

Huu Hao Ngo

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.

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	Carbon dioxide fixation and phycoremediation by algae-based technologies for biofuels and biomaterials 2022 , 253-277		
399	Life-cycle assessment on sequestration of greenhouse gases for the production of biofuels and biomaterials 2022 , 179-202		
398	Algae-mediated antibiotic wastewater treatment: A critical review. <i>Environmental Science and Ecotechnology</i> , 2022 , 9, 100145	7.4	7
397	Enhancement of urea removal from reclaimed water using thermally modified spent coffee ground biochar activated by adding peroxymonosulfate for ultrapure water production.. <i>Bioresource Technology</i> , 2022 , 349, 126850	11	0
396	Advanced oxidation processes (AOPs)-based sludge conditioning for enhanced sludge dewatering and micropollutants removal: A critical review. <i>Journal of Water Process Engineering</i> , 2022 , 45, 102468	6.7	8
395	Opportunities and challenges in omics approaches for biosurfactant production and feasibility of site remediation: Strategies and advancements. <i>Environmental Technology and Innovation</i> , 2022 , 25, 102132	7.32	9
394	Composting and its application in bioremediation of organic contaminants.. <i>Bioengineered</i> , 2022 , 13, 1073-1089	5.7	1
393	Current application of algae derivatives for bioplastic production: A review.. <i>Bioresource Technology</i> , 2022 , 347, 126698	11	8
392	Recent advances in circular bioeconomy based clean technologies for sustainable environment. <i>Journal of Water Process Engineering</i> , 2022 , 46, 102534	6.7	1
391	Phthalates in the environment: characteristics, fate and transport, and advanced wastewater treatment technologies. <i>Bioresource Technology</i> , 2022 , 344, 126249	11	6
390	Co-culture of microalgae-activated sludge in sequencing batch photobioreactor systems: Effects of natural and artificial lighting on wastewater treatment. <i>Bioresource Technology</i> , 2022 , 343, 126091	11	8
389	Non-submerged attached growth process for domestic wastewater treatment: Influence of media types and internal recirculation ratios. <i>Bioresource Technology</i> , 2022 , 343, 126125	11	1
388	A new spent coffee grounds based biochar - Persulfate catalytic system for enhancement of urea removal in reclaimed water for ultrapure water production. <i>Chemosphere</i> , 2022 , 288, 132459	8.4	4
387	Effects of the metabolic uncoupler TCS on residual sludge treatment: Analyses of the microbial community and sludge dewaterability potential. <i>Chemosphere</i> , 2022 , 288, 132473	8.4	4
386	Urea removal in reclaimed water used for ultrapure water production by spent coffee biochar/granular activated carbon activating peroxymonosulfate and peroxydisulfate. <i>Bioresource Technology</i> , 2022 , 343, 126062	11	5
385	Biochar sorption of perfluoroalkyl substances (PFASs) in aqueous film-forming foams-impacted groundwater: Effects of PFASs properties and groundwater chemistry. <i>Chemosphere</i> , 2022 , 286, 131622	8.4	4
384	Advancements in heavy metals removal from effluents employing nano-adsorbents: Way towards cleaner production. <i>Environmental Research</i> , 2022 , 203, 111815	7.9	17

383	Effective destruction of perfluorooctanoic acid by zero-valent iron laden biochar obtained from carbothermal reduction: Experimental and simulation study. <i>Science of the Total Environment</i> , 2022 , 805, 150326	10.2	2
382	A novel intelligence approach based active and ensemble learning for agricultural soil organic carbon prediction using multispectral and SAR data fusion. <i>Science of the Total Environment</i> , 2022 , 804, 150187	10.2	10
381	Zirconium hydroxide nanoparticle encapsulated magnetic biochar composite derived from rice residue: Application for As(III) and As(V) polluted water purification. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127081	12.8	16
380	Microbial electrolysis: a promising approach for treatment and resource recovery from industrial wastewater.. <i>Bioengineered</i> , 2022 , 13, 8115-8134	5.7	0
379	Sustainable strategies for combating hydrocarbon pollution: Special emphasis on mobil oil bioremediation.. <i>Science of the Total Environment</i> , 2022 , 155083	10.2	3
