

# Long D. Nghiem

## List of Publications by Year in Descending Order

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

492  
papers

25,860  
citations

83  
h-index

138  
g-index

504  
ext. papers

30,286  
ext. citations

8.7  
avg, IF

7.62  
L-index

#	Paper	IF	Citations
492	Wastewater to R3 [Resource recovery, recycling, and reuse efficiency in urban wastewater treatment plants <b>2022</b> , 3-16		
491	Carbon dioxide fixation and phycoremediation by algae-based technologies for biofuels and biomaterials <b>2022</b> , 253-277		
490	Life-cycle assessment on sequestration of greenhouse gases for the production of biofuels and biomaterials <b>2022</b> , 179-202		
489	Sustainable production and applications of biochar in circular bioeconomy <b>2022</b> , 337-361		
488	Recent developments of hydrogel based solar water purification technology. <i>Materials Advances</i> , <b>2022</b> , 3, 1322-1340	3.3	0
487	Current application of algae derivatives for bioplastic production: A review.. <i>Bioresource Technology</i> , <b>2022</b> , 347, 126698	11	8
486	Advancements in detection and removal of antibiotic resistance genes in sludge digestion: A state-of-art review. <i>Bioresource Technology</i> , <b>2022</b> , 344, 126197	11	5
485	Free and immobilized biocatalysts for removing micropollutants from water and wastewater: Recent progress and challenges. <i>Bioresource Technology</i> , <b>2022</b> , 344, 126201	11	13
484	Phthalates in the environment: characteristics, fate and transport, and advanced wastewater treatment technologies. <i>Bioresource Technology</i> , <b>2022</b> , 344, 126249	11	6
483	New insights to the difference in microbial composition and interspecies interactions between fouling layer and mixed liquor in a membrane bioreactor. <i>Journal of Membrane Science</i> , <b>2022</b> , 643, 120034	9.6	2
482	Simultaneous nutrient recovery and algal biomass production from anaerobically digested sludge centrate using a membrane photobioreactor. <i>Bioresource Technology</i> , <b>2022</b> , 343, 126069	11	3
481	Metals extraction processes from electronic waste: constraints and opportunities.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	3
480	Linking endogenous decay and sludge bulking in the microbial community to membrane fouling at sub-critical flux <b>2022</b> , 2, 100023		0
479	Polyethylene separator supported thin-film composite forward osmosis membranes for concentrating lithium enriched brine.. <i>Water Research</i> , <b>2022</b> , 216, 118297	12.5	0
478	Microalgae-bacteria consortium for wastewater treatment and biomass production.. <i>Science of the Total Environment</i> , <b>2022</b> , 155871	10.2	4
477	Comparison between cold plasma, ultrasonication, and alkaline hydrogen peroxide pretreatments of garden waste to enhance humification in subsequent composting with kitchen waste: Performance and mechanisms.. <i>Bioresource Technology</i> , <b>2022</b> , 354, 127228	11	0
476	Mitigation of reverse osmosis membrane fouling by electrochemical-microfiltration- activated carbon pretreatment. <i>Journal of Membrane Science</i> , <b>2022</b> , 656, 120615	9.6	1

475	Effects of harvesting methods on morphological and biochemical characteristics of microalgal biomass harvested by polyacrylamide addition, pH-induced flocculation, and centrifugation. <i>Bioresource Technology</i> , <b>2022</b> , 127433	11	0
474	Nutrient recovery from anaerobic digestate <b>2022</b> , 131-150		
473	Chiral inversion of 2-arylpropionic acid (2-APA) enantiomers during simulated biological wastewater treatment. <i>Water Research</i> , <b>2021</b> , 209, 117871	12.5	0
472	Enzyme-based control of membrane biofouling for water and wastewater purification: A comprehensive review. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 25, 102106	7	3
471	Selection of microalgae strains for sustainable production of aviation biofuel. <i>Bioresource Technology</i> , <b>2021</b> , 345, 126408	11	3
470	Monitoring the performance of permeable reactive barriers constructed in acid sulfate soils. <i>Engineering Geology</i> , <b>2021</b> , 296, 106465	6	2
469	Synthesis and evaluation of cationic polyacrylamide and polyacrylate flocculants for harvesting freshwater and marine microalgae. <i>Chemical Engineering Journal</i> , <b>2021</b> , 133623	14.7	1
468	Recent advances in attached growth membrane bioreactor systems for wastewater treatment. <i>Science of the Total Environment</i> , <b>2021</b> , 152123	10.2	6
467	Hydrogen sulphide management in anaerobic digestion: A critical review on input control, process regulation, and post-treatment.. <i>Bioresource Technology</i> , <b>2021</b> , 126634	11	1
466	Bio-membrane integrated systems for nitrogen recovery from wastewater in circular bioeconomy. <i>Chemosphere</i> , <b>2021</b> , 289, 133175	8.4	2
465	Humification and maturation of kitchen waste during indoor composting by individual households.. <i>Science of the Total Environment</i> , <b>2021</b> , 152509	10.2	0
464	Enhanced Wastewater Treatment by Immobilized Enzymes. <i>Current Pollution Reports</i> , <b>2021</b> , 7, 167-179	7.6	16
463	Bioelectrochemical System in Wastewater Treatment: Resource Recovery from Municipal and Industrial Wastewaters <b>2021</b> , 489-523		
462	A review on membrane fouling control in anaerobic membrane bioreactors by adding performance enhancers. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 40, 101867	6.7	16
461	Forward Osmosis for Nutrients Recovery from Wastewater <b>2021</b> , 373-396		
460	Proof of concept: Integrated membrane distillation-forward osmosis approaches water production in a low-temperature CO2 capture. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 22, 101508	7	0
459	Biogas sparging to control fouling and enhance resource recovery from anaerobically digested sludge centrate by forward osmosis. <i>Journal of Membrane Science</i> , <b>2021</b> , 625, 119176	9.6	7
458	Solid-Embedded Microplastics from Sewage Sludge to Agricultural Soils: Detection, Occurrence, and Impacts. <i>ACS ES&amp;T Water</i> , <b>2021</b> , 1, 1322-1333		5

457	A preliminary assessment of forward osmosis to extract water from rumen fluid for artificial saliva. <i>Case Studies in Chemical and Environmental Engineering</i> , <b>2021</b> , 3, 100095	7.5	2
456	Fouling behavior and performance of a submerged flat-sheet nanofiltration membrane system for direct treatment of secondary wastewater effluent. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 41, 101991	6.7	2
455	Functionalized Materials as a Versatile Platform for Enzyme Immobilization in Wastewater Treatment. <i>Current Pollution Reports</i> , <b>2021</b> , 7, 263-276	7.6	4
454	Nanofiltration Bioreactors <b>2021</b> , 691-705		
453	Trace Contaminant Removal by Nanofiltration <b>2021</b> , 805-887		1
452	The Individual and Synergistic Indexes for Assessments of Heavy Metal Contamination in Global Rivers and Risk: a Review. <i>Current Pollution Reports</i> , <b>2021</b> , 7, 247-262	7.6	1
451	Bacterial dynamics and functions driven by bulking agents to mitigate gaseous emissions in kitchen waste composting. <i>Bioresource Technology</i> , <b>2021</b> , 332, 125028	11	17
450	Improving sulfonamide antibiotics removal from swine wastewater by supplying a new pomelo peel derived biochar in an anaerobic membrane bioreactor. <i>Bioresource Technology</i> , <b>2021</b> , 319, 124160	11	26
449	Fixed-bed adsorption performance and empirical modeling of cadmium removal using adsorbent prepared from the cyanobacterium <i>Aphanothece</i> sp cultivar. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 21, 101194	7	8
448	A comprehensive analysis of an effective flocculation method for high quality microalgal biomass harvesting. <i>Science of the Total Environment</i> , <b>2021</b> , 752, 141708	10.2	12
447	Biomethane production from anaerobic co-digestion at wastewater treatment plants: A critical review on development and innovations in biogas upgrading techniques. <i>Science of the Total Environment</i> , <b>2021</b> , 765, 142753	10.2	33
446	Enhanced biocatalysis of phenanthrene in aqueous phase by novel CA-Ca-SBE-laccase biocatalyst: Performance and mechanism. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 611, 125884	5.1	2
445	Bio-membrane based integrated systems for nitrogen recovery in wastewater treatment: Current applications and future perspectives. <i>Chemosphere</i> , <b>2021</b> , 265, 129076	8.4	15
444	Phosphorus removal from aqueous solution by steel making slag [Mechanisms and performance optimisation. <i>Journal of Cleaner Production</i> , <b>2021</b> , 284, 124753	10.3	11
443	Solar driven produced water treatment for beneficial uses. <i>APPEA Journal</i> , <b>2021</b> , 61, 25	0.6	
442	Valorizing agricultural residues as biorefinery feedstocks: current advancements and challenges <b>2021</b> , 25-48		
441	Harvesting <i>Porphyridium purpureum</i> using polyacrylamide polymers and alkaline bases and their impact on biomass quality. <i>Science of the Total Environment</i> , <b>2021</b> , 755, 142412	10.2	5
440	Electrospun biosystems made of nylon 6 and laccase and its application in dyes removal. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 21, 101332	7	8

439	A new perspective on small-scale treatment systems for arsenic affected groundwater. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 23, 101780	7	1
438	Monitoring antibiotic resistance genes in wastewater treatment: Current strategies and future challenges. <i>Science of the Total Environment</i> , <b>2021</b> , 783, 146964	10.2	27
437	Environmental impacts and greenhouse gas emissions assessment for energy recovery and material recycle of the wastewater treatment plant. <i>Science of the Total Environment</i> , <b>2021</b> , 784, 147135	10.2	7
436	Assessment of pilot direct contact membrane distillation regeneration of lithium chloride solution in liquid desiccant air-conditioning systems using computer simulation. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	1
435	Nitrogen removal in subsurface constructed wetland: Assessment of the influence and prediction by data mining and machine learning. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 23, 101712	7	3
434	Roles and applications of enzymes for resistant pollutants removal in wastewater treatment. <i>Bioresource Technology</i> , <b>2021</b> , 335, 125278	11	25
433	Reverse osmosis treatment of condensate from ammonium nitrate production: insights into membrane performance. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 106457	6.8	1
432	Semi-continuous anaerobic digestion of secondary sludge with free ammonia pretreatment: Focusing on volatile solids destruction, dewaterability, pathogen removal and its implications. <i>Water Research</i> , <b>2021</b> , 202, 117481	12.5	13
431	Modelling the impact of Alkaline-surfactant and Alkaline-surfactant-polymer flooding processes on scale precipitation and management. <i>Journal of Petroleum Science and Engineering</i> , <b>2021</b> , 205, 108777	4.4	1
430	Effect of calcium peroxide pretreatment on the remediation of sulfonamide antibiotics (SMs) by <i>Chlorella</i> sp. <i>Science of the Total Environment</i> , <b>2021</b> , 793, 148598	10.2	4
429	Significance of the presence of antibiotics on the microbial consortium in wastewater - The case of nitrofurantoin and furazolidone. <i>Bioresource Technology</i> , <b>2021</b> , 339, 125577	11	1
428	Implementation of forward osmosis to concentrate alpha-ketoglutaric acid from fermentation broth: Performance and fouling analysis. <i>Journal of Membrane Science</i> , <b>2021</b> , 637, 119593	9.6	1
427	Factors governing microalgae harvesting efficiency by flocculation using cationic polymers. <i>Bioresource Technology</i> , <b>2021</b> , 340, 125669	11	10
426	UV assisted backwashing for fouling control in membrane bioreactor operation. <i>Journal of Membrane Science</i> , <b>2021</b> , 639, 119751	9.6	5
425	The shadow pandemic of single use personal protective equipment plastic waste: A blue print for suppression and eradication. <i>Case Studies in Chemical and Environmental Engineering</i> , <b>2021</b> , 4, 100125	7.5	5
424	Microplastics deteriorate the removal efficiency of antibiotic resistance genes during aerobic sludge digestion. <i>Science of the Total Environment</i> , <b>2021</b> , 798, 149344	10.2	5
423	Promotion of direct interspecies electron transfer and potential impact of conductive materials in anaerobic digestion and its downstream processing - a critical review. <i>Bioresource Technology</i> , <b>2021</b> , 341, 125847	11	4
422	Bacterial dynamics for gaseous emission and humification in bio-augmented composting of kitchen waste. <i>Science of the Total Environment</i> , <b>2021</b> , 801, 149640	10.2	4

