Long D. Nghiem

List of Publications by Citations

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	A review on the occurrence of micropollutants in the aquatic environment and their fate and removal during wastewater treatment. *Science of the Total Environment*, **2014**, 473-474, 619-41	10.2	2205
491	A mini-review on membrane fouling. *Bioresource Technology*, **2012**, 122, 27-34	11	805
490	Progress in the biological and chemical treatment technologies for emerging contaminant removal from wastewater: A critical review. *Journal of Hazardous Materials*, **2017**, 323, 274-298	12.8	617
489	Adsorptive removal of antibiotics from water and wastewater: Progress and challenges. *Science of the Total Environment*, **2015**, 532, 112-26	10.2	606
488	Removal of natural hormones by nanofiltration membranes: measurement, modeling, and mechanisms. *Environmental Science & Technology*, **2004**, 38, 1888-96	10.3	432
487	Extraction and transport of metal ions and small organic compounds using polymer inclusion membranes (PIMs). *Journal of Membrane Science*, **2006**, 281, 7-41	9.6	395
486	Pharmaceutical retention mechanisms by nanofiltration membranes. *Environmental Science & Technology*, **2005**, 39, 7698-705	10.3	380
485	Removal of trace organics by MBR treatment: the role of molecular properties. *Water Research*, **2011**, 45, 2439-51	12.5	345
484	Standard Methodology for Evaluating Membrane Performance in Osmotically Driven Membrane Processes. *Desalination*, **2013**, 312, 31-38	10.3	304
483	Comparison of the removal of hydrophobic trace organic contaminants by forward osmosis and reverse osmosis. *Water Research*, **2012**, 46, 2683-92	12.5	234
482	Removal of the natural hormone estrone from aqueous solutions using nanofiltration and reverse osmosis. *Environmental Science & Technology*, **2003**, 37, 182-8	10.3	222
481	Effects of membrane fouling on the nanofiltration of pharmaceutically active compounds (PhACs): Mechanisms and role of membrane pore size. *Separation and Purification Technology*, **2007**, 57, 176-184	8.3	219
480	Potable Water Reuse through Advanced Membrane Technology. *Environmental Science & Technology*, **2018**, 52, 10215-10223	10.3	203
479	Understanding the factors controlling the removal of trace organic contaminants by white-rot fungi and their lignin modifying enzymes: a critical review. *Bioresource Technology*, **2013**, 141, 97-108	11	203
478	A forward osmosis-membrane distillation hybrid process for direct sewer mining: system performance and limitations. *Environmental Science & Technology*, **2013**, 47, 13486-93	10.3	202
477	Toward Resource Recovery from Wastewater: Extraction of Phosphorus from Digested Sludge Using a Hybrid Forward Osmosis–Membrane Distillation Process. *Environmental Science and Technology Letters*, **2014**, 1, 191-195	11	196
476	Combining MBR and NF/RO membrane filtration for the removal of trace organics in indirect potable water reuse applications. *Journal of Membrane Science*, **2010**, 365, 206-215	9.6	188

475	Boron removal by reverse osmosis membranes in seawater desalination applications. *Separation and Purification Technology*, **2010**, 75, 87-101	8.3	187
474	Full scale co-digestion of wastewater sludge and food waste: Bottlenecks and possibilities. *Renewable and Sustainable Energy Reviews*, **2017**, 72, 354-362	16.2	179
473	Optimization of process parameters for production of volatile fatty acid, biohydrogen and methane from anaerobic digestion. *Bioresource Technology*, **2016**, 219, 738-748	11	177
472	Role of electrostatic interactions in the retention of pharmaceutically active contaminants by a loose nanofiltration membrane. *Journal of Membrane Science*, **2006**, 286, 52-59	9.6	168
471	Treatment of RO brine from CSG produced water by spiral-wound air gap membrane distillation □ A pilot study. *Desalination*, **2015**, 366, 121-129	10.3	156
