Huu Hao Ngo

List of Publications by Citations

400 papers	16,323 citations	60 h-index	113 g-index
409 ext. papers	20,426 ext. citations	9.2 avg, IF	7.27 L-index

#	Paper	IF	Citations
400	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
399	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
398	Adsorptive removal of antibiotics from water and wastewater: Progress and challenges. *Science of the Total Environment*, **2015**, 532, 112-26	10.2	606
397	A review on the sustainability of constructed wetlands for wastewater treatment: Design and operation. *Bioresource Technology*, **2015**, 175, 594-601	11	557
396	A mini review on renewable sources for biofuel. *Bioresource Technology*, **2014**, 169, 742-749	11	310
395	Insight into metabolic and cometabolic activities of autotrophic and heterotrophic microorganisms in the biodegradation of emerging trace organic contaminants. *Bioresource Technology*, **2013**, 146, 721-731	11	293
394	Investigating the mechanisms of biochar's removal of lead from solution. *Bioresource Technology*, **2015**, 177, 308-17	11	255
393	Typical low cost biosorbents for adsorptive removal of specific organic pollutants from water. *Bioresource Technology*, **2015**, 182, 353-363	11	206
392	Industrial metal pollution in water and probabilistic assessment of human health risk. *Journal of Environmental Management*, **2017**, 185, 70-78	7.9	203
391	Single and competitive sorption properties and mechanism of functionalized biochar for removing sulfonamide antibiotics from water. *Chemical Engineering Journal*, **2017**, 311, 348-358	14.7	194
390	Insight into biochar properties and its cost analysis. *Biomass and Bioenergy*, **2016**, 84, 76-86	5.3	174
389	Nitrogen removal in intermittently aerated vertical flow constructed wetlands: impact of influent COD/N ratios. *Bioresource Technology*, **2013**, 143, 461-6	11	157
388	The roles of free ammonia (FA) in biological wastewater treatment processes: A review. *Environment International*, **2019**, 123, 10-19	12.9	157
387	Application of a breakthrough biosorbent for removing heavy metals from synthetic and real wastewaters in a lab-scale continuous fixed-bed column. *Bioresource Technology*, **2017**, 229, 78-87	11	151
386	Insight into chemical phosphate recovery from municipal wastewater. *Science of the Total Environment*, **2017**, 576, 159-171	10.2	147
385	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
384	Implementation of a specific urban water management - Sponge City. *Science of the Total Environment*, **2019**, 652, 147-162	10.2	138

383	Intermittent aeration strategy to enhance organics and nitrogen removal in subsurface flow constructed wetlands. *Bioresource Technology*, **2013**, 141, 117-22	11	131
382	A critical review on advances in the practices and perspectives for the treatment of dye industry wastewater. *Bioengineered*, **2021**, 12, 70-87	5.7	123
381	Competitive sorption affinity of sulfonamides and chloramphenicol antibiotics toward functionalized biochar for water and wastewater treatment. *Bioresource Technology*, **2017**, 238, 306-312	11	118
380	Removing ammonium from water using modified corncob-biochar. *Science of the Total Environment*, **2017**, 579, 612-619	10.2	118
379	Decentralized domestic wastewater treatment using intermittently aerated vertical flow constructed wetlands: impact of influent strengths. *Bioresource Technology*, **2015**, 176, 163-8	11	117
378	Optimizations on supply and distribution of dissolved oxygen in constructed wetlands: A review. *Bioresource Technology*, **2016**, 214, 797-805	11	117
377	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
376	A critical review on membrane hybrid system for nutrient recovery from wastewater. *Chemical Engineering Journal*, **2018**, 348, 143-156	14.7	105
375	A critical review on sustainability assessment of recycled water schemes. *Science of the Total Environment*, **2012**, 426, 13-31	10.2	104
374	Challenges in biogas production from anaerobic membrane bioreactors. *Renewable Energy*, **2016**, 98, 120-134	8.1	102
373	A critical review on ammonium recovery from wastewater for sustainable wastewater management. *Bioresource Technology*, **2018**, 268, 749-758	11	101
372	Anaerobic membrane bioreactors for antibiotic wastewater treatment: Performance and membrane fouling issues. *Bioresource Technology*, **2018**, 267, 714-724	11	98