421	Regulating bacterial dynamics by lime addition to enhance kitchen waste composting. <i>Bioresource Technology</i> , <b>2021</b> , 341, 125749	11	3
420	Biotransformation of organic micro-pollutants in biological wastewater <b>2020</b> , 185-204		
419	A hybrid anaerobic and microalgal membrane reactor for energy and microalgal biomass production from wastewater. <i>Environmental Technology and Innovation</i> , <b>2020</b> , 19, 100834	7	23
418	Membrane distillation regeneration of liquid desiccant solution for air-conditioning: Insights into polarisation effects and mass transfer. <i>Environmental Technology and Innovation</i> , <b>2020</b> , 19, 100941	7	3
417	Water and nutrient recovery by a novel moving sponge - Anaerobic osmotic membrane bioreactor - Membrane distillation (AnOMBR-MD) closed-loop system. <i>Bioresource Technology</i> , <b>2020</b> , 312, 123573	11	13
416	Membrane Distillation for Strategic Water Treatment Applications: Opportunities, Challenges, and Current Status. <i>Current Pollution Reports</i> , <b>2020</b> , 6, 173-187	7.6	10
415	Micropollutants cometabolism of microalgae for wastewater remediation: Effect of carbon sources to cometabolism and degradation products. <i>Water Research</i> , <b>2020</b> , 183, 115974	12.5	30
414	Anaerobic membrane bioreactors for antibiotic wastewater treatment <b>2020</b> , 219-239		3
413	Forward osmosis/membrane distillation hybrid system for desalination using mixed trivalent draw solution. <i>Journal of Membrane Science</i> , <b>2020</b> , 603, 118029	9.6	18
412	Enhanced high-quality biomethane production from anaerobic digestion of primary sludge by corn stover biochar. <i>Bioresource Technology</i> , <b>2020</b> , 306, 123159	11	43
411	A Novel Approach in Crude Enzyme Laccase Production and Application in Emerging Contaminant Bioremediation. <i>Processes</i> , <b>2020</b> , 8, 648	2.9	5
410	Biomethane production from anaerobic co-digestion and steel-making slag: A new waste-to-resource pathway. <i>Science of the Total Environment</i> , <b>2020</b> , 738, 139764	10.2	4
409	A comprehensive review on the framework to valorise lignocellulosic biomass as biorefinery feedstocks. <i>Science of the Total Environment</i> , <b>2020</b> , 743, 140630	10.2	69
408	Sustainable management and treatment technologies for micro-pollutants in wastewater <b>2020</b> , 1-22		1
407	Management of Enteric Methanogenesis in Ruminants by Algal-Derived Feed Additives. <i>Current Pollution Reports</i> , <b>2020</b> , 6, 188-205	7.6	12
406	Contribution of the construction phase to environmental impacts of the wastewater treatment plant. <i>Science of the Total Environment</i> , <b>2020</b> , 743, 140658	10.2	12
405	Energy production in anaerobic membrane bioreactors: Opportunities and challenges <b>2020</b> , 309-333		
404	Synergistic effect of dual flocculation between inorganic salts and chitosan on harvesting microalgae <i>Chlorella vulgaris</i> . <i>Environmental Technology and Innovation</i> , <b>2020</b> , 17, 100622	7	24

403	Selective carbon sources and salinities enhance enzymes and extracellular polymeric substances extrusion of <i>Chlorella</i> sp. for potential co-metabolism. <i>Bioresource Technology</i> , <b>2020</b> , 303, 122877	11	15
402	The COVID-19 pandemic: Considerations for the waste and wastewater services sector. <i>Case Studies in Chemical and Environmental Engineering</i> , <b>2020</b> , 1, 100006	7.5	135
401	Blue-Green Algae in Surface Water: Problems and Opportunities. <i>Current Pollution Reports</i> , <b>2020</b> , 6, 105-112	12	16
400	Nutrient recovery from wastewater: From technology to economy. <i>Bioresource Technology Reports</i> , <b>2020</b> , 11, 100425	4.1	25
399	A critical review on life cycle assessment and plant-wide models towards emission control strategies for greenhouse gas from wastewater treatment plants. <i>Journal of Environmental Management</i> , <b>2020</b> , 264, 110440	7.9	19
398	Aerobic membrane bioreactors for municipal wastewater treatment <b>2020</b> , 103-128		3
397	Derivation of volatile fatty acid from crop residues digestion using a rumen membrane bioreactor: A feasibility study. <i>Bioresource Technology</i> , <b>2020</b> , 312, 123571	11	11
396	Impacts of hydraulic retention time on a continuous flow mode dual-chamber microbial fuel cell for recovering nutrients from municipal wastewater. <i>Science of the Total Environment</i> , <b>2020</b> , 734, 139220	10.2	19
395	Direct preparation of dialysate from tap water via osmotic dilution. <i>Journal of Membrane Science</i> , <b>2020</b> , 598, 117659	9.6	5
394	Impacts of typical pharmaceuticals and personal care products on the performance and microbial community of a sponge-based moving bed biofilm reactor. <i>Bioresource Technology</i> , <b>2020</b> , 295, 122298	11	22
393	The rejection of mono- and di-valent ions from aquatic environment by MWNT/chitosan buckypaper composite membranes: Influences of chitosan concentrations. <i>Separation and Purification Technology</i> , <b>2020</b> , 234, 116088	8.3	19
392	Effect of regulating main governing factors on the selectivity membranes of electrodialysis used for LiCl liquid desiccant regeneration. <i>Journal of Building Engineering</i> , <b>2020</b> , 28, 101022	5.2	3
391	Removal process of antibiotics during anaerobic treatment of swine wastewater. <i>Bioresource Technology</i> , <b>2020</b> , 300, 122707	11	36
390	Optimization and organic fouling behavior of zwitterion-modified thin-film composite polyamide membrane for water reclamation: A comprehensive study. <i>Journal of Membrane Science</i> , <b>2020</b> , 596, 117748	9.6	33
389	A critical review on antibiotics and hormones in swine wastewater: Water pollution problems and control approaches. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 387, 121682	12.8	145
388	A sequential membrane bioreactor followed by a membrane microalgal reactor for nutrient removal and algal biomass production. <i>Environmental Science: Water Research and Technology</i> , <b>2020</b> , 6, 189-196	4.2	18
387	The preparation and characterization of buckypaper made from carbon nanotubes impregnated with chitosan. <i>Polymer Composites</i> , <b>2020</b> , 41, 1393-1404	3	3
386	A novel red mud adsorbent for phosphorus and diclofenac removal from wastewater. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 303, 112286	6	22



385	Removal of organic micropollutants using advanced membrane-based water and wastewater treatment: A review. <i>Journal of Membrane Science</i> , <b>2020</b> , 598, 117672	9.6	99
384	Simultaneous cooling and provision of make-up water by forward osmosis for post-combustion CO <sub>2</sub> capture. <i>Desalination</i> , <b>2020</b> , 476, 114215	10.3	4
383	Genome sequencing as a new window into the microbial community of membrane bioreactors - A critical review. <i>Science of the Total Environment</i> , <b>2020</b> , 704, 135279	10.2	18
382	Nanofiltration membranes prepared from pristine and functionalised multiwall carbon nanotubes/biopolymer composites for water treatment applications. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 9080-9092	5.5	9
381	Anaerobic membrane bioreactors: An introduction <b>2020</b> , 1-24		1
380	Advanced anaerobic membrane bioreactors: Performance enhancers and their hybrid systems <b>2020</b> , 109-142		1
379	Per- and polyfluoroalkyl substances in soil and sediments: Occurrence, fate, remediation and future outlook. <i>Science of the Total Environment</i> , <b>2020</b> , 748, 141251	10.2	34
378	Acetic acid extraction from rumen fluid by forward osmosis. <i>Environmental Technology and Innovation</i> , <b>2020</b> , 20, 101083	7	3
377	Impacts of sulfadiazine on the performance and membrane fouling of a hybrid moving bed biofilm reactor-membrane bioreactor system at different C/N ratios. <i>Bioresource Technology</i> , <b>2020</b> , 318, 124180 <sup>11</sup>		6
376	Contemporary Methods for Removal of Nonsteroidal Anti-inflammatory Drugs in Water Reclamations. <i>Handbook of Environmental Chemistry</i> , <b>2020</b> , 217-239	0.8	1
375	Extraction of strategically important elements from brines: Constraints and opportunities. <i>Water Research</i> , <b>2020</b> , 168, 115149	12.5	31
374	Aerobic membrane bioreactors and micropollutant removal <b>2020</b> , 147-162		
373	Anaerobic membrane bioreactors for emerging pollutants removal <b>2020</b> , 197-218		2
372	Nutrient recovery in anaerobic membrane bioreactors <b>2020</b> , 283-307		1
371	Lithium enrichment from a simulated salt lake brine using an integrated nanofiltration-membrane distillation process. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 103395	6.8	19
370	Validation of a cationic polyacrylamide flocculant for the harvesting fresh and seawater microalgal biomass. <i>Environmental Technology and Innovation</i> , <b>2019</b> , 16, 100466	7	18
369	Pesticides in stormwater runoff: A mini review. <i>Frontiers of Environmental Science and Engineering</i> , <b>2019</b> , 13, 1	5.8	15
368	Free ammonia pretreatment improves anaerobic methane generation from algae. <i>Water Research</i> , <b>2019</b> , 162, 269-275	12.5	36