378	A low-cost approach for soil moisture prediction using multi-sensor data and machine learning algorithm.. <i>Science of the Total Environment</i> , 2022 , 155066	10.2	1
377	Sorptive removal of ibuprofen from water by natural porous biochar derived from recyclable plane tree leaf waste. <i>Journal of Water Process Engineering</i> , 2022 , 46, 102627	6.7	0
376	Comparison of degradation kinetics of tannery wastewater treatment using a nonlinear model by salt-tolerant <i>Nitrosomonas</i> sp. and <i>Nitrobacter</i> sp.. <i>Bioresource Technology</i> , 2022 , 351, 127000	11	1
375	Advanced strategies for enhancing dark fermentative biohydrogen production from biowaste towards sustainable environment.. <i>Bioresource Technology</i> , 2022 , 351, 127045	11	2
374	Characterization of nitrous oxide and nitrite accumulation during iron (Fe(0))- and ferrous iron (Fe(II))-driven autotrophic denitrification: mechanisms, environmental impact factors and molecular microbial characterization. <i>Chemical Engineering Journal</i> , 2022 , 438, 135627	14.7	2
373	Advances and prospects of porphyrin-based nanomaterials via self-assembly for photocatalytic applications in environmental treatment. <i>Coordination Chemistry Reviews</i> , 2022 , 463, 214543	23.2	1
372	Exploring potential machine learning application based on big data for prediction of wastewater quality from different full-scale wastewater treatment plants.. <i>Science of the Total Environment</i> , 2022 , 832, 154930	10.2	0
371	Characterization and flocculation performance of a newly green flocculant derived from natural bagasse cellulose.. <i>Chemosphere</i> , 2022 , 301, 134615	8.4	0
370	A new deep learning approach based on bilateral semantic segmentation models for sustainable estuarine wetland ecosystem management.. <i>Science of the Total Environment</i> , 2022 , 155826	10.2	1
369	Sustainable management of municipal solid waste through waste-to-energy technologies.. <i>Bioresource Technology</i> , 2022 , 355, 127247	11	3
368	Influence of C/N ratios on treatment performance and biomass production during co-culture of microalgae and activated sludge.. <i>Science of the Total Environment</i> , 2022 , 837, 155832	10.2	0
367	Effect of humic acid on phenanthrene removal by constructed wetlands using birnessite as a substrate. <i>RSC Advances</i> , 2022 , 12, 15231-15239	3.7	0
366	Sustainability assessment of algae-based biomaterials 2022 , 237-250		

365	Impact factors and novel strategies for improving biohydrogen production in microbial electrolysis cells.. <i>Bioresource Technology</i> , 2021 , 126588	11	3
364	Improvement of sludge dewaterability by energy uncoupling combined with chemical re-flocculation: Reconstruction of floc, distribution of extracellular polymeric substances, and structure change of proteins. <i>Science of the Total Environment</i> , 2021 , 151646	10.2	1
363	Recent advances in attached growth membrane bioreactor systems for wastewater treatment. <i>Science of the Total Environment</i> , 2021 , 152123	10.2	6
362	Activated nano-Al ₂ O ₃ loaded on polyurethane foam as a potential carrier for fluorine removal. <i>Journal of Water Process Engineering</i> , 2021 , 44, 102444	6.7	0
361	Bio-membrane integrated systems for nitrogen recovery from wastewater in circular bioeconomy. <i>Chemosphere</i> , 2021 , 289, 133175	8.4	2
360	Trends in mitigation of industrial waste: Global health hazards, environmental implications and waste derived economy for environmental sustainability.. <i>Science of the Total Environment</i> , 2021 , 811, 152357	10.2	13
359	A dual chamber microbial fuel cell based biosensor for monitoring copper and arsenic in municipal wastewater.. <i>Science of the Total Environment</i> , 2021 , 811, 152261	10.2	6
358	Analysis of event stratigraphy and hydrological reconstruction of low-frequency flooding: A case study on the Fenhe River, China. <i>Journal of Hydrology</i> , 2021 , 603, 127083	6	2
357	A critical review on advances in the practices and perspectives for the treatment of dye industry wastewater. <i>Bioengineered</i> , 2021 , 12, 70-87	5.7	123