470	Performance of a novel osmotic membrane bioreactor (OMBR) system: flux stability and removal of trace organics. *Bioresource Technology*, **2012**, 113, 201-6	11	154
469	Challenges in the application of microbial fuel cells to wastewater treatment and energy production: A mini review. *Science of the Total Environment*, **2018**, 639, 910-920	10.2	152
468	Insight into chemical phosphate recovery from municipal wastewater. *Science of the Total Environment*, **2017**, 576, 159-171	10.2	147
467	A critical review on antibiotics and hormones in swine wastewater: Water pollution problems and control approaches. *Journal of Hazardous Materials*, **2020**, 387, 121682	12.8	145
466	Estrogenic hormone removal from wastewater using NF/RO membranes. *Journal of Membrane Science*, **2004**, 242, 37-45	9.6	144
465	Biofouling Mitigation in Forward Osmosis Using Graphene Oxide Functionalized Thin-Film Composite Membranes. *Environmental Science & Technology*, **2016**, 50, 5840-8	10.3	141
464	The fate of pharmaceuticals, steroid hormones, phytoestrogens, UV-filters and pesticides during MBR treatment. *Bioresource Technology*, **2013**, 144, 247-54	11	137
463	Thin-film composite forward osmosis membranes functionalized with graphene oxide□silver nanocomposites for biofouling control. *Journal of Membrane Science*, **2017**, 525, 146-156	9.6	137
462	A scaling mitigation approach during direct contact membrane distillation. *Separation and Purification Technology*, **2011**, 80, 315-322	8.3	137
461	Role of pressure in organic fouling in forward osmosis and reverse osmosis. *Journal of Membrane Science*, **2015**, 493, 748-754	9.6	136
460	The COVID-19 pandemic: Considerations for the waste and wastewater services sector. *Case Studies in Chemical and Environmental Engineering*, **2020**, 1, 100006	7.5	135
459	Forward osmosis as a platform for resource recovery from municipal wastewater - A critical assessment of the literature. *Journal of Membrane Science*, **2017**, 529, 195-206	9.6	134
458	Anaerobic co-digestion: A critical review of mathematical modelling for performance optimization. *Bioresource Technology*, **2016**, 222, 498-512	11	129

457	Osmotic versus conventional membrane bioreactors integrated with reverse osmosis for water reuse: Biological stability, membrane fouling, and contaminant removal. *Water Research*, **2017**, 109, 122-134	12.5	128
456	Removal of trace organic contaminants by the forward osmosis process. *Separation and Purification Technology*, **2013**, 103, 258-266	8.3	128
455	Effects of feed and draw solution temperature and transmembrane temperature difference on the rejection of trace organic contaminants by forward osmosis. *Journal of Membrane Science*, **2013**, 438, 57-64	9.6	127
454	Removal of micropollutants by membrane bioreactor under temperature variation. *Journal of Membrane Science*, **2011**, 383, 144-151	9.6	126
453	NF/RO filtration of the hydrophobic ionogenic compound triclosan: Transport mechanisms and the influence of membrane fouling. *Separation and Purification Technology*, **2008**, 62, 709-716	8.3	126
452	Removal of pharmaceuticals, steroid hormones, phytoestrogens, UV-filters, industrial chemicals and pesticides by Trametes versicolor: Role of biosorption and biodegradation. *International Biodeterioration and Biodegradation*, **2014**, 88, 169-175	4.8	119
451	Effect of mixed liquor pH on the removal of trace organic contaminants in a membrane bioreactor. *Bioresource Technology*, **2010**, 101, 1494-500	11	119
450	Removal of trace organic contaminants by a membrane bioreactor-granular activated carbon (MBR-GAC) system. *Bioresource Technology*, **2012**, 113, 169-73	11	118
449	Rejection of pharmaceutically active compounds by forward osmosis: Role of solution pH and membrane orientation. *Separation and Purification Technology*, **2012**, 93, 107-114	8.3	118