367	Insights into biofilm carriers for biological wastewater treatment processes: Current state-of-the-art, challenges, and opportunities. <i>Bioresource Technology</i> , <b>2019</b> , 288, 121619	11	77
366	Mechanisms of free nitrous acid and freezing co-pretreatment enhancing short-chain fatty acids production from waste activated sludge anaerobic fermentation. <i>Chemosphere</i> , <b>2019</b> , 230, 536-543	8.4	5
365	Pilot-scale operation experience of anaerobic Co-digestion for possible full scale implementation. <i>International Biodeterioration and Biodegradation</i> , <b>2019</b> , 142, 137-142	4.8	4
364	A novel application of membrane distillation to facilitate nickel recovery from electroplating wastewater. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 23407-23415	5.1	17
363	Membrane distillation crystallization for brine mining and zero liquid discharge: opportunities, challenges, and recent progress. <i>Environmental Science: Water Research and Technology</i> , <b>2019</b> , 5, 1202-1221	4.2	36
362	Organic carbon source-dependent properties of soluble microbial products in sequencing batch reactors and its effects on membrane fouling. <i>Journal of Environmental Management</i> , <b>2019</b> , 244, 40-47	7.9	13
361	Scaling mitigation in membrane distillation: From superhydrophobic to slippery. <i>Desalination</i> , <b>2019</b> , 466, 36-43	10.3	69
360	Application of rumen and anaerobic sludge microbes for bio harvesting from lignocellulosic biomass. <i>Chemosphere</i> , <b>2019</b> , 228, 702-708	8.4	30
359	3D printed spacers for organic fouling mitigation in membrane distillation. <i>Journal of Membrane Science</i> , <b>2019</b> , 581, 331-343	9.6	41
358	Selective production of volatile fatty acids at different pH in an anaerobic membrane bioreactor. <i>Bioresource Technology</i> , <b>2019</b> , 283, 120-128	11	34
357	Insight into greenhouse gases emissions from the two popular treatment technologies in municipal wastewater treatment processes. <i>Science of the Total Environment</i> , <b>2019</b> , 671, 1302-1313	10.2	43
356	Degradation of diclofenac, trimethoprim, carbamazepine, and sulfamethoxazole by laccase from <i>Trametes versicolor</i> : Transformation products and toxicity of treated effluent. <i>Biocatalysis and Biotransformation</i> , <b>2019</b> , 37, 399-408	2.5	34
355	Activated carbon preparation from biomass feedstock: Clean production and carbon dioxide adsorption. <i>Journal of Cleaner Production</i> , <b>2019</b> , 225, 405-413	10.3	86
354	Applications of Membrane Bioreactors in Biotechnology Processes <b>2019</b> , 223-257		4
353	Impacts of mixing on foaming, methane production, stratification and microbial community in full-scale anaerobic co-digestion process. <i>Bioresource Technology</i> , <b>2019</b> , 281, 226-233	11	15
352	Thermophilic anaerobic digestion of model organic wastes: Evaluation of biomethane production and multiple kinetic models analysis. <i>Bioresource Technology</i> , <b>2019</b> , 280, 269-276	11	44
351	Effect of organic loading rate on the recovery of nutrients and energy in a dual-chamber microbial fuel cell. <i>Bioresource Technology</i> , <b>2019</b> , 281, 367-373	11	43
350	Effects of fouling on separation performance by forward osmosis: the role of specific organic foulants. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 33758-33769	5.1	6

349	Microbial fuel cell for nutrient recovery and electricity generation from municipal wastewater under different ammonium concentrations. <i>Bioresource Technology</i> , <b>2019</b> , 292, 121992	11	22
348	Membrane Processes for the Regeneration of Liquid Desiccant Solution for Air Conditioning. <i>Current Pollution Reports</i> , <b>2019</b> , 5, 308-318	7.6	11
347	Seawater-driven forward osmosis for pre-concentrating nutrients in digested sludge centrate. <i>Journal of Environmental Management</i> , <b>2019</b> , 247, 135-139	7.9	15
346	Occurrence and risk assessment of multiple classes of antibiotics in urban canals and lakes in Hanoi, Vietnam. <i>Science of the Total Environment</i> , <b>2019</b> , 692, 157-174	10.2	81
345	New insights into the relationship between draw solution chemistry and trace organic rejection by forward osmosis. <i>Journal of Membrane Science</i> , <b>2019</b> , 587, 117184	9.6	23
344	Application of a novel molecular technique to characterise the effect of settling on microbial community composition of activated sludge. <i>Journal of Environmental Management</i> , <b>2019</b> , 251, 109594	7.9	9
343	Do Microplastics Affect Biological Wastewater Treatment Performance? Implications from Bacterial Activity Experiments. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 20097-20101	8.3	28
342	From the Laboratory to Full-Scale Applications of Forward Osmosis: Research Challenges and Opportunities. <i>Current Pollution Reports</i> , <b>2019</b> , 5, 337-352	7.6	9
341	Occurrence and bioconcentration of micropollutants in Silver Perch ( <i>Bidyanus bidyanus</i> ) in a reclaimed water reservoir. <i>Science of the Total Environment</i> , <b>2019</b> , 650, 585-593	10.2	16
340	Transport of N-Nitrosamines through a Reverse Osmosis Membrane: Role of Molecular Size and Nitrogen Atoms. <i>Environmental Science and Technology Letters</i> , <b>2019</b> , 6, 44-48	11	17
339	Integrity of reverse osmosis membrane for removing bacteria: new insight into bacterial passage. <i>Environmental Science: Water Research and Technology</i> , <b>2019</b> , 5, 239-245	4.2	9
338	Cometabolic biotransformation and impacts of the anti-inflammatory drug diclofenac on activated sludge microbial communities. <i>Science of the Total Environment</i> , <b>2019</b> , 657, 739-745	10.2	29
337	Microbial Community in Anaerobic Digestion System: Progression in Microbial Ecology. <i>Energy, Environment, and Sustainability</i> , <b>2019</b> , 331-355	0.8	6
336	Influence of thermal hydrolysis pretreatment on physicochemical properties and anaerobic biodegradability of waste activated sludge with different solids content. <i>Waste Management</i> , <b>2019</b> , 85, 214-221	8.6	54
335	Effects of operational disturbance and subsequent recovery process on microbial community during a pilot-scale anaerobic co-digestion. <i>International Biodeterioration and Biodegradation</i> , <b>2019</b> , 138, 70-77	4.8	9
334	Free Ammonia Pretreatment To Improve Bio-hydrogen Production from Anaerobic Dark Fermentation of Microalgae. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 1642-1647	8.3	22
333	Optimization of hydraulic retention time and organic loading rate for volatile fatty acid production from low strength wastewater in an anaerobic membrane bioreactor. <i>Bioresource Technology</i> , <b>2019</b> , 271, 100-108	11	32
332	Feasibility study on a double chamber microbial fuel cell for nutrient recovery from municipal wastewater. <i>Chemical Engineering Journal</i> , <b>2019</b> , 358, 236-242	14.7	57

331	Zeolite powder based polyurethane sponges as biocarriers in moving bed biofilm reactor for improving nitrogen removal of municipal wastewater. <i>Science of the Total Environment</i> , <b>2019</b> , 651, 1078-1086	10.3	56
330	Understanding the mechanisms of trace organic contaminant removal by high retention membrane bioreactors: a critical review. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 34085-34100	5.1	22
329	Impact of inorganic salts on degradation of bisphenol A and diclofenac by crude extracellular enzyme from <i>Pleurotus ostreatus</i> . <i>Biocatalysis and Biotransformation</i> , <b>2019</b> , 37, 10-17	2.5	8
328	Transport of small and neutral solutes through reverse osmosis membranes: Role of skin layer conformation of the polyamide film. <i>Journal of Membrane Science</i> , <b>2018</b> , 554, 301-308	9.6	22
327	Impact of Pharmaceutically Active Compounds in Marine Environment on Aquaculture <b>2018</b> , 265-299		6
326	A critical review on membrane hybrid system for nutrient recovery from wastewater. <i>Chemical Engineering Journal</i> , <b>2018</b> , 348, 143-156	14.7	105
325	Anaerobic digestion of soft drink beverage waste and sewage sludge. <i>Bioresource Technology</i> , <b>2018</b> , 262, 141-147	11	23
324	An anaerobic membrane bioreactor - membrane distillation hybrid system for energy recovery and water reuse: Removal performance of organic carbon, nutrients, and trace organic contaminants. <i>Science of the Total Environment</i> , <b>2018</b> , 628-629, 358-365	10.2	61
323	Effects of COD/N ratio on soluble microbial products in effluent from sequencing batch reactors and subsequent membrane fouling. <i>Water Research</i> , <b>2018</b> , 134, 13-21	12.5	47
322	Emerging investigators series: a steric pore-flow model to predict the transport of small and uncharged solutes through a reverse osmosis membrane. <i>Environmental Science: Water Research and Technology</i> , <b>2018</b> , 4, 493-504	4.2	3
321	The fate of trace organic contaminants during anaerobic digestion of primary sludge: A pilot scale study. <i>Bioresource Technology</i> , <b>2018</b> , 256, 384-390	11	41
320	Physical cleaning techniques to control fouling during the pre-concentration of high suspended-solid content solutions for resource recovery by forward osmosis. <i>Desalination</i> , <b>2018</b> , 429, 134-141	10.3	23
319	Trace organic contaminant rejection by aquaporin forward osmosis membrane: Transport mechanisms and membrane stability. <i>Water Research</i> , <b>2018</b> , 132, 90-98	12.5	56
318	Assessing the integration of forward osmosis and anaerobic digestion for simultaneous wastewater treatment and resource recovery. <i>Bioresource Technology</i> , <b>2018</b> , 260, 221-226	11	25
317	Applicability of an integrated moving sponge biocarrier-osmotic membrane bioreactor MD system for saline wastewater treatment using highly salt-tolerant microorganisms. <i>Separation and Purification Technology</i> , <b>2018</b> , 198, 93-99	8.3	19
316	Exploration of an innovative draw solution for a forward osmosis-membrane distillation desalination process. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 5203-5211	5.1	20
315	Effect of magnetic powder on membrane fouling mitigation and microbial community/composition in membrane bioreactors (MBRs) for municipal wastewater treatment. <i>Bioresource Technology</i> , <b>2018</b> , 249, 377-385	11	26
314	Effect of hydraulic retention time on the performance of a hybrid moving bed biofilm reactor-membrane bioreactor system for micropollutants removal from municipal wastewater. <i>Bioresource Technology</i> , <b>2018</b> , 247, 1228-1232	11	49

313	Biocatalytic degradation of pharmaceuticals, personal care products, industrial chemicals, steroid hormones and pesticides in a membrane distillation-enzymatic bioreactor. <i>Bioresource Technology</i> , <b>2018</b> , 247, 528-536	11	59
312	Biomimetic aquaporin membranes for osmotic membrane bioreactors: Membrane performance and contaminant removal. <i>Bioresource Technology</i> , <b>2018</b> , 249, 62-68	11	68
311	Anaerobic membrane bioreactors for antibiotic wastewater treatment: Performance and membrane fouling issues. <i>Bioresource Technology</i> , <b>2018</b> , 267, 714-724	11	98
310	Free Ammonia Pretreatment to Enhance Biodegradation of Anaerobically Digested Sludge in Post Aerobic Digestion. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 11836-11842	8.3	5
309	Impact of simultaneous retention of micropollutants and laccase on micropollutant degradation in enzymatic membrane bioreactor. <i>Bioresource Technology</i> , <b>2018</b> , 267, 473-480	11	25
308	A critical review on ammonium recovery from wastewater for sustainable wastewater management. <i>Bioresource Technology</i> , <b>2018</b> , 268, 749-758	11	101
307	Aerobic biotransformation of the antibiotic ciprofloxacin by Bradyrhizobium sp. isolated from activated sludge. <i>Chemosphere</i> , <b>2018</b> , 211, 600-607	8.4	38
306	Water Reclamation Using a Ceramic Nanofiltration Membrane and Surface Flushing with Ozonated Water. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	9
305	Current status and perspectives on anaerobic co-digestion and associated downstream processes. <i>Environmental Science: Water Research and Technology</i> , <b>2018</b> , 4, 1759-1770	4.2	31
304	A novel mechanistic model for nitrogen removal in algal-bacterial photo sequencing batch reactors. <i>Bioresource Technology</i> , <b>2018</b> , 267, 502-509	11	10
303	Specific approach for membrane fouling control and better treatment performance of an anaerobic submerged membrane bioreactor. <i>Bioresource Technology</i> , <b>2018</b> , 268, 658-664	11	15
302	Sorptive removal of dissolved organic matter in biologically-treated effluent by functionalized biochar and carbon nanotubes: Importance of sorbent functionality. <i>Bioresource Technology</i> , <b>2018</b> , 269, 9-17	11	23
301	Insights into the roles of recently developed coagulants as pretreatment to remove effluent organic matter for membrane fouling mitigation. <i>Journal of Membrane Science</i> , <b>2018</b> , 564, 643-652	9.6	42
300	Removal and degradation mechanisms of sulfonamide antibiotics in a new integrated aerobic submerged membrane bioreactor system. <i>Bioresource Technology</i> , <b>2018</b> , 268, 599-607	11	26
299	Potable Water Reuse through Advanced Membrane Technology. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 10215-10223	10.3	203
298	Moringa oleifera coagulation as pretreatment prior to microfiltration for membrane fouling mitigation. <i>Environmental Science: Water Research and Technology</i> , <b>2018</b> , 4, 1604-1611	4.2	12
297	Membrane distillation to regenerate different liquid desiccant solutions for air conditioning. <i>Desalination</i> , <b>2018</b> , 443, 137-142	10.3	22
296	A novel electrospun, hydrophobic, and elastomeric styrene-butadiene-styrene membrane for membrane distillation applications. <i>Journal of Membrane Science</i> , <b>2018</b> , 549, 420-427	9.6	49