356	Status of water use and potential of rainwater harvesting for replacing centralized supply system in remote mountainous areas: a case study. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 63589-63598	5.1	1
355	Microbial analysis for the ammonium removal from landfill leachate in an aerobic granular sludge sequencing batch reactor. <i>Bioresource Technology</i> , 2021 , 324, 124639	11	6
354	Methane Recovery from Landfills 2021 , 699-722		
353	Approaches Toward Resource Recovery from Breeding Wastewater 2021 , 559-599		
352	Pertinent Issues of Algal Energy and Bio-Product Development A Biorefinery Perspective 2021 , 199-216		
351	Resource Recovery and Reuse for Sustainable Future Introduction and Overview 2021 , 1-20		
350	Hydrothermal Liquefaction of Food Waste: A Potential Resource Recovery Strategy 2021 , 21-46		0
349	Recovery of Phosphorus from Wastewater and Sludge 2021 , 305-338		
348	Resources Recovery and Reuse from Liquid and Solid Wastes Generated from Electrolytic Manganese Production 2021 , 601-634		

- 347 Resource Recovery and Recycling from Livestock Manure: Current Statue, Challenges, and Future Prospects for Sustainable Management **2021**, 137-166
- 346 Hydrothermal Liquefaction of Lignocellulosic Biomass for Bioenergy Production **2021**, 83-107
- 345 Magnetic Iron-Based Oxide Materials for Selective Removal and Recovery of Phosphorus **2021**, 339-371
- 344 Improving Bioenergy Recovery from Anaerobic Digestion of Sewage Sludge **2021**, 275-304
- 343 Hydrocyclone-Separation Technologies for Resource Recovery and Reuse **2021**, 663-697
- 342 Utilization of Microalgae and Thraustochytrids for the Production of Biofuel and Nutraceutical Products **2021**, 167-197 o
- 341 Recovery of Gold and Other Precious Metals by Biosorption **2021**, 463-488
- 340 Use and Development of Biochar-Based Materials for Effective Capture and Reuse of Phosphorus **2021**, 437-461
- 339 Removal and Recovery of Nutrients Using Low-Cost Adsorbents from Single-Component and Multicomponent Adsorption Systems **2021**, 397-435 o
- 338 Resource Recovery-Oriented Sanitation and Sustainable Human Excreta Management **2021**, 109-136
- 337 Resource Recovery from Electronic Waste **2021**, 723-753
- 336 Bioelectrochemical System in Wastewater Treatment: Resource Recovery from Municipal and Industrial Wastewaters **2021**, 489-523
- 335 A review on membrane fouling control in anaerobic membrane bioreactors by adding performance enhancers. *Journal of Water Process Engineering*, **2021**, 40, 101867 6.7 16
- 334 Coping with Change: (Re) Evolution of Waste Management in Local Authorities in England **2021**, 47-82
- 333 Trends in Using Electron Beam for Treating Textile and Dyeing Wastewater **2021**, 525-557 o
- 332 Recovery of Thermal Energy from Wastewater by Heat Pump Technology **2021**, 635-662
- 331 Forward Osmosis for Nutrients Recovery from Wastewater **2021**, 373-396
- 330 Resource Utilization of Sludge and Its Potential Environmental Applications for Wastewater **2021**, 217-245

329	Thermal-Chemical Treatment of Sewage Sludge Toward Enhanced Energy and Resource Recovery 2021 , 247-273		
328	Sustainable enzymatic technologies in waste animal fat and protein management. <i>Journal of Environmental Management</i> , 2021 , 284, 112040	7.9	6
327	Life cycle assessment of sewage sludge treatment and disposal based on nutrient and energy recovery: A review. <i>Science of the Total Environment</i> , 2021 , 769, 144451	10.2	34
326	Removing arsenate from water using batch and continuous-flow electrocoagulation with diverse power sources. <i>Journal of Water Process Engineering</i> , 2021 , 41, 102028	6.7	4
325	High internal phase emulsion hierarchical porous polymer grafting polyol compounds for boron removal. <i>Journal of Water Process Engineering</i> , 2021 , 41, 102025	6.7	3
324	Microbial community response to ciprofloxacin toxicity in sponge membrane bioreactor. <i>Science of the Total Environment</i> , 2021 , 773, 145041	10.2	8
323	A critical review on various feedstocks as sustainable substrates for biosurfactants production: a way towards cleaner production. <i>Microbial Cell Factories</i> , 2021 , 20, 120	6.4	46