448	Exploration of EDTA sodium salt as novel draw solution in forward osmosis process for dewatering of high nutrient sludge. *Journal of Membrane Science*, **2014**, 455, 305-311	9.6	116
447	Roles of polyurethane foam in aerobic moving and fixed bed bioreactors. *Bioresource Technology*, **2010**, 101, 1435-9	11	116
446	Sludge cycling between aerobic, anoxic and anaerobic regimes to reduce sludge production during wastewater treatment: performance, mechanisms, and implications. *Bioresource Technology*, **2014**, 155, 395-409	11	111
445	Evaluating energy consumption of air gap membrane distillation for seawater desalination at pilot scale level. *Separation and Purification Technology*, **2016**, 166, 55-62	8.3	111
444	Removal of trace organic chemicals and performance of a novel hybrid ultrafiltration-osmotic membrane bioreactor. *Environmental Science & Technology*, **2014**, 48, 10859-68	10.3	110
443	Effects of membrane degradation on the removal of pharmaceutically active compounds (PhACs) by NF/RO filtration processes. *Journal of Membrane Science*, **2009**, 340, 16-25	9.6	109
442	N-nitrosamine removal by reverse osmosis for indirect potable water reuse – A critical review based on observations from laboratory-, pilot- and full-scale studies. *Separation and Purification Technology*, **2012**, 98, 503-515	8.3	106
441	A critical review on membrane hybrid system for nutrient recovery from wastewater. *Chemical Engineering Journal*, **2018**, 348, 143-156	14.7	105
440	Coupling effects of feed solution pH and ionic strength on the rejection of boron by NF/RO membranes. *Chemical Engineering Journal*, **2011**, 168, 700-706	14.7	105

439	Relating rejection of trace organic contaminants to membrane properties in forward osmosis: measurements, modelling and implications. *Water Research*, **2014**, 49, 265-74	12.5	103
438	Characterising humic acid fouling of nanofiltration membranes using bisphenol A as a molecular indicator. *Water Research*, **2008**, 42, 4049-58	12.5	103
437	Simultaneous activated carbon adsorption within a membrane bioreactor for an enhanced micropollutant removal. *Bioresource Technology*, **2011**, 102, 5319-24	11	102
436	Challenges in biogas production from anaerobic membrane bioreactors. *Renewable Energy*, **2016**, 98, 120-134	8.1	102
435	A critical review on ammonium recovery from wastewater for sustainable wastewater management. *Bioresource Technology*, **2018**, 268, 749-758	11	101
434	Treatment of shale gas drilling flowback fluids (SGDFs) by forward osmosis: Membrane fouling and mitigation. *Desalination*, **2015**, 366, 113-120	10.3	99
433	Removal of bisphenol A and diclofenac by a novel fungal membrane bioreactor operated under non-sterile conditions. *International Biodeterioration and Biodegradation*, **2013**, 85, 483-490	4.8	99
432	Removal of organic micropollutants using advanced membrane-based water and wastewater treatment: A review. *Journal of Membrane Science*, **2020**, 598, 117672	9.6	99
431	Anaerobic membrane bioreactors for antibiotic wastewater treatment: Performance and membrane fouling issues. *Bioresource Technology*, **2018**, 267, 714-724	11	98
430	Removal of carbamazepine and sulfamethoxazole by MBR under anoxic and aerobic conditions. *Bioresource Technology*, **2011**, 102, 10386-90	11	98
429	Resource recovery from wastewater by anaerobic membrane bioreactors: Opportunities and challenges. *Bioresource Technology*, **2018**, 270, 669-677	11	98
428	Effects of mixing and covering with mature compost on gaseous emissions during composting. *Chemosphere*, **2014**, 117, 14-9	8.4	97
427	Removal of trace organic contaminants by an MBR comprising a mixed culture of bacteria and white-rot fungi. *Bioresource Technology*, **2013**, 148, 234-41	11	97