371	Is denitrifying anaerobic methane oxidation-centered technologies a solution for the sustainable operation of wastewater treatment Plants?. *Bioresource Technology*, **2017**, 234, 456-465	11	96
370	A breakthrough biosorbent in removing heavy metals: Equilibrium, kinetic, thermodynamic and mechanism analyses in a lab-scale study. *Science of the Total Environment*, **2016**, 542, 603-11	10.2	96
369	Enhanced nitrogen removal in constructed wetlands: effects of dissolved oxygen and step-feeding. *Bioresource Technology*, **2014**, 169, 395-402	11	93
368	Microbial fuel cell-based biosensor for online monitoring wastewater quality: A critical review. *Science of the Total Environment*, **2020**, 712, 135612	10.2	90
367	Characterization of a multi-metal binding biosorbent: Chemical modification and desorption studies. *Bioresource Technology*, **2015**, 193, 477-87	11	89
366	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

365	Biofouling and control approaches in membrane bioreactors. *Bioresource Technology*, **2016**, 221, 656-665	11	88
364	Fecal pollution source tracking toolbox for identification, evaluation and characterization of fecal contamination in receiving urban surface waters and groundwater. *Science of the Total Environment* , **2015**, 538, 38-57	10.2	87
363	Treatment of wastewater from petroleum industry: current practices and perspectives. *Environmental Science and Pollution Research*, **2020**, 27, 27172-27180	5.1	85
362	Optimal conditions for preparation of banana peels, sugarcane bagasse and watermelon rind in removing copper from water. *Bioresource Technology*, **2012**, 119, 349-54	11	84
361	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
360	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
359	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
358	A critical review on designs and applications of microalgae-based photobioreactors for pollutants treatment. *Science of the Total Environment*, **2019**, 651, 1549-1568	10.2	80
357	Anaerobic dynamic membrane bioreactor (AnDMBR) for wastewater treatment: A review. *Bioresource Technology*, **2018**, 247, 1107-1118	11	79
356	A critical review on characterization strategies of organic matter for wastewater and water treatment processes. *Bioresource Technology*, **2015**, 193, 523-33	11	78
355	Feasibility study on a new pomelo peel derived biochar for tetracycline antibiotics removal in swine wastewater. *Science of the Total Environment*, **2020**, 720, 137662	10.2	77
354	Comparison study on the ammonium adsorption of the biochars derived from different kinds of fruit peel. *Science of the Total Environment*, **2020**, 707, 135544	10.2	74
353	Nitrous oxide emission in low-oxygen simultaneous nitrification and denitrification process: sources and mechanisms. *Bioresource Technology*, **2013**, 136, 444-51	11	73
352	Sorptive removal of phenolic endocrine disruptors by functionalized biochar: Competitive interaction mechanism, removal efficacy and application in wastewater. *Chemical Engineering Journal*, **2018**, 335, 801-811	14.7	72
351	Free nitrous acid-based nitrifying sludge treatment in a two-sludge system enhances nutrient removal from low-carbon wastewater. *Bioresource Technology*, **2017**, 244, 920-928	11	71
350	Characterization and sulfonamide antibiotics adsorption capacity of spent coffee grounds based biochar and hydrochar. *Science of the Total Environment*, **2020**, 716, 137015	10.2	68
349	Removal and fate of micropollutants in a sponge-based moving bed bioreactor. *Bioresource Technology*, **2014**, 159, 311-9	11	66
348	Nitrogen removal and nitrous oxide emission in surface flow constructed wetlands for treating sewage treatment plant effluent: Effect of C/N ratios. *Bioresource Technology*, **2017**, 240, 157-164	11	65

347	Towards stable operation of a dynamic membrane bioreactor (DMBR): Operational process, behavior and retention effect of dynamic membrane. *Journal of Membrane Science*, **2016**, 498, 20-29	9.6	65
346	Approach of describing dynamic production of volatile fatty acids from sludge alkaline fermentation. *Bioresource Technology*, **2017**, 238, 343-351	11	64
345	Biohydrogen production from anaerobic digestion and its potential as renewable energy. *Renewable Energy*, **2018**, 129, 754-768	8.1	64