322	Integrated methods and scenarios for assessment of sand dunes ecosystem services. <i>Journal of Environmental Management</i> , 2021 , 289, 112485	7.9	1
321	The application of microalgae in removing organic micropollutants in wastewater. <i>Critical Reviews in Environmental Science and Technology</i> , 2021 , 51, 1187-1220	11.1	18
320	Improving sulfonamide antibiotics removal from swine wastewater by supplying a new pomelo peel derived biochar in an anaerobic membrane bioreactor. <i>Bioresource Technology</i> , 2021 , 319, 124160	11	26
319	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> , 2021 , 21, 101194	7	8
318	Long-term operation of the pilot scale two-stage anaerobic digestion of municipal biowaste in Ho Chi Minh City. <i>Science of the Total Environment</i> , 2021 , 766, 142562	10.2	8
317	Characterization of preconcentrated domestic wastewater toward efficient bioenergy recovery: Applying size fractionation, chemical composition and biomethane potential assay. <i>Bioresource Technology</i> , 2021 , 319, 124144	11	6
316	Bio-based rhamnolipids production and recovery from waste streams: Status and perspectives. <i>Bioresource Technology</i> , 2021 , 319, 124213	11	26
315	Capability of shallow open-water unit for emerging contaminants attenuation and ecological safety improvement in a treated effluent polishing process. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101788	6.7	1
314	Evaluation of a continuous flow microbial fuel cell for treating synthetic swine wastewater containing antibiotics. <i>Science of the Total Environment</i> , 2021 , 756, 144133	10.2	15
313	Bio-membrane based integrated systems for nitrogen recovery in wastewater treatment: Current applications and future perspectives. <i>Chemosphere</i> , 2021 , 265, 129076	8.4	15
312	Trends in dye industry effluent treatment and recovery of value added products. <i>Journal of Water Process Engineering</i> , 2021 , 39, 101734	6.7	45

311	Sustainable mitigation of heavy metals from effluents: Toxicity and fate with recent technological advancements. <i>Bioengineered</i> , 2021 , 12, 7297-7313	5.7	12
310	Exploring potential impact(s) of cerium in mining wastewater on the performance of partial-nitrification process and nitrogen conversion microflora. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 209, 111796	7	3
309	Vertical flow constructed wetlands using expanded clay and biochar for wastewater remediation: A comparative study and prediction of effluents using machine learning. <i>Journal of Hazardous Materials</i> , 2021 , 413, 125426	12.8	7
308	Fluorescence analysis of centralized water supply systems: Indications for rapid cross-connection detection and water quality safety guarantee. <i>Chemosphere</i> , 2021 , 277, 130290	8.4	2
307	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> , 2021 , 784, 147135	10.2	7
306	Efficiency of transporter genes and proteins in hyperaccumulator plants for metals tolerance in wastewater treatment: Sustainable technique for metal detoxification. <i>Environmental Technology and Innovation</i> , 2021 , 23, 101725	7	14
305	Roles and applications of enzymes for resistant pollutants removal in wastewater treatment. <i>Bioresource Technology</i> , 2021 , 335, 125278	11	25
304	Powdered activated carbon addition for fouling control in anaerobic membrane bioreactor. <i>Bioresource Technology Reports</i> , 2021 , 15, 100721	4.1	4
303	A critical review on challenges and trend of ultrapure water production process. <i>Science of the Total Environment</i> , 2021 , 785, 147254	10.2	7
302	Low flux sponge membrane bioreactor treating tannery wastewater. <i>Environmental Technology and Innovation</i> , 2021 , 24, 101989	7	1
301	Nutrient recovery and microalgae biomass production from urine by membrane photobioreactor at low biomass retention times. <i>Science of the Total Environment</i> , 2021 , 785, 147423	10.2	19
300	New TiO-doped Cu-Mg spinel-ferrite-based photocatalyst for degrading highly toxic rhodamine B dye in wastewater. <i>Journal of Hazardous Materials</i> , 2021 , 420, 126636	12.8	11