426	Synergistic effect from anaerobic co-digestion of sewage sludge and organic wastes. *International Biodeterioration and Biodegradation*, **2017**, 116, 191-197	4.8	96
425	Continuous adsorption and biotransformation of micropollutants by granular activated carbon-bound laccase in a packed-bed enzyme reactor. *Bioresource Technology*, **2016**, 210, 108-16	11	94
424	Trace organic contaminants in biosolids: Impact of conventional wastewater and sludge processing technologies and emerging alternatives. *Journal of Hazardous Materials*, **2015**, 300, 1-17	12.8	93
423	Impact of humic acid fouling on membrane performance and transport of pharmaceutically active compounds in forward osmosis. *Water Research*, **2013**, 47, 4567-75	12.5	91
422	Removal of emerging trace organic contaminants by MBR-based hybrid treatment processes. *International Biodeterioration and Biodegradation*, **2013**, 85, 474-482	4.8	90

421	Probing the internal structure of reverse osmosis membranes by positron annihilation spectroscopy: Gaining more insight into the transport of water and small solutes. *Journal of Membrane Science*, **2015**, 486, 106-118	9.6	89
420	Performance evaluation of powdered activated carbon for removing 28 types of antibiotics from water. *Journal of Environmental Management*, **2016**, 172, 193-200	7.9	89
419	Phosphorus and water recovery by a novel osmotic membrane bioreactor-reverse osmosis system. *Bioresource Technology*, **2016**, 200, 297-304	11	89
418	Mechanisms underlying the effects of membrane fouling on the nanofiltration of trace organic contaminants. *Desalination*, **2010**, 250, 682-687	10.3	89
417	Adsorption and Transport of Trace Contaminant Estrone in NF/RO Membranes. *Environmental Engineering Science*, **2002**, 19, 441-451	2	88
416	Hollow fibre membrane contactors for ammonia recovery: Current status and future developments. *Journal of Environmental Chemical Engineering*, **2017**, 5, 1349-1359	6.8	87
415	Rejection and fate of trace organic compounds (TrOCs) during membrane distillation. *Journal of Membrane Science*, **2014**, 453, 636-642	9.6	87
414	Activated carbon preparation from biomass feedstock: Clean production and carbon dioxide adsorption. *Journal of Cleaner Production*, **2019**, 225, 405-413	10.3	86
413	The effect of information on public acceptance--the case of water from alternative sources. *Journal of Environmental Management*, **2010**, 91, 1288-93	7.9	86
412	Adsorptive interactions between membranes and trace contaminants. *Desalination*, **2002**, 147, 269-274	10.3	86
411	Development of a predictive framework to assess the removal of trace organic chemicals by anaerobic membrane bioreactor. *Bioresource Technology*, **2015**, 189, 391-398	11	85
410	High retention membrane bioreactors: challenges and opportunities. *Bioresource Technology*, **2014**, 167, 539-46	11	85
409	Degradation of Pharmaceuticals and Personal Care Products by White-Rot Fungi□ Critical Review. *Current Pollution Reports*, **2017**, 3, 88-103	7.6	83
408	Pesticide removal by a mixed culture of bacteria and white-rot fungi. *Journal of the Taiwan Institute of Chemical Engineers*, **2012**, 43, 459-462	5.3	83
407	Lithium extraction from Chinese salt-lake brines: opportunities, challenges, and future outlook. *Environmental Science: Water Research and Technology*, **2017**, 3, 593-597	4.2	82
406	Optimising thermal efficiency of direct contact membrane distillation by brine recycling for small-scale seawater desalination. *Desalination*, **2015**, 374, 1-9	10.3	82
405	New functional biocarriers for enhancing the performance of a hybrid moving bed biofilm reactor-membrane bioreactor system. *Bioresource Technology*, **2016**, 208, 87-93	11	82
404	A comparison study on membrane fouling in a sponge-submerged membrane bioreactor and a conventional membrane bioreactor. *Bioresource Technology*, **2014**, 165, 69-74	11	82