295	Effects of sulphur on the performance of an anaerobic membrane bioreactor: Biological stability, trace organic contaminant removal, and membrane fouling. <i>Bioresource Technology</i> , <b>2018</b> , 250, 171-177	11	34
294	Impact of anaerobic co-digestion between sewage sludge and carbon-rich organic waste on microbial community resilience. <i>Environmental Science: Water Research and Technology</i> , <b>2018</b> , 4, 1956-1965	4.2	12
293	Biofouling Mitigation by Chloramination during Forward Osmosis Filtration of Wastewater. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	6
292	Low Carbon Desalination by Innovative Membrane Materials and Processes. <i>Current Pollution Reports</i> , <b>2018</b> , 4, 251-264	7.6	6
291	Online monitoring of N-nitrosodimethylamine for the removal assurance of 1,4-dioxane and other trace organic compounds by reverse osmosis. <i>Environmental Science: Water Research and Technology</i> , <b>2018</b> , 4, 2021-2028	4.2	9
290	Resource recovery from wastewater by anaerobic membrane bioreactors: Opportunities and challenges. <i>Bioresource Technology</i> , <b>2018</b> , 270, 669-677	11	98
289	Can membrane bioreactor be a smart option for water treatment?. <i>Bioresource Technology Reports</i> , <b>2018</b> , 4, 80-87	4.1	26
288	Performance of a seawater-driven forward osmosis process for pre-concentrating digested sludge centrate: organic enrichment and membrane fouling. <i>Environmental Science: Water Research and Technology</i> , <b>2018</b> , 4, 1047-1056	4.2	14
287	Challenges in the application of microbial fuel cells to wastewater treatment and energy production: A mini review. <i>Science of the Total Environment</i> , <b>2018</b> , 639, 910-920	10.2	152
286	Progress in the biological and chemical treatment technologies for emerging contaminant removal from wastewater: A critical review. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 323, 274-298	12.8	617
285	Evaluating the sustainability of free water surface flow constructed wetlands: Methane and nitrous oxide emissions. <i>Journal of Cleaner Production</i> , <b>2017</b> , 147, 152-156	10.3	48
284	Nanofiltration applications of tough MWNT buckypaper membranes containing biopolymers. <i>Journal of Membrane Science</i> , <b>2017</b> , 529, 23-34	9.6	18
283	Forward osmosis as a platform for resource recovery from municipal wastewater - A critical assessment of the literature. <i>Journal of Membrane Science</i> , <b>2017</b> , 529, 195-206	9.6	134
282	Full scale co-digestion of wastewater sludge and food waste: Bottlenecks and possibilities. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 72, 354-362	16.2	179
281	Degradation of Pharmaceuticals and Personal Care Products by White-Rot Fungi: Critical Review. <i>Current Pollution Reports</i> , <b>2017</b> , 3, 88-103	7.6	83
280	Fate of trace organic contaminants in oxic-settling-anoxic (OSA) process applied for biosolids reduction during wastewater treatment. <i>Bioresource Technology</i> , <b>2017</b> , 240, 181-191	11	15
279	Effects of shearing on biogas production and microbial community structure during anaerobic digestion with recuperative thickening. <i>Bioresource Technology</i> , <b>2017</b> , 234, 439-447	11	27
278	Removal of antibiotics in sponge membrane bioreactors treating hospital wastewater: Comparison between hollow fiber and flat sheet membrane systems. <i>Bioresource Technology</i> , <b>2017</b> , 240, 42-49	11	51



277	The fate of trace organic contaminants in sewage sludge during recuperative thickening anaerobic digestion. <i>Bioresource Technology</i> , <b>2017</b> , 240, 197-206	11	16
276	Hollow fibre membrane contactors for ammonia recovery: Current status and future developments. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 1349-1359	6.8	87
275	Relationship between the synergistic/antagonistic effect of anaerobic co-digestion and organic loading. <i>International Biodeterioration and Biodegradation</i> , <b>2017</b> , 124, 155-161	4.8	18
274	A new approach for concurrently improving performance of South Korean food waste valorization and renewable energy recovery via dry anaerobic digestion under mesophilic and thermophilic conditions. <i>Waste Management</i> , <b>2017</b> , 66, 161-168	8.6	28
273	Enhanced biogas production and performance assessment of a full-scale anaerobic digester with acid phase digestion. <i>International Biodeterioration and Biodegradation</i> , <b>2017</b> , 124, 162-168	4.8	9
272	Lithium extraction from Chinese salt-lake brines: opportunities, challenges, and future outlook. <i>Environmental Science: Water Research and Technology</i> , <b>2017</b> , 3, 593-597	4.2	82
271	Effects of thermal pre-treatment and recuperative thickening on the fate of trace organic contaminants during anaerobic digestion of sewage sludge. <i>International Biodeterioration and Biodegradation</i> , <b>2017</b> , 124, 146-154	4.8	24
270	Greenhouse gas emissions from different pig manure management techniques: a critical analysis. <i>Frontiers of Environmental Science and Engineering</i> , <b>2017</b> , 11, 1	5.8	63
269	Phenol rejection by cellulose triacetate and thin film composite forward osmosis membranes. <i>Separation and Purification Technology</i> , <b>2017</b> , 186, 45-54	8.3	21
268	Evaluation of fertilizer-drawn forward osmosis for coal seam gas reverse osmosis brine treatment and sustainable agricultural reuse. <i>Journal of Membrane Science</i> , <b>2017</b> , 537, 22-31	9.6	43
267	Osmotic membrane bioreactors for wastewater reuse: Performance comparison between cellulose triacetate and polyamide thin film composite membranes. <i>Journal of Membrane Science</i> , <b>2017</b> , 539, 383-391	9.6	35
266	Role of membrane fouling substances on the rejection of N-nitrosamines by reverse osmosis. <i>Water Research</i> , <b>2017</b> , 118, 187-195	12.5	14
265	New and practical mathematical model of membrane fouling in an aerobic submerged membrane bioreactor. <i>Bioresource Technology</i> , <b>2017</b> , 238, 86-94	11	36
264	Liquid desiccant lithium chloride regeneration by membrane distillation for air conditioning. <i>Separation and Purification Technology</i> , <b>2017</b> , 177, 121-128	8.3	46
263	Enhanced efficiency for better wastewater sludge hydrolysis conversion through ultrasonic hydrolytic pretreatment. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 71, 244-252	5.3	15
262	Behavior of nitrogen removal in an aerobic sponge based moving bed biofilm reactor. <i>Bioresource Technology</i> , <b>2017</b> , 245, 1282-1285	11	27
261	Photolysis and UV/H <sub>2</sub> O <sub>2</sub> of diclofenac, sulfamethoxazole, carbamazepine, and trimethoprim: Identification of their major degradation products by ESI-MS and assessment of the toxicity of reaction mixtures. <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 112, 222-234	5.5	66
260	The role of microbial diversity and composition in minimizing sludge production in the oxic-settling-anoxic process. <i>Science of the Total Environment</i> , <b>2017</b> , 607-608, 558-567	10.2	23

259	Membrane fouling, chemical cleaning and separation performance assessment of a chlorine-resistant nanofiltration membrane for water recycling applications. <i>Separation and Purification Technology</i> , <b>2017</b> , 189, 170-175	8.3	33
258	Assessing the performance of solar thermal driven membrane distillation for seawater desalination by computer simulation. <i>Journal of Membrane Science</i> , <b>2017</b> , 542, 133-142	9.6	33
257	An Osmotic Membrane Bioreactor-Membrane Distillation System for Simultaneous Wastewater Reuse and Seawater Desalination: Performance and Implications. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 14311-14320	10.3	47
256	Photolytic and photocatalytic degradation of organic UV filters in contaminated water. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2017</b> , 6, 85-92	7.9	15
255	Continuous transformation of chiral pharmaceuticals in enzymatic membrane bioreactors for advanced wastewater treatment. <i>Water Science and Technology</i> , <b>2017</b> , 76, 1816-1826	2.2	15
254	Integration of an enzymatic bioreactor with membrane distillation for enhanced biodegradation of trace organic contaminants. <i>International Biodeterioration and Biodegradation</i> , <b>2017</b> , 124, 73-81	4.8	22
253	Impact of wastewater derived dissolved interfering compounds on growth, enzymatic activity and trace organic contaminant removal of white rot fungi - A critical review. <i>Journal of Environmental Management</i> , <b>2017</b> , 201, 89-109	7.9	37
252	The role of the surfactant sodium dodecyl sulfate to dynamically reduce mass transfer resistance of SPEEK coated membrane for oil-in-water emulsion treatment. <i>Journal of Membrane Science</i> , <b>2017</b> , 541, 9-18	9.6	24
251	Holistic sludge management through ozonation: A critical review. <i>Journal of Environmental Management</i> , <b>2017</b> , 185, 79-95	7.9	26
250	Osmotic versus conventional membrane bioreactors integrated with reverse osmosis for water reuse: Biological stability, membrane fouling, and contaminant removal. <i>Water Research</i> , <b>2017</b> , 109, 122-134	12.5	128
249	Insight into chemical phosphate recovery from municipal wastewater. <i>Science of the Total Environment</i> , <b>2017</b> , 576, 159-171	10.2	147
248	Thin-film composite forward osmosis membranes functionalized with graphene oxide-silver nanocomposites for biofouling control. <i>Journal of Membrane Science</i> , <b>2017</b> , 525, 146-156	9.6	137
247	Synergistic effect from anaerobic co-digestion of sewage sludge and organic wastes. <i>International Biodeterioration and Biodegradation</i> , <b>2017</b> , 116, 191-197	4.8	96
246	Factors governing mass transfer during membrane electrodialysis regeneration of LiCl solution for liquid desiccant dehumidification systems. <i>Sustainable Cities and Society</i> , <b>2017</b> , 28, 30-41	10.1	28
245	Aerobic Treatment of Effluents From the Aquaculture Industry <b>2017</b> , 35-77		1
244	By-products of Anaerobic Treatment: Methane and Digestate From Manures and Cosubstrates <b>2017</b> , 469-484		4
243	Degradation of Trace Organic Contaminants by a Membrane Distillation-Enzymatic Bioreactor. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 879	2.6	16
242	Synthesis and characterisation of MWNT/chitosan and MWNT/chitosan-crosslinked buckypaper membranes for desalination. <i>Desalination</i> , <b>2017</b> , 418, 60-70	10.3	32