299	Effect of calcium peroxide pretreatment on the remediation of sulfonamide antibiotics (SMs) by <i>Chlorella</i> sp. <i>Science of the Total Environment</i> , 2021 , 793, 148598	10.2	4
298	Performance of a dual-chamber microbial fuel cell as biosensor for on-line measuring ammonium nitrogen in synthetic municipal wastewater. <i>Science of the Total Environment</i> , 2021 , 795, 148755	10.2	5
297	A review on integrated approaches for municipal solid waste for environmental and economical relevance: Monitoring tools, technologies, and strategic innovations. <i>Bioresource Technology</i> , 2021 , 342, 125982	11	18
296	Assessing the environmental impacts and greenhouse gas emissions from the common municipal wastewater treatment systems. <i>Science of the Total Environment</i> , 2021 , 801, 149676	10.2	1
295	A breakthrough dynamic-osmotic membrane bioreactor/nanofiltration hybrid system for real municipal wastewater treatment and reuse. <i>Bioresource Technology</i> , 2021 , 342, 125930	11	6
294	Electron shuttles enhance phenanthrene removal in constructed wetlands filled with manganese oxides-coated sands. <i>Chemical Engineering Journal</i> , 2021 , 426, 131755	14.7	1

293	Presence of powdered activated carbon/zeolite layer on the performances of gravity-driven membrane (GDM) system for drinking water treatment: Ammonia removal and flux stabilization. <i>Science of the Total Environment</i> , 2021 , 799, 149415	10.2	2
292	Membrane technology for rainwater treatment and reuse: A mini review. <i>Water Cycle</i> , 2021 , 2, 51-63	6.8	8
291	Recovery of resources from industrial wastewater employing electrochemical technologies: status, advancements and perspectives. <i>Bioengineered</i> , 2021 , 12, 4697-4718	5.7	22
290	Investigation and assessment of micropollutants and associated biological effects in wastewater treatment processes. <i>Journal of Environmental Sciences</i> , 2020 , 94, 119-127	6.4	4
289	Water and nutrient recovery by a novel moving sponge - Anaerobic osmotic membrane bioreactor - Membrane distillation (AnOMBR-MD) closed-loop system. <i>Bioresource Technology</i> , 2020 , 312, 123573	11	13
288	New approach of water quantity vulnerability assessment using satellite images and GIS-based model: An application to a case study in Vietnam. <i>Science of the Total Environment</i> , 2020 , 737, 139784	10.2	15
287	Performance of microbial fuel cell for treating swine wastewater containing sulfonamide antibiotics. <i>Bioresource Technology</i> , 2020 , 311, 123588	11	43
286	Gel immobilization: A strategy to improve the performance of anaerobic ammonium oxidation (anammox) bacteria for nitrogen-rich wastewater treatment. <i>Bioresource Technology</i> , 2020 , 313, 123642 ¹¹		26
285	Iron and zirconium modified luffa fibre as an effective bioadsorbent to remove arsenic from drinking water. <i>Chemosphere</i> , 2020 , 258, 127370	8.4	13
284	Micropollutants cometabolism of microalgae for wastewater remediation: Effect of carbon sources to cometabolism and degradation products. <i>Water Research</i> , 2020 , 183, 115974	12.5	30
283	Application of a specific membrane fouling control enhancer in membrane bioreactor for real municipal wastewater treatment: Sludge characteristics and microbial community. <i>Bioresource Technology</i> , 2020 , 312, 123612	11	15
282	Poly-and perfluoroalkyl substances in water and wastewater: A comprehensive review from sources to remediation. <i>Journal of Water Process Engineering</i> , 2020 , 36, 101393	6.7	51
281	A review on application of enzymatic bioprocesses in animal wastewater and manure treatment. <i>Bioresource Technology</i> , 2020 , 313, 123683	11	16
280	Forward osmosis/membrane distillation hybrid system for desalination using mixed trivalent draw solution. <i>Journal of Membrane Science</i> , 2020 , 603, 118029	9.6	18
279	Enhanced high-quality biomethane production from anaerobic digestion of primary sludge by corn stover biochar. <i>Bioresource Technology</i> , 2020 , 306, 123159	11	43
278	Methods for the analysis of micro-pollutants 2020 , 63-86		0
277	Sustainability analysis of large-scale membrane bioreactor plant 2020 , 1-20		1