403	Treatment of coal seam gas produced water for beneficial use in Australia: A review of best practices. *Desalination and Water Treatment*, **2011**, 32, 316-323		82
402	Scaling control during membrane distillation of coal seam gas reverse osmosis brine. *Journal of Membrane Science*, **2015**, 493, 673-682	9.6	81
401	Occurrence and risk assessment of multiple classes of antibiotics in urban canals and lakes in Hanoi, Vietnam. *Science of the Total Environment*, **2019**, 692, 157-174	10.2	81
400	Water reclamation from shale gas drilling flow-back fluid using a novel forward osmosis-vacuum membrane distillation hybrid system. *Water Science and Technology*, **2014**, 69, 1036-44	2.2	80
399	Graphene/PVDF flat-sheet membrane for the treatment of RO brine from coal seam gas produced water by air gap membrane distillation. *Journal of Membrane Science*, **2016**, 513, 74-84	9.6	80
398	Oxidation of triclosan by ferrate: reaction kinetics, products identification and toxicity evaluation. *Journal of Hazardous Materials*, **2011**, 186, 227-35	12.8	79
397	Simultaneous nitrification/denitrification and trace organic contaminant (TrOC) removal by an anoxic-aerobic membrane bioreactor (MBR). *Bioresource Technology*, **2014**, 165, 96-104	11	78
396	Effects of membrane fouling and scaling on boron rejection by nanofiltration and reverse osmosis membranes. *Desalination*, **2011**, 279, 269-277	10.3	78
395	Insights into biofilm carriers for biological wastewater treatment processes: Current state-of-the-art, challenges, and opportunities. *Bioresource Technology*, **2019**, 288, 121619	11	77
394	Evaluation of micropollutant removal and fouling reduction in a hybrid moving bed biofilm reactor-membrane bioreactor system. *Bioresource Technology*, **2015**, 191, 355-9	11	77
393	A sacrificial-layer approach to fabricate polysulfone support for forward osmosis thin-film composite membranes with reduced internal concentration polarisation. *Journal of Membrane Science*, **2015**, 481, 106-114	9.6	76
392	Occurrence of trace organic contaminants in wastewater sludge and their removals by anaerobic digestion. *Bioresource Technology*, **2016**, 210, 153-9	11	74
391	Competitive adsorption of metals on cabbage waste from multi-metal solutions. *Bioresource Technology*, **2014**, 160, 79-88	11	73
390	Evaluation of a novel sponge-submerged membrane bioreactor (SSMBR) for sustainable water reclamation. *Bioresource Technology*, **2008**, 99, 2429-35	11	73
389	Phosphorus recovery from digested sludge centrate using seawater-driven forward osmosis. *Separation and Purification Technology*, **2016**, 163, 1-7	8.3	71
388	Continuous biotransformation of bisphenol A and diclofenac by laccase in an enzymatic membrane reactor. *International Biodeterioration and Biodegradation*, **2014**, 95, 25-32	4.8	71
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386	A comprehensive review on the framework to valorise lignocellulosic biomass as biorefinery feedstocks. *Science of the Total Environment*, **2020**, 743, 140630	10.2	69

385	Impacts of redox-mediator type on trace organic contaminants degradation by laccase: Degradation efficiency, laccase stability and effluent toxicity. *International Biodeterioration and Biodegradation*, **2016**, 113, 169-176	4.8	69
384	Nanofiltration of Hormone Mimicking Trace Organic Contaminants. *Separation Science and Technology*, **2005**, 40, 2633-2649	2.5	69
383	Biomimetic aquaporin membranes for osmotic membrane bioreactors: Membrane performance and contaminant removal. *Bioresource Technology*, **2018**, 249, 62-68	11	68
382	Influence of formulated chemical cleaning reagents on the surface properties and separation efficiency of nanofiltrationmembranes. *Journal of Membrane Science*, **2013**, 432, 73-82	9.6	68
381	Oxidation reduction potential as a parameter to regulate micro-oxygen injection into anaerobic digester for reducing hydrogen sulphide concentration in biogas. *Bioresource Technology*, **2014**, 173, 443-447	11	67