241	Microbial community characteristics during simultaneous nitrification-denitrification process: effect of COD/TP ratio. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 2557-65	5.1	15
240	Optimization of process parameters for production of volatile fatty acid, biohydrogen and methane from anaerobic digestion. <i>Bioresource Technology</i> , <b>2016</b> , 219, 738-748	11	177
239	Effect of filling fraction on the performance of sponge-based moving bed biofilm reactor. <i>Bioresource Technology</i> , <b>2016</b> , 219, 762-767	11	54
238	Insight into biological phosphate recovery from sewage. <i>Bioresource Technology</i> , <b>2016</b> , 218, 874-81	11	45
237	Performance of a microbial fuel cell-based biosensor for online monitoring in an integrated system combining microbial fuel cell and upflow anaerobic sludge bed reactor. <i>Bioresource Technology</i> , <b>2016</b> , 218, 286-93	11	39
236	A rapid and reliable technique for N-nitrosodimethylamine analysis in reclaimed water by HPLC-photochemical reaction-chemiluminescence. <i>Chemosphere</i> , <b>2016</b> , 161, 104-111	8.4	24
235	Effects of salinity build-up on the performance of an anaerobic membrane bioreactor regarding basic water quality parameters and removal of trace organic contaminants. <i>Bioresource Technology</i> , <b>2016</b> , 216, 399-405	11	59
234	Biological performance and trace organic contaminant removal by a side-stream ceramic nanofiltration membrane bioreactor. <i>International Biodeterioration and Biodegradation</i> , <b>2016</b> , 113, 49-56 <sup>4.8</sup>		15
233	Factors governing the pre-concentration of wastewater using forward osmosis for subsequent resource recovery. <i>Science of the Total Environment</i> , <b>2016</b> , 566-567, 559-566	10.2	43
232	Impacts of redox-mediator type on trace organic contaminants degradation by laccase: Degradation efficiency, laccase stability and effluent toxicity. <i>International Biodeterioration and Biodegradation</i> , <b>2016</b> , 113, 169-176	4.8	69
231	The effect of aging on thermomechanical and metal extraction properties of poly (vinyl chloride)/Aliquat 336 polymer inclusion membranes. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 3298-3303		2
230	Innovative sponge-based moving bed-osmotic membrane bioreactor hybrid system using a new class of draw solution for municipal wastewater treatment. <i>Water Research</i> , <b>2016</b> , 91, 305-13	12.5	61
229	Continuous adsorption and biotransformation of micropollutants by granular activated carbon-bound laccase in a packed-bed enzyme reactor. <i>Bioresource Technology</i> , <b>2016</b> , 210, 108-16	11	94
228	Biosolids reduction by the oxic-settling-anoxic process: Impact of sludge interchange rate. <i>Bioresource Technology</i> , <b>2016</b> , 210, 167-73	11	30
227	Removal of volatile organic compounds (VOCs) from groundwater by reverse osmosis and nanofiltration. <i>Journal of Water Process Engineering</i> , <b>2016</b> , 9, 9-21	6.7	22
226	Biodegradation of cellulose triacetate and polyamide forward osmosis membranes in an activated sludge bioreactor: Observations and implications. <i>Journal of Membrane Science</i> , <b>2016</b> , 510, 284-292	9.6	38
225	Special issue on Challenges in Environmental Science and Engineering (CESE-2014) 12-16 October 2014, Johor Bahru, Malaysia. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 7605-7606		
224	Performance evaluation of powdered activated carbon for removing 28 types of antibiotics from water. <i>Journal of Environmental Management</i> , <b>2016</b> , 172, 193-200	7.9	89

223	Modified centrifugal technique for determining polymer demand and achievable dry solids content in the dewatering of anaerobically digested sludge. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 25509-25519	13
222	Exploring high charge of phosphate as new draw solute in a forward osmosis-membrane distillation hybrid system for concentrating high-nutrient sludge. <i>Science of the Total Environment</i> , <b>2016</b> , 557-558, 44-50	10.2 42
221	New functional biocarriers for enhancing the performance of a hybrid moving bed biofilm reactor-membrane bioreactor system. <i>Bioresource Technology</i> , <b>2016</b> , 208, 87-93	11 82
220	Bacterial community dynamics in an anoxic-aerobic membrane bioreactor – Impact on nutrient and trace organic contaminant removal. <i>International Biodeterioration and Biodegradation</i> , <b>2016</b> , 109, 61-72	4.8 50
219	Effects of hydraulic retention time and biofloculant addition on membrane fouling in a sponge-submerged membrane bioreactor. <i>Bioresource Technology</i> , <b>2016</b> , 210, 11-7	11 40
218	Using electro dialysis for regeneration of aqueous lithium chloride solution in liquid desiccant air conditioning systems. <i>Energy and Buildings</i> , <b>2016</b> , 116, 285-295	7 52
217	Phosphorus recovery from digested sludge centrate using seawater-driven forward osmosis. <i>Separation and Purification Technology</i> , <b>2016</b> , 163, 1-7	8.3 71
216	A novel osmosis membrane bioreactor-membrane distillation hybrid system for wastewater treatment and reuse. <i>Bioresource Technology</i> , <b>2016</b> , 209, 8-15	11 48
215	Occurrence of trace organic contaminants in wastewater sludge and their removals by anaerobic digestion. <i>Bioresource Technology</i> , <b>2016</b> , 210, 153-9	11 74
214	Effects of salinity build-up on the performance and bacterial community structure of a membrane bioreactor. <i>Bioresource Technology</i> , <b>2016</b> , 200, 305-10	11 65
213	Phosphorus and water recovery by a novel osmotic membrane bioreactor-reverse osmosis system. <i>Bioresource Technology</i> , <b>2016</b> , 200, 297-304	11 89
212	Laccase-syringaldehyde-mediated degradation of trace organic contaminants in an enzymatic membrane reactor: Removal efficiency and effluent toxicity. <i>Bioresource Technology</i> , <b>2016</b> , 200, 477-84	11 59
211	Membrane distillation and membrane electrolysis of coal seam gas reverse osmosis brine for clean water extraction and NaOH production. <i>Desalination</i> , <b>2016</b> , 397, 108-115	10.3 37
210	Membrane scaling and prevention techniques during seawater desalination by air gap membrane distillation. <i>Desalination</i> , <b>2016</b> , 397, 92-100	10.3 50
209	Removal of Trace Organic Contaminants by Integrated Membrane Processes for Water Reuse Applications <b>2016</b> , 533-578	4
208	Removal of Emerging Contaminants for Water Reuse by Membrane Technology <b>2016</b> , 217-247	10
207	Evaluating ionic organic draw solutes in osmotic membrane bioreactors for water reuse. <i>Journal of Membrane Science</i> , <b>2016</b> , 514, 636-645	9.6 53
206	Ozonation of carbamazepine, diclofenac, sulfamethoxazole and trimethoprim and formation of major oxidation products. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 29340-29351	42

205	Characteristics and cadmium extraction performance of PVC/Aliquat 336 electrospun fibres in comparison with polymer inclusion membranes. <i>Separation Science and Technology</i> , <b>2016</b> , 1-8	2.5	2
204	Challenges in biogas production from anaerobic membrane bioreactors. <i>Renewable Energy</i> , <b>2016</b> , 98, 120-134	8.1	102
203	Graphene/PVDF flat-sheet membrane for the treatment of RO brine from coal seam gas produced water by air gap membrane distillation. <i>Journal of Membrane Science</i> , <b>2016</b> , 513, 74-84	9.6	80
202	Biomethane potential evaluation of co-digestion of sewage sludge and organic wastes. <i>International Biodeterioration and Biodegradation</i> , <b>2016</b> , 113, 3-8	4.8	44
201	Water reclamation and nitrogen extraction from municipal solid waste landfill leachate. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 29220-29227		6
200	Evaluating energy consumption of air gap membrane distillation for seawater desalination at pilot scale level. <i>Separation and Purification Technology</i> , <b>2016</b> , 166, 55-62	8.3	111
199	Biofouling Mitigation in Forward Osmosis Using Graphene Oxide Functionalized Thin-Film Composite Membranes. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 5840-8	10.3	141
198	Effects of sludge retention time on oxic-settling-anoxic process performance: Biosolids reduction and dewatering properties. <i>Bioresource Technology</i> , <b>2016</b> , 218, 1187-94	11	23
197	Dry thermophilic semi-continuous anaerobic digestion of food waste: Performance evaluation, modified Gompertz model analysis, and energy balance. <i>Energy Conversion and Management</i> , <b>2016</b> , 128, 203-210	10.6	51
196	Anaerobic co-digestion: A critical review of mathematical modelling for performance optimization. <i>Bioresource Technology</i> , <b>2016</b> , 222, 498-512	11	129
195	Treatment of shale gas drilling flowback fluids (SGDFs) by forward osmosis: Membrane fouling and mitigation. <i>Desalination</i> , <b>2015</b> , 366, 113-120	10.3	99
194	Exploring an innovative surfactant and phosphate-based draw solution for forward osmosis desalination. <i>Journal of Membrane Science</i> , <b>2015</b> , 489, 212-219	9.6	45
193	Evaluation of micropollutant removal and fouling reduction in a hybrid moving bed biofilm reactor-membrane bioreactor system. <i>Bioresource Technology</i> , <b>2015</b> , 191, 355-9	11	77
192	Impact of hazardous events on the removal of nutrients and trace organic contaminants by an anoxic-aerobic membrane bioreactor receiving real wastewater. <i>Bioresource Technology</i> , <b>2015</b> , 192, 192-201	11	16
191	Role of pressure in organic fouling in forward osmosis and reverse osmosis. <i>Journal of Membrane Science</i> , <b>2015</b> , 493, 748-754	9.6	136
190	Scaling control during membrane distillation of coal seam gas reverse osmosis brine. <i>Journal of Membrane Science</i> , <b>2015</b> , 493, 673-682	9.6	81
189	Optimising thermal efficiency of direct contact membrane distillation by brine recycling for small-scale seawater desalination. <i>Desalination</i> , <b>2015</b> , 374, 1-9	10.3	82
188	Trace organic contaminants in biosolids: Impact of conventional wastewater and sludge processing technologies and emerging alternatives. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 300, 1-17	12.8	93