276	Feasibility study on a new pomelo peel derived biochar for tetracycline antibiotics removal in swine wastewater. <i>Science of the Total Environment</i> , 2020 , 720, 137662	10.2	77

275	Water Eco-Nexus Cycle System (WaterEcoNet) as a key solution for water shortage and water environment problems in urban areas. <i>Water Cycle</i> , 2020 , 1, 71-77	6.8	16
274	Zero-valent iron addition in anaerobic dynamic membrane bioreactors for preconcentrated wastewater treatment: Performance and impact. <i>Science of the Total Environment</i> , 2020 , 742, 140687	10.2	12
273	Sustainable management and treatment technologies for micro-pollutants in wastewater 2020 , 1-22		1
272	Contribution of the construction phase to environmental impacts of the wastewater treatment plant. <i>Science of the Total Environment</i> , 2020 , 743, 140658	10.2	12
271	A review on facilitating bio-wastes degradation and energy recovery efficiencies in anaerobic digestion systems with biochar amendment. <i>Bioresource Technology</i> , 2020 , 314, 123777	11	18
270	Co-culture of microalgae-activated sludge for wastewater treatment and biomass production: Exploring their role under different inoculation ratios. <i>Bioresource Technology</i> , 2020 , 314, 123754	11	34
269	Anaerobic membrane bioreactors for industrial wastewater treatment 2020 , 167-196		2
268	Energy production in anaerobic membrane bioreactors: Opportunities and challenges 2020 , 309-333		
267	Characterization and sulfonamide antibiotics adsorption capacity of spent coffee grounds based biochar and hydrochar. <i>Science of the Total Environment</i> , 2020 , 716, 137015	10.2	68
266	Batch Study of Cadmium Biosorption by Carbon Dioxide Enriched <i>Aphanethece</i> sp. Dried Biomass. <i>Water (Switzerland)</i> , 2020 , 12, 264	3	13
265	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> , 2020 , 303, 122877	11	15
264	Zero-valent iron enhanced anaerobic digestion of pre-concentrated domestic wastewater for bioenergy recovery: Characteristics and mechanisms. <i>Bioresource Technology</i> , 2020 , 310, 123441	11	17
263	Non-suspended microalgae cultivation for wastewater refinery and biomass production. <i>Bioresource Technology</i> , 2020 , 308, 123320	11	22
262	Nutrient recovery from wastewater: From technology to economy. <i>Bioresource Technology Reports</i> , 2020 , 11, 100425	4.1	25
261	Removal pathways of benzofluoranthene in a constructed wetland amended with metallic ions embedded carbon. <i>Bioresource Technology</i> , 2020 , 311, 123481	11	16
260	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> , 2020 , 734, 139220	10.2	19
259	Impact of coexistence of sludge flocs on nitrous oxide production in a granule-based nitrification system: A model-based evaluation. <i>Water Research</i> , 2020 , 170, 115312	12.5	4
258	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> , 2020 , 295, 122298	11	22

257	A new model framework for sponge city implementation: Emerging challenges and future developments. <i>Journal of Environmental Management</i> , 2020 , 253, 109689	7.9	32
256	Contribution of antibiotics to the fate of antibiotic resistance genes in anaerobic treatment processes of swine wastewater: A review. <i>Bioresource Technology</i> , 2020 , 299, 122654	11	36
255	Removal process of antibiotics during anaerobic treatment of swine wastewater. <i>Bioresource Technology</i> , 2020 , 300, 122707	11	36
254	A critical review on antibiotics and hormones in swine wastewater: Water pollution problems and control approaches. <i>Journal of Hazardous Materials</i> , 2020 , 387, 121682	12.8	145
253	Hysteresis effect on backwashing process in a submerged hollow fiber membrane bioreactor (MBR) applied to membrane fouling mitigation. <i>Bioresource Technology</i> , 2020 , 300, 122710	11	5
252	Removal of As (V) from the aqueous solution by a modified granular ferric hydroxide adsorbent. <i>Science of the Total Environment</i> , 2020 , 706, 135947	10.2	9
251	Comparison study on the ammonium adsorption of the biochars derived from different kinds of fruit peel. <i>Science of the Total Environment</i> , 2020 , 707, 135544	10.2	74