380	Effects of caustic cleaning on pore size of nanofiltration membranes and their rejection of trace organic chemicals. *Journal of Membrane Science*, **2013**, 447, 153-162	9.6	67
379	Effects of membrane fouling on the nanofiltration of trace organic contaminants. *Desalination*, **2009**, 236, 273-281	10.3	67
378	Critical risk points of nanofiltration and reverse osmosis processes in water recycling applications. *Desalination*, **2006**, 187, 303-312	10.3	67
377	Removal and fate of micropollutants in a sponge-based moving bed bioreactor. *Bioresource Technology*, **2014**, 159, 311-9	11	66
376	Photolysis and UV/H 2 O 2 of diclofenac, sulfamethoxazole, carbamazepine, and trimethoprim: Identification of their major degradation products by ESI□CM S and assessment of the toxicity of reaction mixtures. *Chemical Engineering Research and Design*, **2017**, 112, 222-234	5.5	66
375	Landfill leachate treatment using hybrid coagulation-nanofiltration processes. *Desalination*, **2010**, 250, 677-681	10.3	66
374	Effects of salinity build-up on the performance and bacterial community structure of a membrane bioreactor. *Bioresource Technology*, **2016**, 200, 305-10	11	65
373	Coupling granular activated carbon adsorption with membrane bioreactor treatment for trace organic contaminant removal: breakthrough behaviour of persistent and hydrophilic compounds. *Journal of Environmental Management*, **2013**, 119, 173-81	7.9	65
372	Selection of forward osmosis draw solutes for subsequent integration with anaerobic treatment to facilitate resource recovery from wastewater. *Bioresource Technology*, **2015**, 191, 30-6	11	65
371	Analysis of N-nitrosamines in water by isotope dilution gas chromatography-electron ionisation tandem mass spectrometry. *Talanta*, **2012**, 99, 146-54	6.2	65
370	Effects of fouling and scaling on the retention of trace organic contaminants by a nanofiltration membrane: The role of cake-enhanced concentration polarisation. *Separation and Purification Technology*, **2010**, 73, 256-263	8.3	65
369	Enhanced biological phosphorus removal and its modeling for the activated sludge and membrane bioreactor processes. *Bioresource Technology*, **2013**, 139, 363-74	11	64
368	Greenhouse gas emissions from different pig manure management techniques: a critical analysis. *Frontiers of Environmental Science and Engineering*, **2017**, 11, 1	5.8	63

367	Bisphenol A retention in the direct ultrafiltration of greywater. *Journal of Membrane Science*, **2006**, 283, 233-243	9.6	62
366	An anaerobic membrane bioreactor - membrane distillation hybrid system for energy recovery and water reuse: Removal performance of organic carbon, nutrients, and trace organic contaminants. *Science of the Total Environment*, **2018**, 628-629, 358-365	10.2	61
365	Innovative sponge-based moving bed-osmotic membrane bioreactor hybrid system using a new class of draw solution for municipal wastewater treatment. *Water Research*, **2016**, 91, 305-13	12.5	61
364	A novel membrane distillation-thermophilic bioreactor system: biological stability and trace organic compound removal. *Bioresource Technology*, **2014**, 159, 334-41	11	61
363	Effects of feed solution characteristics on the rejection of N-nitrosamines by reverse osmosis membranes. *Journal of Membrane Science*, **2012**, 409-410, 66-74	9.6	60
362	Biocatalytic degradation of pharmaceuticals, personal care products, industrial chemicals, steroid hormones and pesticides in a membrane distillation-enzymatic bioreactor. *Bioresource Technology*, **2018**, 247, 528-536	11	59
361	Effects of salinity build-up on the performance of an anaerobic membrane bioreactor regarding basic water quality parameters and removal of trace organic contaminants. *Bioresource Technology*, **2016**, 216, 399-405	11	59