187	Nutrient and trace organic contaminant removal from wastewater of a resort town: Comparison between a pilot and a full scale membrane bioreactor. <i>International Biodeterioration and Biodegradation</i> , <b>2015</b> , 102, 40-48	4.8	45
186	Water extraction from mixed liquor of an aerobic bioreactor by forward osmosis: Membrane fouling and biomass characteristics assessment. <i>Separation and Purification Technology</i> , <b>2015</b> , 145, 56-62	8.3	57
185	Development of a predictive framework to assess the removal of trace organic chemicals by anaerobic membrane bioreactor. <i>Bioresource Technology</i> , <b>2015</b> , 189, 391-398	11	85
184	Applicability of a novel osmotic membrane bioreactor using a specific draw solution in wastewater treatment. <i>Science of the Total Environment</i> , <b>2015</b> , 518-519, 586-94	10.2	38
183	Comparison between oily and coal seam gas produced water with respect to quantity, characteristics and treatment technologies: a review. <i>Desalination and Water Treatment</i> , <b>2015</b> , 54, 1793-1808		23
182	Fouling control of a ceramic microfiltration membrane for direct sewer mining by backwashing with ozonated water. <i>Separation and Purification Technology</i> , <b>2015</b> , 142, 268-273	8.3	16
181	Coal seam gas produced water treatment by ultrafiltration, reverse osmosis and multi-effect distillation: A pilot study. <i>Separation and Purification Technology</i> , <b>2015</b> , 146, 94-100	8.3	39
180	Probing the internal structure of reverse osmosis membranes by positron annihilation spectroscopy: Gaining more insight into the transport of water and small solutes. <i>Journal of Membrane Science</i> , <b>2015</b> , 486, 106-118	9.6	89
179	Rejection and adsorption behaviour of phytoestrogens by nanofiltration and reverse osmosis membranes. <i>Desalination and Water Treatment</i> , <b>2015</b> , 54, 890-899		
178	Role of Reverse Divalent Cation Diffusion in Forward Osmosis Biofouling. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 13222-9	10.3	38
177	Membrane fouling reduction and improvement of sludge characteristics by bioflocculant addition in submerged membrane bioreactor. <i>Separation and Purification Technology</i> , <b>2015</b> , 156, 450-458	8.3	48
176	Rejection of trace organic chemicals by a nanofiltration membrane: the role of molecular properties and effects of caustic cleaning. <i>Environmental Science: Water Research and Technology</i> , <b>2015</b> , 1, 846-854	4.2	18
175	Osmotic dilution for sustainable greenwall irrigation by liquid fertilizer: Performance and implications. <i>Journal of Membrane Science</i> , <b>2015</b> , 494, 32-38	9.6	39
174	A new class of draw solutions for minimizing reverse salt flux to improve forward osmosis desalination. <i>Science of the Total Environment</i> , <b>2015</b> , 538, 129-36	10.2	50
173	Validating the rejection of trace organic chemicals by reverse osmosis membranes using a pilot-scale system. <i>Desalination</i> , <b>2015</b> , 358, 18-26	10.3	9
172	Effects of salinity build-up on biomass characteristics and trace organic chemical removal: implications on the development of high retention membrane bioreactors. <i>Bioresource Technology</i> , <b>2015</b> , 177, 274-81	11	58
171	Treatment of RO brine from CSG produced water by spiral-wound air gap membrane distillation □ A pilot study. <i>Desalination</i> , <b>2015</b> , 366, 121-129	10.3	156
170	Effects of iron salt addition on biosolids reduction by oxic-settling-anoxic (OSA) process. <i>International Biodeterioration and Biodegradation</i> , <b>2015</b> , 104, 391-400	4.8	19

169	Effect of heat treatment on fouling resistance and the rejection of small and neutral solutes by reverse osmosis membranes. <i>Water Science and Technology: Water Supply</i> , <b>2015</b> , 15, 510-516	1.4	14
168	Removal of Emerging Trace Organic Chemicals by Forward Osmosis <b>2015</b> , 363-394		
167	Selection of forward osmosis draw solutes for subsequent integration with anaerobic treatment to facilitate resource recovery from wastewater. <i>Bioresource Technology</i> , <b>2015</b> , 191, 30-6	11	65
166	Adsorptive removal of antibiotics from water and wastewater: Progress and challenges. <i>Science of the Total Environment</i> , <b>2015</b> , 532, 112-26	10.2	606
165	The role of forward osmosis and microfiltration in an integrated osmotic-microfiltration membrane bioreactor system. <i>Chemosphere</i> , <b>2015</b> , 136, 125-32	8.4	54
164	Biomass viability: An experimental study and the development of an empirical mathematical model for submerged membrane bioreactor. <i>Bioresource Technology</i> , <b>2015</b> , 190, 352-8	11	6
163	Rejection of trace organic chemicals by a hollow fibre cellulose triacetate reverse osmosis membrane. <i>Desalination</i> , <b>2015</b> , 368, 69-75	10.3	28
162	A sacrificial-layer approach to fabricate polysulfone support for forward osmosis thin-film composite membranes with reduced internal concentration polarisation. <i>Journal of Membrane Science</i> , <b>2015</b> , 481, 106-114	9.6	76
161	Degradation of a broad spectrum of trace organic contaminants by an enzymatic membrane reactor: Complementary role of membrane retention and enzymatic degradation. <i>International Biodeterioration and Biodegradation</i> , <b>2015</b> , 99, 115-122	4.8	50
160	In situ investigation of combined organic and colloidal fouling for nanofiltration membrane using ultrasonic time domain reflectometry. <i>Desalination</i> , <b>2015</b> , 362, 43-51	10.3	16
159	Chemical cleaning effects on properties and separation efficiency of an RO membrane. <i>Membrane Water Treatment</i> , <b>2015</b> , 6, 141-160		9
158	Removal and fate of micropollutants in a sponge-based moving bed bioreactor. <i>Bioresource Technology</i> , <b>2014</b> , 159, 311-9	11	66
157	A novel membrane distillation-thermophilic bioreactor system: biological stability and trace organic compound removal. <i>Bioresource Technology</i> , <b>2014</b> , 159, 334-41	11	61
156	Synthesis, properties, water and solute permeability of MWNT buckypapers. <i>Journal of Membrane Science</i> , <b>2014</b> , 456, 175-184	9.6	47
155	Rejection and fate of trace organic compounds (TrOCs) during membrane distillation. <i>Journal of Membrane Science</i> , <b>2014</b> , 453, 636-642	9.6	87
154	Modelling the rejection of N-nitrosamines by a spiral-wound reverse osmosis system: Mathematical model development and validation. <i>Journal of Membrane Science</i> , <b>2014</b> , 454, 212-219	9.6	18
153	A review on the occurrence of micropollutants in the aquatic environment and their fate and removal during wastewater treatment. <i>Science of the Total Environment</i> , <b>2014</b> , 473-474, 619-41	10.2	2205
152	Oxidation reduction potential as a parameter to regulate micro-oxygen injection into anaerobic digester for reducing hydrogen sulphide concentration in biogas. <i>Bioresource Technology</i> , <b>2014</b> , 173, 443-447	11	67

151	Water reclamation from shale gas drilling flow-back fluid using a novel forward osmosis-vacuum membrane distillation hybrid system. <i>Water Science and Technology</i> , <b>2014</b> , 69, 1036-44	2.2	80
150	Factors governing the rejection of trace organic contaminants by nanofiltration and reverse osmosis membranes. <i>Desalination and Water Treatment</i> , <b>2014</b> , 52, 589-599		18
149	Removal of dissolved organics from produced water by forward osmosis. <i>Desalination and Water Treatment</i> , <b>2014</b> , 52, 570-579		13
148	Nanofiltration of trace organic chemicals: A comparison between ceramic and polymeric membranes. <i>Separation and Purification Technology</i> , <b>2014</b> , 136, 258-264	8.3	59
147	Effects of organic and colloidal fouling on the rejection of two pharmaceutically active compounds (PhACs) by nanofiltration processes: role of membrane foulants. <i>Desalination and Water Treatment</i> , <b>2014</b> , 52, 633-642		4
146	Effects of chemical preservation on flux and solute rejection by reverse osmosis membranes. <i>Journal of Membrane Science</i> , <b>2014</b> , 472, 202-209	9.6	17
145	Removal of trace organic chemicals and performance of a novel hybrid ultrafiltration-osmotic membrane bioreactor. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 10859-68	10.3	110
144	Toward Resource Recovery from Wastewater: Extraction of Phosphorus from Digested Sludge Using a Hybrid Forward Osmosis Membrane Distillation Process. <i>Environmental Science and Technology Letters</i> , <b>2014</b> , 1, 191-195	11	196
143	Rejection of small solutes by reverse osmosis membranes for water reuse applications: A pilot-scale study. <i>Desalination</i> , <b>2014</b> , 350, 28-34	10.3	18
142	High retention membrane bioreactors: challenges and opportunities. <i>Bioresource Technology</i> , <b>2014</b> , 167, 539-46	11	85
141	Sodium hydroxide production from sodium carbonate and bicarbonate solutions using membrane electrolysis: A feasibility study. <i>Separation and Purification Technology</i> , <b>2014</b> , 127, 70-76	8.3	28
140	Continuous biotransformation of bisphenol A and diclofenac by laccase in an enzymatic membrane reactor. <i>International Biodeterioration and Biodegradation</i> , <b>2014</b> , 95, 25-32	4.8	71
139	A new optional recycled water pre-treatment system prior to use in the household laundry. <i>Science of the Total Environment</i> , <b>2014</b> , 476-477, 513-21	10.2	4
138	A comparison study on membrane fouling in a sponge-submerged membrane bioreactor and a conventional membrane bioreactor. <i>Bioresource Technology</i> , <b>2014</b> , 165, 69-74	11	82
137	N-nitrosamine rejection by reverse osmosis: Effects of membrane exposure to chemical cleaning reagents. <i>Desalination</i> , <b>2014</b> , 343, 60-66	10.3	22
136	Impact of organic and colloidal fouling on trace organic contaminant rejection by forward osmosis: Role of initial permeate flux. <i>Desalination</i> , <b>2014</b> , 336, 146-152	10.3	58
135	Exploration of EDTA sodium salt as novel draw solution in forward osmosis process for dewatering of high nutrient sludge. <i>Journal of Membrane Science</i> , <b>2014</b> , 455, 305-311	9.6	116
134	Relating rejection of trace organic contaminants to membrane properties in forward osmosis: measurements, modelling and implications. <i>Water Research</i> , <b>2014</b> , 49, 265-74	12.5	103



133	Sludge cycling between aerobic, anoxic and anaerobic regimes to reduce sludge production during wastewater treatment: performance, mechanisms, and implications. <i>Bioresource Technology</i> , <b>2014</b> , 155, 395-409	11	111
132	Competitive adsorption of metals on cabbage waste from multi-metal solutions. <i>Bioresource Technology</i> , <b>2014</b> , 160, 79-88	11	73
131	Enhancement of trace organic contaminant degradation by crude enzyme extract from <i>Trametes versicolor</i> culture: Effect of mediator type and concentration. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2014</b> , 45, 1855-1862	5.3	37
130	The effects of mediator and granular activated carbon addition on degradation of trace organic contaminants by an enzymatic membrane reactor. <i>Bioresource Technology</i> , <b>2014</b> , 167, 169-77	11	54
129	Effects of mixing and covering with mature compost on gaseous emissions during composting. <i>Chemosphere</i> , <b>2014</b> , 117, 14-9	8.4	97
128	Co-digestion of sewage sludge and crude glycerol for on-demand biogas production. <i>International Biodeterioration and Biodegradation</i> , <b>2014</b> , 95, 160-166	4.8	59
127	Trace Organic Contaminants Removal by Combined Processes for Wastewater Reuse. <i>Handbook of Environmental Chemistry</i> , <b>2014</b> , 39-77	0.8	8
126	Removal of polycyclic musks by anaerobic membrane bioreactor: biodegradation, biosorption, and enantioselectivity. <i>Chemosphere</i> , <b>2014</b> , 117, 722-9	8.4	13
125	Ozonation of N-Nitrosamines in the Reverse Osmosis Concentrate from Water Recycling Applications. <i>Ozone: Science and Engineering</i> , <b>2014</b> , 36, 174-180	2.4	10
124	The effects of feed solution temperature on pore size and trace organic contaminant rejection by the nanofiltration membrane NF270. <i>Separation and Purification Technology</i> , <b>2014</b> , 125, 43-51	8.3	46
123	Removal of pharmaceuticals, steroid hormones, phytoestrogens, UV-filters, industrial chemicals and pesticides by <i>Trametes versicolor</i> : Role of biosorption and biodegradation. <i>International Biodeterioration and Biodegradation</i> , <b>2014</b> , 88, 169-175	4.8	119
122	Simultaneous nitrification/denitrification and trace organic contaminant (TrOC) removal by an anoxic-aerobic membrane bioreactor (MBR). <i>Bioresource Technology</i> , <b>2014</b> , 165, 96-104	11	78
121	Enhancement of removal of trace organic contaminants by powdered activated carbon dosing into membrane bioreactors. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2014</b> , 45, 571-578	5.3	34
120	Effects of hypochlorite exposure on morphology and trace organic contaminant rejection by NF/RO membranes. <i>Membrane Water Treatment</i> , <b>2014</b> , 5, 235-250		8
119	Degradation of azo dye acid orange 7 in a membrane bioreactor by pellets and attached growth of <i>Coriolus versicolour</i> . <i>Bioresource Technology</i> , <b>2013</b> , 141, 29-34	11	49
118	Removal of emerging trace organic contaminants by MBR-based hybrid treatment processes. <i>International Biodeterioration and Biodegradation</i> , <b>2013</b> , 85, 474-482	4.8	90
117	Impact of chemical cleaning on the nanofiltration of pharmaceutically active compounds (PhACs): The role of cleaning temperature. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2013</b> , 44, 713-723	5.3	17
116	N-nitrosamine rejection by reverse osmosis membranes: a full-scale study. <i>Water Research</i> , <b>2013</b> , 47, 6141-8	12.5	46



