreactors: impact of mean cell residence time and the contributing factors. *Environmental Science & Technology*, **2006**, 40, 2706-13 | 10.3 | 162 |
| 9 | Performance of forward (direct) osmosis process: membrane structure and transport phenomenon. *Environmental Science & Technology*, **2006**, 40, 2408-13 | 10.3 | 106 |
| 8 | Effect of formaldehyde on biofilm activity and morphology in an ultracompact biofilm reactor for carbonaceous wastewater treatment. *Water Environment Research*, **2006**, 78, 372-80 | 2.8 | 3 |
| 7 | Evaluation of a long-term operation of a submerged nanofiltration membrane bioreactor (NF MBR) for advanced wastewater treatment. *Water Science and Technology*, **2006**, 53, 131-6 | 2.2 | 15 |
| 6 | Effects of solid retention time on the performance of submerged anoxic/oxic membrane bioreactor. *Water Science and Technology*, **2006**, 53, 7-13 | 2.2 | 136 |
| 5 | Membrane bioreactor operation at short solids retention times: performance and biomass characteristics. *Water Research*, **2005**, 39, 981-92 | 12.5 | 155 |
| 4 | Effects of Sodium Chloride on the Performance of a Sequencing Batch Reactor. *Journal of Environmental Engineering, ASCE*, **2005**, 131, 1557-1564 | 2 | 44 |
| 3 | Specific resistance to filtration of biomass from membrane bioreactor reactor and activated sludge: effects of exocellular polymeric substances and dispersed microorganisms. *Water Environment Research*, **2005**, 77, 187-92 | 2.8 | 35 |
| 2 | RO membrane solute rejection behavior at the initial stage ofcolloidal fouling. *Desalination*, **2005**, 174, 211-217 | 10.3 | 14 |
| 1 | Influence of colloidal fouling on rejection of trace organic contaminants by reverse osmosis. *Journal of Membrane Science*, **2004**, 244, 215-226 | 9.6 | 181 |