250	New perspectives on microbial communities and biological nitrogen removal processes in wastewater treatment systems. <i>Bioresource Technology</i> , 2020 , 297, 122491	11	32
249	Advances in thermostable laccase and its current application in lignin-first biorefinery: A review. <i>Bioresource Technology</i> , 2020 , 298, 122511	11	34
248	Microbial fuel cell-based biosensor for online monitoring wastewater quality: A critical review. <i>Science of the Total Environment</i> , 2020 , 712, 135612	10.2	90
247	New insights for enhancing the performance of constructed wetlands at low temperatures. <i>Bioresource Technology</i> , 2020 , 301, 122722	11	34
246	Performance of mediator-less double chamber microbial fuel cell-based biosensor for measuring biological chemical oxygen. <i>Journal of Environmental Management</i> , 2020 , 276, 111279	7.9	5
245	Intensive removal of PAHs in constructed wetland filled with copper biochar. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 205, 111028	7	10
244	Insights into Interdisciplinary Approaches for Bioremediation of Organic Pollutants: Innovations, Challenges and Perspectives. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2020 , 90, 951-958	1.4	3
243	Anaerobic membrane bioreactors: An introduction 2020 , 1-24		1
242	Advanced anaerobic membrane bioreactors: Performance enhancers and their hybrid systems 2020 , 109-142		1
241	Applying a new pomelo peel derived biochar in microbial fuel cell for enhancing sulfonamide antibiotics removal in swine wastewater. <i>Bioresource Technology</i> , 2020 , 318, 123886	11	15
240	Metabolic uncoupler, 3,3',4',5-tetrachlorosalicylanilide addition for sludge reduction and fouling control in a gravity-driven membrane bioreactor. <i>Frontiers of Environmental Science and Engineering</i> , 2020 , 14, 1	5.8	7

239	Specific microbial diversity and functional gene (AOB amoA) analysis of a sponge-based aerobic nitrifying moving bed biofilm reactor exposed to typical pharmaceuticals. <i>Science of the Total Environment</i> , 2020 , 742, 140660	10.2	9
238	Engineering biocatalytic material for the remediation of pollutants: A comprehensive review. <i>Environmental Technology and Innovation</i> , 2020 , 20, 101063	7	51
237	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> , 2020 , 318, 124180 ¹¹		6
236	Treatment of wastewater from petroleum industry: current practices and perspectives. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 27172-27180	5.1	85
235	Microalgae for saline wastewater treatment: a critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 50, 1224-1265	11.1	24
234	Upflow anaerobic dynamic membrane bioreactor (AnDMBR) for wastewater treatment at room temperature and short HRTs: Process characteristics and practical applicability. <i>Chemical Engineering Journal</i> , 2020 , 383, 123186	14.7	27
233	Anaerobic membrane bioreactors for emerging pollutants removal 2020 , 197-218		2
232	Nutrient recovery in anaerobic membrane bioreactors 2020 , 283-307		1
231	A mini-review on shallow-bed constructed wetlands: a promising innovative green roof. <i>Current Opinion in Environmental Science and Health</i> , 2019 , 12, 38-47	8.1	15
230	Pesticides in stormwater runoff: A mini review. <i>Frontiers of Environmental Science and Engineering</i> , 2019 , 13, 1	5.8	15
229	The treatability of trace organic pollutants in WWTP effluent and associated biotoxicity reduction by advanced treatment processes for effluent quality improvement. <i>Water Research</i> , 2019 , 159, 423-433 ^{12.5}		24
228	Heterotrophic denitrifiers growing on soluble microbial products contribute to nitrous oxide production in anammox biofilm: Model evaluation. <i>Journal of Environmental Management</i> , 2019 , 242, 309-314	7.9	8
227	Occurrence, fate and health risk assessment of 10 common antibiotics in two drinking water plants with different treatment processes. <i>Science of the Total Environment</i> , 2019 , 674, 316-326	10.2	34
226	Systematic insight into the short-term and long-term effects of magnetic microparticles and nanoparticles on critical flux in membrane bioreactors. <i>Journal of Membrane Science</i> , 2019 , 582, 284-288 ^{9.6}		3
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