344	Role of extracellular polymeric substances in biosorption of dye wastewater using aerobic granular sludge. *Bioresource Technology*, **2015**, 185, 14-20	11	63
343	Microbial abundance and community in subsurface flow constructed wetland microcosms: role of plant presence. *Environmental Science and Pollution Research*, **2016**, 23, 4036-45	5.1	62
342	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
341	Intensified organics and nitrogen removal in the intermittent-aerated constructed wetland using a novel sludge-ceramsite as substrate. *Bioresource Technology*, **2016**, 210, 101-7	11	61
340	Enhancement of aerobic granulation by zero-valent iron in sequencing batch airlift reactor. *Journal of Hazardous Materials*, **2014**, 279, 511-7	12.8	60
339	Arsenic removal by iron oxide coated sponge: experimental performance and mathematical models. *Journal of Hazardous Materials*, **2010**, 182, 723-9	12.8	59
338	Evaluation of Nitrous Oxide Emission from Sulfide- and Sulfur-Based Autotrophic Denitrification Processes. *Environmental Science & Technology*, **2016**, 50, 9407-15	10.3	59
337	A Critical Review on the End Uses of Recycled Water. *Critical Reviews in Environmental Science and Technology*, **2013**, 43, 1446-1516	11.1	58
336	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
335	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
334	In-situ monitoring techniques for membrane fouling and local filtration characteristics in hollow fiber membrane processes: A critical review. *Journal of Membrane Science*, **2017**, 528, 187-200	9.6	55
333	Effect of filling fraction on the performance of sponge-based moving bed biofilm reactor. *Bioresource Technology*, **2016**, 219, 762-767	11	54
332	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
331	Food waste based biochars for ammonia nitrogen removal from aqueous solutions. *Bioresource Technology*, **2019**, 292, 121927	11	53
330	Biodecolorization of textile azo dye using sp. strain CH12 isolated from alkaline lake. *Biotechnology Reports (Amsterdam, Netherlands)*, **2017**, 15, 92-100	5.3	53

329	Optimization of organics and nitrogen removal in intermittently aerated vertical flow constructed wetlands: Effects of aeration time and aeration rate. *International Biodeterioration and Biodegradation*, **2016**, 113, 139-145	4.8	53
328	Nitrogen removal via nitrite in a partial nitrification sequencing batch biofilm reactor treating high strength ammonia wastewater and its greenhouse gas emission. *Bioresource Technology*, **2017**, 230, 49-55	11	52
327	Effect of intermittent aeration cycle on nutrient removal and microbial community in a fluidized bed reactor-membrane bioreactor combo system. *Bioresource Technology*, **2014**, 156, 195-205	11	52
326	Poly-and perfluoroalkyl substances in water and wastewater: A comprehensive review from sources to remediation. *Journal of Water Process Engineering*, **2020**, 36, 101393	6.7	51
325	Novel stepwise pH control strategy to improve short chain fatty acid production from sludge anaerobic fermentation. *Bioresource Technology*, **2018**, 249, 431-438	11	51
324	Engineering biocatalytic material for the remediation of pollutants: A comprehensive review. *Environmental Technology and Innovation*, **2020**, 20, 101063	7	51
323	A review on sludge dewatering indices. *Water Science and Technology*, **2016**, 74, 1-16	2.2	51
322	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
321	Dry semi-continuous anaerobic digestion of food waste in the mesophilic and thermophilic modes: New aspects of sustainable management and energy recovery in South Korea. *Energy Conversion and Management*, **2017**, 135, 445-452	10.6	50
320	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
319	A mini-review on the impacts of climate change on wastewater reclamation and reuse. *Science of the Total Environment*, **2014**, 494-495, 9-17	10.2	50
318	Disability adjusted life year (DALY): a useful tool for quantitative assessment of environmental pollution. *Science of the Total Environment*, **2015**, 511, 268-87	10.2	50
317	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
316	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
315	A novel osmosis membrane bioreactor-membrane distillation hybrid system for wastewater treatment and reuse. *Bioresource Technology*, **2016**, 209, 8-15	11	48