115	Rejection of small and uncharged chemicals of emerging concern by reverse osmosis membranes: The role of free volume space within the active skin layer. <i>Separation and Purification Technology</i> , <b>2013</b> , 116, 426-432	8.3	39
114	The fate of pharmaceuticals, steroid hormones, phytoestrogens, UV-filters and pesticides during MBR treatment. <i>Bioresource Technology</i> , <b>2013</b> , 144, 247-54	11	137
113	Changes in surface properties and separation efficiency of a nanofiltration membrane after repeated fouling and chemical cleaning cycles. <i>Separation and Purification Technology</i> , <b>2013</b> , 113, 42-50	8.3	46
112	Coupling granular activated carbon adsorption with membrane bioreactor treatment for trace organic contaminant removal: breakthrough behaviour of persistent and hydrophilic compounds. <i>Journal of Environmental Management</i> , <b>2013</b> , 119, 173-81	7.9	65
111	Effects of feed and draw solution temperature and transmembrane temperature difference on the rejection of trace organic contaminants by forward osmosis. <i>Journal of Membrane Science</i> , <b>2013</b> , 438, 57-64	9.6	127
110	Comparison between sequential and simultaneous application of activated carbon with membrane bioreactor for trace organic contaminant removal. <i>Bioresource Technology</i> , <b>2013</b> , 130, 412-7	11	39
109	Removal of trace organic contaminants by an MBR comprising a mixed culture of bacteria and white-rot fungi. <i>Bioresource Technology</i> , <b>2013</b> , 148, 234-41	11	97
108	A forward osmosis-membrane distillation hybrid process for direct sewer mining: system performance and limitations. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 13486-93	10.3	202
107	Enhanced biological phosphorus removal and its modeling for the activated sludge and membrane bioreactor processes. <i>Bioresource Technology</i> , <b>2013</b> , 139, 363-74	11	64
106	Removal of trace organic contaminants by nitrifying activated sludge and whole-cell and crude enzyme extract of <i>Trametes versicolor</i> . <i>Water Science and Technology</i> , <b>2013</b> , 67, 1216-23	2.2	38
105	N-nitrosamine rejection by nanofiltration and reverse osmosis membranes: The importance of membrane characteristics. <i>Desalination</i> , <b>2013</b> , 316, 67-75	10.3	52
104	Effects of caustic cleaning on pore size of nanofiltration membranes and their rejection of trace organic chemicals. <i>Journal of Membrane Science</i> , <b>2013</b> , 447, 153-162	9.6	67
103	Understanding the factors controlling the removal of trace organic contaminants by white-rot fungi and their lignin modifying enzymes: a critical review. <i>Bioresource Technology</i> , <b>2013</b> , 141, 97-108	11	203
102	Characterising poly (vinyl chloride)/Aliquat 336 polymer inclusion membranes: Evidence of phase separation and its role in metal extraction. <i>Separation and Purification Technology</i> , <b>2013</b> , 119, 14-18	8.3	25
101	Influence of formulated chemical cleaning reagents on the surface properties and separation efficiency of nanofiltration membranes. <i>Journal of Membrane Science</i> , <b>2013</b> , 432, 73-82	9.6	68
100	Removal of N-nitrosamines by an aerobic membrane bioreactor. <i>Bioresource Technology</i> , <b>2013</b> , 141, 41-51	11	28
99	Standard Methodology for Evaluating Membrane Performance in Osmotically Driven Membrane Processes. <i>Desalination</i> , <b>2013</b> , 312, 31-38	10.3	304
98	Removal of bisphenol A and diclofenac by a novel fungal membrane bioreactor operated under non-sterile conditions. <i>International Biodeterioration and Biodegradation</i> , <b>2013</b> , 85, 483-490	4.8	99

97	Impact of humic acid fouling on membrane performance and transport of pharmaceutically active compounds in forward osmosis. <i>Water Research</i> , <b>2013</b> , 47, 4567-75	12.5	91
96	Boron as a surrogate for N-nitrosodimethylamine rejection by reverse osmosis membranes in potable water reuse applications. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 6425-30	10.3	16
95	Enhanced boron rejection by NF/RO membranes by complexation with polyols: Measurement and mechanisms. <i>Desalination</i> , <b>2013</b> , 310, 115-121	10.3	23
94	Effects of membrane fouling on N-nitrosamine rejection by nanofiltration and reverse osmosis membranes. <i>Journal of Membrane Science</i> , <b>2013</b> , 427, 311-319	9.6	53
93	Removal of trace organic contaminants by the forward osmosis process. <i>Separation and Purification Technology</i> , <b>2013</b> , 103, 258-266	8.3	128
92	Biocatalytic membrane reactors for the removal of recalcitrant and emerging pollutants from wastewater <b>2013</b> , 763-807		8
91	Effects of salinity on the removal of trace organic contaminants by membrane bioreactor treatment for water reuse. <i>Desalination and Water Treatment</i> , <b>2013</b> , 51, 5164-5171		11
90	Modification of a polyamide reverse osmosis membrane by heat treatment for enhanced fouling resistance. <i>Water Science and Technology: Water Supply</i> , <b>2013</b> , 13, 1553-1559	1.4	7
89	Removal of trace organic contaminants by a membrane bioreactor-granular activated carbon (MBR-GAC) system. <i>Bioresource Technology</i> , <b>2012</b> , 113, 169-73	11	118
88	Evaluation of sponge tray-membrane bioreactor (ST-MBR) for primary treated sewage effluent treatment. <i>Bioresource Technology</i> , <b>2012</b> , 113, 143-7	11	16
87	Performance of a novel osmotic membrane bioreactor (OMBR) system: flux stability and removal of trace organics. <i>Bioresource Technology</i> , <b>2012</b> , 113, 201-6	11	154
86	Effects of chemical cleaning on the nanofiltration of pharmaceutically active compounds (PhACs). <i>Separation and Purification Technology</i> , <b>2012</b> , 88, 208-215	8.3	34
85	Rejection of pharmaceutically active compounds by forward osmosis: Role of solution pH and membrane orientation. <i>Separation and Purification Technology</i> , <b>2012</b> , 93, 107-114	8.3	118
84	Effects of feed solution characteristics on the rejection of N-nitrosamines by reverse osmosis membranes. <i>Journal of Membrane Science</i> , <b>2012</b> , 409-410, 66-74	9.6	60
83	Pesticide removal by a mixed culture of bacteria and white-rot fungi. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2012</b> , 43, 459-462	5.3	83
82	Impact of Membrane Ageing Caused by Chemical Cleaning on the Removal of Trace Organic Contaminants by Nanofiltration. <i>Procedia Engineering</i> , <b>2012</b> , 44, 464-467		1
81	Coupling Powdered Activated Carbon (PAC) Adsorption with Membrane Bioreactor (MBR) Treatment for Enhanced Removal of Trace Organics. <i>Procedia Engineering</i> , <b>2012</b> , 44, 1410-1411		
80	Removal Mechanisms of Trace Organic Contaminants in Osmotically Driven Membrane Process. <i>Procedia Engineering</i> , <b>2012</b> , 44, 269-272		2

79	Analysis of N-nitrosamines in water by isotope dilution gas chromatography-electron ionisation tandem mass spectrometry. <i>Talanta</i> , <b>2012</b> , 99, 146-54	6.2	65
78	A mini-review on membrane fouling. <i>Bioresource Technology</i> , <b>2012</b> , 122, 27-34	11	805
77	N-nitrosamine removal by reverse osmosis for indirect potable water reuse [A critical review based on observations from laboratory-, pilot- and full-scale studies. <i>Separation and Purification Technology</i> , <b>2012</b> , 98, 503-515	8.3	106
76	Effects of sludge concentrations and different sponge configurations on the performance of a sponge-submerged membrane bioreactor. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 167, 1678-87	3.2	11
75	Effects of Feed Solution Characteristics and Membrane Fouling on N-Nitrosamine Rejection by Reverse Osmosis Membranes. <i>Procedia Engineering</i> , <b>2012</b> , 44, 1993-1995		
74	Predicting the Fate of Emerging Trace Organic Contaminants of Concern During MBR Treatment Based on Their Molecular Properties. <i>Procedia Engineering</i> , <b>2012</b> , 44, 980-982		1
73	Comparison of the removal of hydrophobic trace organic contaminants by forward osmosis and reverse osmosis. <i>Water Research</i> , <b>2012</b> , 46, 2683-92	12.5	234
72	Synthesis, properties and water permeability of SWNT buckypapers. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 13800		35
71	Challenges in Environmental Science and Engineering, CESE-2011: 25 <sup>th</sup> September, Ever Green Plaza Hotel, Tainan City, Taiwan. <i>Desalination and Water Treatment</i> , <b>2012</b> , 47, 1-2		
70	Selective transport of Cadmium by PVC/Aliquat 336 polymer inclusion membranes (PIMs): the role of membrane composition and solution chemistry. <i>Membrane Water Treatment</i> , <b>2012</b> , 3, 123-131		14
69	A neural network approach to predict the performance of recycled concrete used in permeable reactive barriers for the treatment of acidic groundwater. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , <b>2011</b> , 44, 199-209	1.4	
68	Treatment of saline aqueous solutions using direct contact membrane distillation. <i>Desalination and Water Treatment</i> , <b>2011</b> , 32, 234-241		38
67	Removal of trace organics by MBR treatment: the role of molecular properties. <i>Water Research</i> , <b>2011</b> , 45, 2439-51	12.5	345
66	Enantiospecific fate of ibuprofen, ketoprofen and naproxen in a laboratory-scale membrane bioreactor. <i>Water Research</i> , <b>2011</b> , 45, 6249-58	12.5	42
65	Aqueous cleaning of manufactured parts/components: establishing the role of solution quality. <i>International Journal of Sustainable Manufacturing</i> , <b>2011</b> , 2, 127	0.4	0
64	Removal of micropollutants by membrane bioreactor under temperature variation. <i>Journal of Membrane Science</i> , <b>2011</b> , 383, 144-151	9.6	126
63	Effects of membrane fouling and scaling on boron rejection by nanofiltration and reverse osmosis membranes. <i>Desalination</i> , <b>2011</b> , 279, 269-277	10.3	78
62	Removal of carbamazepine and sulfamethoxazole by MBR under anoxic and aerobic conditions. <i>Bioresource Technology</i> , <b>2011</b> , 102, 10386-90	11	98