360	Laccase-syringaldehyde-mediated degradation of trace organic contaminants in an enzymatic membrane reactor: Removal efficiency and effluent toxicity. *Bioresource Technology*, **2016**, 200, 477-84	11	59
359	Nanofiltration of trace organic chemicals: A comparison between ceramic and polymeric membranes. *Separation and Purification Technology*, **2014**, 136, 258-264	8.3	59
358	Co-digestion of sewage sludge and crude glycerol for on-demand biogas production. *International Biodeterioration and Biodegradation*, **2014**, 95, 160-166	4.8	59
357	Effects of salinity build-up on biomass characteristics and trace organic chemical removal: implications on the development of high retention membrane bioreactors. *Bioresource Technology*, **2015**, 177, 274-81	11	58
356	Impact of organic and colloidal fouling on trace organic contaminant rejection by forward osmosis: Role of initial permeate flux. *Desalination*, **2014**, 336, 146-152	10.3	58
355	Water extraction from mixed liquor of an aerobic bioreactor by forward osmosis: Membrane fouling and biomass characteristics assessment. *Separation and Purification Technology*, **2015**, 145, 56-62	8.3	57
354	Feasibility study on a double chamber microbial fuel cell for nutrient recovery from municipal wastewater. *Chemical Engineering Journal*, **2019**, 358, 236-242	14.7	57
353	Trace organic contaminant rejection by aquaporin forward osmosis membrane: Transport mechanisms and membrane stability. *Water Research*, **2018**, 132, 90-98	12.5	56
352	Zeolite powder based polyurethane sponges as biocarriers in moving bed biofilm reactor for improving nitrogen removal of municipal wastewater. *Science of the Total Environment*, **2019**, 651, 1078-1086	10.2	56
351	Fouling in greywater recycling by direct ultrafiltration. *Desalination*, **2006**, 187, 283-290	10.3	55
350	Effect of filling fraction on the performance of sponge-based moving bed biofilm reactor. *Bioresource Technology*, **2016**, 219, 762-767	11	54

349	The effects of mediator and granular activated carbon addition on degradation of trace organic contaminants by an enzymatic membrane reactor. *Bioresource Technology*, **2014**, 167, 169-77	11	54
348	The role of forward osmosis and microfiltration in an integrated osmotic-microfiltration membrane bioreactor system. *Chemosphere*, **2015**, 136, 125-32	8.4	54
347	Influence of thermal hydrolysis pretreatment on physicochemical properties and anaerobic biodegradability of waste activated sludge with different solids content. *Waste Management*, **2019**, 85, 214-221	8.6	54
346	Effects of membrane fouling on N-nitrosamine rejection by nanofiltration and reverse osmosis membranes. *Journal of Membrane Science*, **2013**, 427, 311-319	9.6	53
345	Comparison of the performance of submerged membrane bioreactor (SMBR) and submerged membrane adsorption bioreactor (SMABR). *Bioresource Technology*, **2008**, 99, 1012-7	11	53
344	Evaluating ionic organic draw solutes in osmotic membrane bioreactors for water reuse. *Journal of Membrane Science*, **2016**, 514, 636-645	9.6	53
343	Using electrodialysis for regeneration of aqueous lithium chloride solution in liquid desiccant air conditioning systems. *Energy and Buildings*, **2016**, 116, 285-295	7	52
342	N-nitrosamine rejection by nanofiltration and reverse osmosis membranes: The importance of membrane characteristics. *Desalination*, **2013**, 316, 67-75	10.3	52
341	Removal of antibiotics in sponge membrane bioreactors treating hospital wastewater: Comparison between hollow fiber and flat sheet membrane systems. *Bioresource Technology*, **2017**, 240, 42-49	11	51
340	Dry thermophilic semi-continuous anaerobic digestion of food waste: Performance evaluation, modified Gompertz model analysis, and energy balance. *Energy Conversion and Management*, **2016**, 128, 203-210	10.6	51