314	Enhancement of surface flow constructed wetlands performance at low temperature through seasonal plant collocation. *Bioresource Technology*, **2017**, 224, 222-228	11	48
313	Simultaneous analysis of multiple classes of antimicrobials in environmental water samples using SPE coupled with UHPLC-ESI-MS/MS and isotope dilution. *Talanta*, **2016**, 159, 163-173	6.2	48
312	A critical review on various feedstocks as sustainable substrates for biosurfactants production: a way towards cleaner production. *Microbial Cell Factories*, **2021**, 20, 120	6.4	46

311	Exploring an innovative surfactant and phosphate-based draw solution for forward osmosis desalination. *Journal of Membrane Science*, **2015**, 489, 212-219	9.6	45
310	Strategies and techniques to enhance constructed wetland performance for sustainable wastewater treatment. *Environmental Science and Pollution Research*, **2015**, 22, 14637-50	5.1	45
309	Micropollutants removal and health risk reduction in a water reclamation and ecological reuse system. *Water Research*, **2018**, 138, 272-281	12.5	45
308	Insight into biological phosphate recovery from sewage. *Bioresource Technology*, **2016**, 218, 874-81	11	45
307	Nutrients removal performance and sludge properties using anaerobic fermentation slurry from food waste as an external carbon source for wastewater treatment. *Bioresource Technology*, **2019**, 271, 125-135	11	45
306	Trends in dye industry effluent treatment and recovery of value added products. *Journal of Water Process Engineering*, **2021**, 39, 101734	6.7	45
305	Thermophilic anaerobic digestion of model organic wastes: Evaluation of biomethane production and multiple kinetic models analysis. *Bioresource Technology*, **2019**, 280, 269-276	11	44
304	Application of anaerobic granular sludge for competitive biosorption of methylene blue and Pb(II): Fluorescence and response surface methodology. *Bioresource Technology*, **2015**, 194, 297-304	11	44
303	Simultaneous improvement of waste gas purification and nitrogen removal using a novel aerated vertical flow constructed wetland. *Water Research*, **2018**, 130, 79-87	12.5	44
302	Applying fermentation liquid of food waste as carbon source to a pilot-scale anoxic/oxic-membrane bioreactor for enhancing nitrogen removal: Microbial communities and membrane fouling behaviour. *Bioresource Technology*, **2017**, 236, 164-173	11	43
301	Insight into greenhouse gases emissions from the two popular treatment technologies in municipal wastewater treatment processes. *Science of the Total Environment*, **2019**, 671, 1302-1313	10.2	43
300	Effect of organic loading rate on the recovery of nutrients and energy in a dual-chamber microbial fuel cell. *Bioresource Technology*, **2019**, 281, 367-373	11	43
299	Performance of microbial fuel cell for treating swine wastewater containing sulfonamide antibiotics. *Bioresource Technology*, **2020**, 311, 123588	11	43
298	Enhanced high-quality biomethane production from anaerobic digestion of primary sludge by corn stover biochar. *Bioresource Technology*, **2020**, 306, 123159	11	43
297	Removal of organic matter from effluents by Magnetic Ion Exchange (MIEX). *Desalination*, **2011**, 276, 96-102	10.3	43
296	Exploring high charge of phosphate as new draw solute in a forward osmosis-membrane distillation hybrid system for concentrating high-nutrient sludge. *Science of the Total Environment*, **2016**, 557-558, 44-50	10.2	42
295	Autotrophic nitrogen removal in membrane-aerated biofilms: Archaeal ammonia oxidation versus bacterial ammonia oxidation. *Chemical Engineering Journal*, **2016**, 302, 535-544	14.7	41
294	Effects of interspecific competition on the growth of macrophytes and nutrient removal in constructed wetlands: A comparative assessment of free water surface and horizontal subsurface flow systems. *Bioresource Technology*, **2016**, 207, 134-41	11	40

293	Effects of hydraulic retention time and bioflocculant addition on membrane fouling in a sponge-submerged membrane bioreactor. *Bioresource Technology*, **2016**, 210, 11-7	11	40
292	Effects of powdered activated carbon addition on filtration performance and dynamic membrane layer properties in a hybrid DMBR process. *Chemical Engineering Journal*, **2017**, 327, 39-50	14.7	39
