

Wenshan Guo

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.

448
papers

21,429
citations

72
h-index

129
g-index

461
ext. papers

25,824
ext. citations

9.3
avg, IF

7.41
L-index

#	Paper	IF	Citations
448	Carbon dioxide fixation and phycoremediation by algae-based technologies for biofuels and biomaterials 2022 , 253-277		
447	Life-cycle assessment on sequestration of greenhouse gases for the production of biofuels and biomaterials 2022 , 179-202		
446	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
445	Recent advances in circular bioeconomy based clean technologies for sustainable environment. <i>Journal of Water Process Engineering</i> , 2022 , 46, 102534	6.7	1
444	Advancements in detection and removal of antibiotic resistance genes in sludge digestion: A state-of-art review. <i>Bioresource Technology</i> , 2022 , 344, 126197	11	5
443	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
442	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
441	Hybrid use of coal slag and calcined ferralsol as wetland substrate for improving phosphorus removal from wastewater. <i>Chemical Engineering Journal</i> , 2022 , 428, 132124	14.7	1
440	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
439	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
438	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
437	Microbial electrolysis: a promising approach for treatment and resource recovery from industrial wastewater.. <i>Bioengineered</i> , 2022 , 13, 8115-8134	5.7	0
436	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
435	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
434	Advanced strategies for enhancing dark fermentative biohydrogen production from biowaste towards sustainable environment.. <i>Bioresource Technology</i> , 2022 , 351, 127045	11	2
433	Characterization and flocculation performance of a newly green flocculant derived from natural bagasse cellulose.. <i>Chemosphere</i> , 2022 , 301, 134615	8.4	0
432	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

431	A new integrated single-chamber air-cathode microbial fuel cell - Anaerobic membrane bioreactor system for improving methane production and membrane fouling mitigation. <i>Journal of Membrane Science</i> , 2022 , 655, 120591	9.6	0
430	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
429	Sustainability assessment of algae-based biomaterials 2022 , 237-250		
428	Impact factors and novel strategies for improving biohydrogen production in microbial electrolysis cells.. <i>Bioresource Technology</i> , 2021 , 126588	11	3
427	Recent advances in attached growth membrane bioreactor systems for wastewater treatment. <i>Science of the Total Environment</i> , 2021 , 152123	10.2	6
426	Bio-membrane integrated systems for nitrogen recovery from wastewater in circular bioeconomy. <i>Chemosphere</i> , 2021 , 289, 133175	8.4	2
425	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
424	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
423	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
422	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
421	Methane Recovery from Landfills 2021 , 699-722		
420	Approaches Toward Resource Recovery from Breeding Wastewater 2021 , 559-599		
419	Pertinent Issues of Algal Energy and Bio-Product Development A Biorefinery Perspective 2021 , 199-216		
418	Resource Recovery and Reuse for Sustainable Future Introduction and Overview 2021 , 1-20		
417	Hydrothermal Liquefaction of Food Waste: A Potential Resource Recovery Strategy 2021 , 21-46		0
416	Recovery of Phosphorus from Wastewater and Sludge 2021 , 305-338		
415	Resources Recovery and Reuse from Liquid and Solid Wastes Generated from Electrolytic Manganese Production 2021 , 601-634		
414	Resource Recovery and Recycling from Livestock Manure: Current Statue, Challenges, and Future Prospects for Sustainable Management 2021 , 137-166		

- 413 Hydrothermal Liquefaction of Lignocellulosic Biomass for Bioenergy Production **2021**, 83-107
- 412 Magnetic Iron-Based Oxide Materials for Selective Removal and Recovery of Phosphorus **2021**, 339-371
- 411 Improving Bioenergy Recovery from Anaerobic Digestion of Sewage Sludge **2021**, 275-304
- 410 Hydrocyclone-Separation Technologies for Resource Recovery and Reuse **2021**, 663-697
- 409 Utilization of Microalgae and Thraustochytrids for the Production of Biofuel and Nutraceutical Products **2021**, 167-197 ○
- 408 Recovery of Gold and Other Precious Metals by Biosorption **2021**, 463-488
- 407 Use and Development of Biochar-Based Materials for Effective Capture and Reuse of Phosphorus **2021**, 437-461
- 406 Removal and Recovery of Nutrients Using Low-Cost Adsorbents from Single-Component and Multicomponent Adsorption Systems **2021**, 397-435 ○
- 405 Resource Recovery-Oriented Sanitation and Sustainable Human Excreta Management **2021**, 109-136
- 404 Resource Recovery from Electronic Waste **2021**, 723-753
- 403 Bioelectrochemical System in Wastewater Treatment: Resource Recovery from Municipal and Industrial Wastewaters **2021**, 489-523
- 402 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
- 401 Coping with Change: (Re) Evolution of Waste Management in Local Authorities in England **2021**, 47-82
- 400 Trends in Using Electron Beam for Treating Textile and Dyeing Wastewater **2021**, 525-557 ○
- 399 Recovery of Thermal Energy from Wastewater by Heat Pump Technology **2021**, 635-662
- 398 Forward Osmosis for Nutrients Recovery from Wastewater **2021**, 373-396
- 397 Resource Utilization of Sludge and Its Potential Environmental Applications for Wastewater **2021**, 217-245
- 396 Thermal-Chemical Treatment of Sewage Sludge Toward Enhanced Energy and Resource Recovery **2021**, 247-273