339	A new class of draw solutions for minimizing reverse salt flux to improve forward osmosis desalination. *Science of the Total Environment*, **2015**, 538, 129-36	10.2	50
338	Bacterial community dynamics in an anoxic-aerobic membrane bioreactor Impact on nutrient and trace organic contaminant removal. *International Biodeterioration and Biodegradation*, **2016**, 109, 61-72	4.8	50
337	Degradation of a broad spectrum of trace organic contaminants by an enzymatic membrane reactor: Complementary role of membrane retention and enzymatic degradation. *International Biodeterioration and Biodegradation*, **2015**, 99, 115-122	4.8	50
336	Membrane scaling and prevention techniques during seawater desalination by air gap membrane distillation. *Desalination*, **2016**, 397, 92-100	10.3	50
335	Effect of hydraulic retention time on the performance of a hybrid moving bed biofilm reactor-membrane bioreactor system for micropollutants removal from municipal wastewater. *Bioresource Technology*, **2018**, 247, 1228-1232	11	49
334	Degradation of azo dye acid orange 7 in a membrane bioreactor by pellets and attached growth of Coriolus versicolour. *Bioresource Technology*, **2013**, 141, 29-34	11	49
333	A novel electrospun, hydrophobic, and elastomeric styrene-butadiene-styrene membrane for membrane distillation applications. *Journal of Membrane Science*, **2018**, 549, 420-427	9.6	49
332	Evaluating the sustainability of free water surface flow constructed wetlands: Methane and nitrous oxide emissions. *Journal of Cleaner Production*, **2017**, 147, 152-156	10.3	48

331	Membrane fouling reduction and improvement of sludge characteristics by bioflocculant addition in submerged membrane bioreactor. *Separation and Purification Technology*, **2015**, 156, 450-458	8.3	48
330	A novel osmosis membrane bioreactor-membrane distillation hybrid system for wastewater treatment and reuse. *Bioresource Technology*, **2016**, 209, 8-15	11	48
329	Effects of COD/N ratio on soluble microbial products in effluent from sequencing batch reactors and subsequent membrane fouling. *Water Research*, **2018**, 134, 13-21	12.5	47
328	Synthesis, properties, water and solute permeability of MWNT buckypapers. *Journal of Membrane Science*, **2014**, 456, 175-184	9.6	47
327	An Osmotic Membrane Bioreactor-Membrane Distillation System for Simultaneous Wastewater Reuse and Seawater Desalination: Performance and Implications. *Environmental Science & Technology*, **2017**, 51, 14311-14320	10.3	47
326	Removal of trace organic contaminants by submerged membrane bioreactors. *Desalination*, **2009**, 236, 127-134	10.3	47
325	Liquid desiccant lithium chloride regeneration by membrane distillation for air conditioning. *Separation and Purification Technology*, **2017**, 177, 121-128	8.3	46
324	N-nitrosamine rejection by reverse osmosis membranes: a full-scale study. *Water Research*, **2013**, 47, 6141-8	12.5	46
323	Changes in surface properties and separation efficiency of a nanofiltration membrane after repeated fouling and chemical cleaning cycles. *Separation and Purification Technology*, **2013**, 113, 42-50	8.3	46
322	The effects of feed solution temperature on pore size and trace organic contaminant rejection by the nanofiltration membrane NF270. *Separation and Purification Technology*, **2014**, 125, 43-51	8.3	46
321	Exploring an innovative surfactant and phosphate-based draw solution for forward osmosis desalination. *Journal of Membrane Science*, **2015**, 489, 212-219	9.6	45
320	Nutrient and trace organic contaminant removal from wastewater of a resort town: Comparison between a pilot and a full scale membrane bioreactor. *International Biodeterioration and Biodegradation*, **2015**, 102, 40-48	4.8	45
319	Insight into biological phosphate recovery from sewage. *Bioresource Technology*, **2016**, 218, 874-81	11	45
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