291	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. *Bioresource Technology*, **2016**, 218, 286-93	11	39
290	Impact of reactor configurations on the performance of a granular anaerobic membrane bioreactor for municipal wastewater treatment. *International Biodeterioration and Biodegradation*, **2017**, 121, 131-138	4.8	38
289	Applicability of a novel osmotic membrane bioreactor using a specific draw solution in wastewater treatment. *Science of the Total Environment*, **2015**, 518-519, 586-94	10.2	38
288	Effect of plant harvesting on the performance of constructed wetlands during winter: radial oxygen loss and microbial characteristics. *Environmental Science and Pollution Research*, **2015**, 22, 7476-84	5.1	38
287	Nitrogen removal enhancement using lactic acid fermentation products from food waste as external carbon sources: Performance and microbial communities. *Bioresource Technology*, **2018**, 256, 259-268	11	38
286	New insight into fouling behavior and foulants accumulation property of cake sludge in a full-scale membrane bioreactor. *Journal of Membrane Science*, **2016**, 510, 10-17	9.6	37
285	Partial nitrification granular sludge reactor as a pretreatment for anaerobic ammonium oxidation (Anammox): Achievement, performance and microbial community. *Bioresource Technology*, **2018**, 269, 25-31	11	37
284	New and practical mathematical model of membrane fouling in an aerobic submerged membrane bioreactor. *Bioresource Technology*, **2017**, 238, 86-94	11	36
283	Biosorption performance evaluation of heavy metal onto aerobic granular sludge-derived biochar in the presence of effluent organic matter via batch and fluorescence approaches. *Bioresource Technology*, **2018**, 249, 410-416	11	36
282	A new hybrid treatment system of bioreactors and electrocoagulation for superior removal of organic and nutrient pollutants from municipal wastewater. *Bioresource Technology*, **2014**, 153, 116-25	11	36
281	Contribution of antibiotics to the fate of antibiotic resistance genes in anaerobic treatment processes of swine wastewater: A review. *Bioresource Technology*, **2020**, 299, 122654	11	36
280	Removal process of antibiotics during anaerobic treatment of swine wastewater. *Bioresource Technology*, **2020**, 300, 122707	11	36
279	Rapid start-up of the anammox process: Effects of five different sludge extracellular polymeric substances on the activity of anammox bacteria. *Bioresource Technology*, **2016**, 220, 641-646	11	35
278	Magnetic ion exchange (MIEX®) resin as a pre-treatment to a submerged membrane system in the treatment of biologically treated wastewater. *Desalination*, **2006**, 192, 296-302	10.3	35
277	System performance and microbial community succession in a partial nitrification biofilm reactor in response to salinity stress. *Bioresource Technology*, **2018**, 270, 512-518	11	35
276	Occurrence, fate and health risk assessment of 10 common antibiotics in two drinking water plants with different treatment processes. *Science of the Total Environment*, **2019**, 674, 316-326	10.2	34

275	Selective production of volatile fatty acids at different pH in an anaerobic membrane bioreactor. *Bioresource Technology*, **2019**, 283, 120-128	11	34
274	Effect on physical and chemical characteristics of activated carbon on adsorption of trimethoprim: mechanisms study. *RSC Advances*, **2015**, 5, 85187-85195	3.7	34
273	Co-culture of microalgae-activated sludge for wastewater treatment and biomass production: Exploring their role under different inoculation ratios. *Bioresource Technology*, **2020**, 314, 123754	11	34
272	Advances in thermostable laccase and its current application in lignin-first biorefinery: A review. *Bioresource Technology*, **2020**, 298, 122511	11	34
271	New insights for enhancing the performance of constructed wetlands at low temperatures. *Bioresource Technology*, **2020**, 301, 122722	11	34
270	Life cycle assessment of sewage sludge treatment and disposal based on nutrient and energy recovery: A review. *Science of the Total Environment*, **2021**, 769, 144451	10.2	34
269	Dynamic membrane-assisted fermentation of food wastes for enhancing lactic acid production. *Bioresource Technology*, **2017**, 234, 40-47	11	32