61	Implications of membrane fouling toward the removal of the pharmaceutical sulfamethoxazole by nanofiltration processes. <i>Journal of Zhejiang University: Science A</i> , <b>2011</b> , 12, 575-582	2.1	9
60	Simultaneous activated carbon adsorption within a membrane bioreactor for an enhanced micropollutant removal. <i>Bioresource Technology</i> , <b>2011</b> , 102, 5319-24	11	102
59	Is halogen content the most important factor in the removal of halogenated trace organics by MBR treatment?. <i>Bioresource Technology</i> , <b>2011</b> , 102, 6299-303	11	44
58	Coupling effects of feed solution pH and ionic strength on the rejection of boron by NF/RO membranes. <i>Chemical Engineering Journal</i> , <b>2011</b> , 168, 700-706	14.7	105
57	A scaling mitigation approach during direct contact membrane distillation. <i>Separation and Purification Technology</i> , <b>2011</b> , 80, 315-322	8.3	137
56	Roadside rest area wastewater treatment system: Performance evaluation and improvement. <i>Desalination and Water Treatment</i> , <b>2011</b> , 32, 389-396		7
55	Evaluating waste concrete for the treatment of acid sulphate soil groundwater from coastal floodplains. <i>Desalination and Water Treatment</i> , <b>2011</b> , 32, 126-132		12
54	Oxidation of triclosan by ferrate: reaction kinetics, products identification and toxicity evaluation. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 186, 227-35	12.8	79
53	Geo-Environmental Approaches for the Remediation of Acid Sulphate Soil in Low-Lying Floodplains <b>2011</b> ,		1
52	Treatment of Acidic Groundwater in Acid Sulfate Soil Terrain Using Recycled Concrete: Column Experiments. <i>Journal of Environmental Engineering, ASCE</i> , <b>2011</b> , 137, 433-443	2	19
51	Effect of fouling on removal of trace organic compounds by nanofiltration. <i>Drinking Water Engineering and Science</i> , <b>2011</b> , 4, 71-82	2	8
50	Strategies to enhance the removal of the persistent pharmaceutically active compound carbamazepine by membrane bioreactors. <i>Desalination and Water Treatment</i> , <b>2011</b> , 34, 402-407		4
49	Treatment of coal seam gas produced water for beneficial use in Australia: A review of best practices. <i>Desalination and Water Treatment</i> , <b>2011</b> , 32, 316-323		82
48	Solar-Powered Compaction Garbage Bins in Public Areas: A Preliminary Economic and Environmental Evaluation. <i>Sustainability</i> , <b>2010</b> , 2, 524-532	3.6	1
47	Improved Gridding Technique for Coupling Geomechanics to Reservoir Flow. <i>SPE Journal</i> , <b>2010</b> , 15, 64-75.	3.1	13
46	Performance of a PRB for the Remediation of Acidic Groundwater in Acid Sulfate Soil Terrain. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , <b>2010</b> , 136, 897-906	3.4	22
45	Preparation of titanium dioxide nanoparticles from electrocoagulated sludge using sacrificial titanium electrodes. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 5553-7	10.3	17
44	Selective extraction of cadmium by polymer inclusion membranes containing PVC and Aliquat 336: role base polymer and extractant. <i>International Journal of Environmental Technology and Management</i> , <b>2010</b> , 12, 359	0.6	8

43	Combining MBR and NF/RO membrane filtration for the removal of trace organics in indirect potable water reuse applications. <i>Journal of Membrane Science</i> , <b>2010</b> , 365, 206-215	9.6	188
42	Impact of organic matrix compounds on the retention of steroid hormone estrone by a loose nanofiltration membrane. <i>Separation and Purification Technology</i> , <b>2010</b> , 73, 179-187	8.3	26
41	Effects of fouling and scaling on the retention of trace organic contaminants by a nanofiltration membrane: The role of cake-enhanced concentration polarisation. <i>Separation and Purification Technology</i> , <b>2010</b> , 73, 256-263	8.3	65
40	Boron removal by reverse osmosis membranes in seawater desalination applications. <i>Separation and Purification Technology</i> , <b>2010</b> , 75, 87-101	8.3	187
39	The effect of information on public acceptance--the case of water from alternative sources. <i>Journal of Environmental Management</i> , <b>2010</b> , 91, 1288-93	7.9	86
38	Roles of polyurethane foam in aerobic moving and fixed bed bioreactors. <i>Bioresource Technology</i> , <b>2010</b> , 101, 1435-9	11	116
37	Effect of mixed liquor pH on the removal of trace organic contaminants in a membrane bioreactor. <i>Bioresource Technology</i> , <b>2010</b> , 101, 1494-500	11	119
36	Landfill leachate treatment using hybrid coagulation-nanofiltration processes. <i>Desalination</i> , <b>2010</b> , 250, 677-681	10.3	66
35	Mechanisms underlying the effects of membrane fouling on the nanofiltration of trace organic contaminants. <i>Desalination</i> , <b>2010</b> , 250, 682-687	10.3	89
34	Membrane fouling and chemical cleaning in water recycling applications. <i>Desalination</i> , <b>2010</b> , 250, 977-981	10.3	40
33	Influence of feed water chemistry on the removal of ionisable and neutral trace organics by a loose nanofiltration membrane. <i>Membrane Water Treatment</i> , <b>2010</b> , 1, 93-101		3
32	Effects of membrane degradation on the removal of pharmaceutically active compounds (PhACs) by NF/RO filtration processes. <i>Journal of Membrane Science</i> , <b>2009</b> , 340, 16-25	9.6	109
31	Removal of trace organic contaminants by submerged membrane bioreactors. <i>Desalination</i> , <b>2009</b> , 236, 127-134	10.3	47
30	Effects of membrane fouling on the nanofiltration of trace organic contaminants. <i>Desalination</i> , <b>2009</b> , 236, 273-281	10.3	67
29	Long-term Performance of a Permeable Reactive Barrier in Acid Sulphate Soil Terrain. <i>Water, Air and Soil Pollution</i> , <b>2009</b> , 9, 409-419		15
28	Metallic ion extraction using polymer inclusion membranes (PIMs): Optimising physical strength and extraction rate. <i>Desalination and Water Treatment</i> , <b>2009</b> , 6, 41-47		24
27	Removal of heavy metals from mining impacted water by an electrocoagulation-ultrafiltration hybrid process. <i>Desalination and Water Treatment</i> , <b>2009</b> , 11, 66-72		18
26	Influence of organic and colloidal fouling on the removal of sulphamethoxazole by nanofiltration membranes. <i>Water Science and Technology</i> , <b>2008</b> , 58, 163-9	2.2	12

25	Characterising humic acid fouling of nanofiltration membranes using bisphenol A as a molecular indicator. <i>Water Research</i> , <b>2008</b> , 42, 4049-58	12.5	103
24	A Novel Sponge-Submerged Membrane Bioreactor (SSMBR) for Wastewater Treatment and Reuse. <i>Separation Science and Technology</i> , <b>2008</b> , 43, 273-285	2.5	25
23	NF/RO filtration of the hydrophobic ionogenic compound triclosan: Transport mechanisms and the influence of membrane fouling. <i>Separation and Purification Technology</i> , <b>2008</b> , 62, 709-716	8.3	126
22	Comparison of the performance of submerged membrane bioreactor (SMBR) and submerged membrane adsorption bioreactor (SMABR). <i>Bioresource Technology</i> , <b>2008</b> , 99, 1012-7	11	53
21	Evaluation of a novel sponge-submerged membrane bioreactor (SSMBR) for sustainable water reclamation. <i>Bioresource Technology</i> , <b>2008</b> , 99, 2429-35	11	73
20	Effects of membrane fouling on the nanofiltration of pharmaceutically active compounds (PhACs): Mechanisms and role of membrane pore size. <i>Separation and Purification Technology</i> , <b>2007</b> , 57, 176-184	8.3	219
19	Membrane fouling in the nanofiltration of landfill leachate and its impact on trace contaminant removal. <i>International Journal of Environment and Waste Management</i> , <b>2007</b> , 1, 338	0.9	4
18	Membrane bioreactor technology for decentralised wastewater treatment and reuse. <i>International Journal of Water</i> , <b>2007</b> , 3, 368	0.9	11
17	Role of electrostatic interactions in the retention of pharmaceutically active contaminants by a loose nanofiltration membrane. <i>Journal of Membrane Science</i> , <b>2006</b> , 286, 52-59	9.6	168
16	Fouling in greywater recycling by direct ultrafiltration. <i>Desalination</i> , <b>2006</b> , 187, 283-290	10.3	55
15	Critical risk points of nanofiltration and reverse osmosis processes in water recycling applications. <i>Desalination</i> , <b>2006</b> , 187, 303-312	10.3	67
14	Fouling autopsy of hollow-fibre MF membranes in wastewater reclamation. <i>Desalination</i> , <b>2006</b> , 188, 113-121	10.3	35
13	Bisphenol A retention in the direct ultrafiltration of greywater. <i>Journal of Membrane Science</i> , <b>2006</b> , 283, 233-243	9.6	62
12	Extraction and transport of metal ions and small organic compounds using polymer inclusion membranes (PIMs). <i>Journal of Membrane Science</i> , <b>2006</b> , 281, 7-41	9.6	395
11	Pharmaceutical retention mechanisms by nanofiltration membranes. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 7698-705	10.3	380
10	Fouling mechanisms of submerged ultrafiltration membranes in greywater recycling. <i>Desalination</i> , <b>2005</b> , 179, 215-223	10.3	33
9	Nanofiltration of Hormone Mimicking Trace Organic Contaminants. <i>Separation Science and Technology</i> , <b>2005</b> , 40, 2633-2649	2.5	69
8	Estrogenic hormone removal from wastewater using NF/RO membranes. <i>Journal of Membrane Science</i> , <b>2004</b> , 242, 37-45	9.6	144



7	Removal of natural hormones by nanofiltration membranes: measurement, modeling, and mechanisms. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 1888-96	10.3	432
6	Removal of the natural hormone estrone from aqueous solutions using nanofiltration and reverse osmosis. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 182-8	10.3	222
5	Adsorptive interactions between membranes and trace contaminants. <i>Desalination</i> , <b>2002</b> , 147, 269-274	10.3	86
4	Adsorption and Transport of Trace Contaminant Estrone in NF/RO Membranes. <i>Environmental Engineering Science</i> , <b>2002</b> , 19, 441-451	2	88
3	A contemporary review of enzymatic applications in the remediation of emerging estrogenic compounds. <i>Critical Reviews in Environmental Science and Technology</i> , 1-30	11.1	9
2	Microalgae-based carbon capture and utilization: A critical review on current system developments and biomass utilization. <i>Critical Reviews in Environmental Science and Technology</i> , 1-23	11.1	0
1	Tweak in Puzzle: Tailoring Membrane Chemistry and Structure toward Targeted Removal of Organic Micropollutants for Water Reuse. <i>Environmental Science and Technology Letters</i> ,	11	4