268	Characterization of soluble microbial products in a partial nitrification sequencing batch biofilm reactor treating high ammonia nitrogen wastewater. *Bioresource Technology*, **2018**, 249, 241-246	11	32
267	Responses of community to the possible use of recycled water for washing machines: A case study in Sydney, Australia. *Resources, Conservation and Recycling*, **2011**, 55, 535-540	11.9	32
266	A new model framework for sponge city implementation: Emerging challenges and future developments. *Journal of Environmental Management*, **2020**, 253, 109689	7.9	32
265	New perspectives on microbial communities and biological nitrogen removal processes in wastewater treatment systems. *Bioresource Technology*, **2020**, 297, 122491	11	32
264	Optimization of hydraulic retention time and organic loading rate for volatile fatty acid production from low strength wastewater in an anaerobic membrane bioreactor. *Bioresource Technology*, **2019**, 271, 100-108	11	32
263	Performance, microbial community and fluorescent characteristic of microbial products in a solid-phase denitrification biofilm reactor for WWTP effluent treatment. *Journal of Environmental Management*, **2018**, 227, 375-385	7.9	32
262	High rate nitrogen removal by ANAMMOX internal circulation reactor (IC) for old landfill leachate treatment. *Bioresource Technology*, **2017**, 234, 281-288	11	31
261	Improving low-temperature performance of surface flow constructed wetlands using Potamogeton crispus L. plant. *Bioresource Technology*, **2016**, 218, 1257-60	11	31
260	Nitrogen removal characteristics of indigenous aerobic denitrifiers and changes in the microbial community of a reservoir enclosure system via in situ oxygen enhancement using water lifting and aeration technology. *Bioresource Technology*, **2016**, 214, 63-73	11	31
259	Assessment of multiple hormone activities of a UV-filter (octocrylene) in zebrafish (Danio rerio). *Chemosphere*, **2016**, 159, 433-441	8.4	31
258	Micropollutants cometabolism of microalgae for wastewater remediation: Effect of carbon sources to cometabolism and degradation products. *Water Research*, **2020**, 183, 115974	12.5	30

257	Experimental investigation of local flux distribution and fouling behavior in double-end and dead-end submerged hollow fiber membrane modules. *Journal of Membrane Science*, **2014**, 453, 18-26	9.6	30
256	Chloramphenicol interaction with functionalized biochar in water: sorptive mechanism, molecular imprinting effect and repeatable application. *Science of the Total Environment*, **2017**, 609, 885-895	10.2	30
255	Enhanced nutrient removal and mechanisms study in benthic fauna added surface-flow constructed wetlands: The role of Tubifex tubifex. *Bioresource Technology*, **2017**, 224, 157-165	11	29
254	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. *Waste Management*, **2017**, 66, 161-168	8.6	28
253	Effect of phosphorus load on nutrients removal and N□O emission during low-oxygen simultaneous nitrification and denitrification process. *Bioresource Technology*, **2013**, 141, 123-30	11	27
252	Behavior of nitrogen removal in an aerobic sponge based moving bed biofilm reactor. *Bioresource Technology*, **2017**, 245, 1282-1285	11	27
251	Upflow anaerobic dynamic membrane bioreactor (AnDMBR) for wastewater treatment at room temperature and short HRTs: Process characteristics and practical applicability. *Chemical Engineering Journal*, **2020**, 383, 123186	14.7	27
250	Assessment of microbial products in the biosorption process of Cu(II) onto aerobic granular sludge: Extracellular polymeric substances contribution and soluble microbial products release. *Journal of Colloid and Interface Science*, **2018**, 527, 87-94	9.3	27
249	Gel immobilization: A strategy to improve the performance of anaerobic ammonium oxidation (anammox) bacteria for nitrogen-rich wastewater treatment. *Bioresource Technology*, **2020**, 313, 123642	11	26
248	Effect of magnetic powder on membrane fouling mitigation and microbial community/composition in membrane bioreactors (MBRs) for municipal wastewater treatment. *Bioresource Technology*, **2018**, 249, 377-385	11	26
247	Removal and degradation mechanisms of sulfonamide antibiotics in a new integrated aerobic submerged membrane bioreactor system. *Bioresource Technology*, **2018**, 268, 599-607	11	26
246	Improving sulfonamide antibiotics removal from swine wastewater by supplying a new pomelo peel derived biochar in an anaerobic membrane bioreactor. *Bioresource Technology*, **2021**, 319, 124160	11	26
245	Bio-based rhamnolipids production and recovery from waste streams: Status and perspectives. *Bioresource Technology*, **2021**, 319, 124213	11	26
244	Can membrane bioreactor be a smart option for water treatment?. *Bioresource Technology Reports*, **2018**, 4, 80-87	4.1	26
243	Nutrient recovery from wastewater: From technology to economy. *Bioresource Technology Reports*, **2020**, 11, 100425	4.1	25
242	Assimilable organic carbon (AOC) variation in reclaimed water: Insight on biological stability evaluation and control for sustainable water reuse. *Bioresource Technology*, **2018**, 254, 290-299	11	25
241	Effect of granular activated carbon addition on the effluent properties and fouling potentials of membrane-coupled expanded granular sludge bed process. *Bioresource Technology*, **2014**, 171, 240-6	11	25
240	Investigation of backwashing effectiveness in membrane bioreactor (MBR) based on different membrane fouling stages. *Bioresource Technology*, **2018**, 269, 355-362	11	25

239	Roles and applications of enzymes for resistant pollutants removal in wastewater treatment. *Bioresource Technology*, **2021**, 335, 125278	11	25
238	The treatability of trace organic pollutants in WWTP effluent and associated biotoxicity reduction by advanced treatment processes for effluent quality improvement. *Water Research*, **2019**, 159, 423-433	12.5	24
237	Molecular characterization of long-term impacts of macrophytes harvest management in constructed wetlands. *Bioresource Technology*, **2018**, 268, 514-522	11	24
236	Microbial Fingerprinting of Potential Biodegrading Organisms. *Current Pollution Reports*, **2019**, 5, 181-197	7.6	24
235	Characterization of a hybrid powdered activated carbon-dynamic membrane bioreactor (PAC-DMBR) process with high flux by gravity flow: Operational performance and sludge properties. *Bioresource Technology*, **2017**, 223, 65-73	11	24
234	Microalgae for saline wastewater treatment: a critical review. *Critical Reviews in Environmental Science and Technology*, **2020**, 50, 1224-1265	11.1	24
233	Effect of fluctuating hydraulic retention time (HRT) on denitrification in the UASB reactors. *Biochemical Engineering Journal*, **2018**, 132, 29-37	4.2	23
232	Removal mechanisms and plant species selection by bioaccumulative factors in surface flow constructed wetlands (CWs): In the case of triclosan. *Science of the Total Environment*, **2016**, 547, 9-16	10.2	23
231	Sorptive removal of dissolved organic matter in biologically-treated effluent by functionalized biochar and carbon nanotubes: Importance of sorbent functionality. *Bioresource Technology*, **2018**, 269, 9-17	11	23
230	Non-suspended microalgae cultivation for wastewater refinery and biomass production. *Bioresource Technology*, **2020**, 308, 123320	11	22
229	Microbial fuel cell for nutrient recovery and electricity generation from municipal wastewater under different ammonium concentrations. *Bioresource Technology*, **2019**, 292, 121992	11	22
228	Impacts of typical pharmaceuticals and personal care products on the performance and microbial community of a sponge-based moving bed biofilm reactor. *Bioresource Technology*, **2020**, 295, 122298	11	22
227	Rapid start-up of the anammox process by denitrifying granular sludge and the mechanism of the anammox electron transport chain. *Biochemical Engineering Journal*, **2016**, 115, 101-107	4.2	22
226	Fluoride removal from water using a magnesia-pullulan composite in a continuous fixed-bed column. *Journal of Environmental Management*, **2018**, 206, 929-937	7.9	22
225	Recovery of resources from industrial wastewater employing electrochemical technologies: status, advancements and perspectives. *Bioengineered*, **2021**, 12, 4697-4718	5.7	22
224	Large-scale multi-stage constructed wetlands for secondary effluents treatment in northern China: Carbon dynamics. *Environmental Pollution*, **2018**, 233, 933-942	9.3	21
223	A new combined inorganic–organic flocculant (CIOF) as a performance enhancer for aerated submerged membrane bioreactor. *Separation and Purification Technology*, **2010**, 75, 204-209	8.3	21
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