395	Sustainable enzymatic technologies in waste animal fat and protein management. <i>Journal of Environmental Management</i> , 2021 , 284, 112040	7.9	6
394	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
393	Enhanced biocatalysis of phenanthrene in aqueous phase by novel CA-Ca-SBE-laccase biocatalyst: Performance and mechanism. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 611, 125884	5.1	2
392	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
391	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
390	Sustainable mitigation of heavy metals from effluents: Toxicity and fate with recent technological advancements. <i>Bioengineered</i> , 2021 , 12, 7297-7313	5.7	12
389	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
388	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
387	Roles and applications of enzymes for resistant pollutants removal in wastewater treatment. <i>Bioresource Technology</i> , 2021 , 335, 125278	11	25
386	Powdered activated carbon addition for fouling control in anaerobic membrane bioreactor. <i>Bioresource Technology Reports</i> , 2021 , 15, 100721	4.1	4
385	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
384	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
383	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
382	Microplastics deteriorate the removal efficiency of antibiotic resistance genes during aerobic sludge digestion. <i>Science of the Total Environment</i> , 2021 , 798, 149344	10.2	5
381	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
380	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
379	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
378	Recovery of resources from industrial wastewater employing electrochemical technologies: status, advancements and perspectives. <i>Bioengineered</i> , 2021 , 12, 4697-4718	5.7	22

377	Biotransformation of organic micro-pollutants in biological wastewater 2020 , 185-204		
376	White hard clam (<i>Meretrix lyrata</i>) shells media to improve phosphorus removal in lab-scale horizontal sub-surface flow constructed wetlands: Performance, removal pathways, and lifespan. <i>Bioresource Technology</i> , 2020 , 312, 123602	11	11
375	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
374	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
373	Performance of microbial fuel cell for treating swine wastewater containing sulfonamide antibiotics. <i>Bioresource Technology</i> , 2020 , 311, 123588	11	43
372	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	11	26
371	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
370	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
369	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
368	A review on application of enzymatic bioprocesses in animal wastewater and manure treatment. <i>Bioresource Technology</i> , 2020 , 313, 123683	11	16
367	Anaerobic membrane bioreactors for antibiotic wastewater treatment 2020 , 219-239		3
366	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
365	Enhanced high-quality biomethane production from anaerobic digestion of primary sludge by corn stover biochar. <i>Bioresource Technology</i> , 2020 , 306, 123159	11	43
364	Methods for the analysis of micro-pollutants 2020 , 63-86		0
363	Sustainability analysis of large-scale membrane bioreactor plant 2020 , 1-20		1
362	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
361	Sustainable management and treatment technologies for micro-pollutants in wastewater 2020 , 1-22		1
360	White hard clam (<i>Meretrix lyrata</i>) shells as novel filter media to augment the phosphorus removal from wastewater. <i>Science of the Total Environment</i> , 2020 , 741, 140483	10.2	7

359	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
358	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
357	Energy production in anaerobic membrane bioreactors: Opportunities and challenges 2020 , 309-333		
356	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
355	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
354	Nutrient recovery from wastewater: From technology to economy. <i>Bioresource Technology Reports</i> , 2020 , 11, 100425	4.1	25
353	A critical review on life cycle assessment and plant-wide models towards emission control strategies for greenhouse gas from wastewater treatment plants. <i>Journal of Environmental Management</i> , 2020 , 264, 110440	7.9	19
352	Aerobic membrane bioreactors for municipal wastewater treatment 2020 , 103-128		3
351	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
350	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
349	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
348	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
347	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
346	Removal process of antibiotics during anaerobic treatment of swine wastewater. <i>Bioresource Technology</i> , 2020 , 300, 122707	11	36
345	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
344	Combined biochar vertical flow and free-water surface constructed wetland system for dormitory sewage treatment and reuse. <i>Science of the Total Environment</i> , 2020 , 713, 136404	10.2	15
343	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
342	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

341	New perspectives on microbial communities and biological nitrogen removal processes in wastewater treatment systems. <i>Bioresource Technology</i> , 2020 , 297, 122491	11	32
340	Advances in thermostable laccase and its current application in lignin-first biorefinery: A review. <i>Bioresource Technology</i> , 2020 , 298, 122511	11	34
339	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
338	New insights for enhancing the performance of constructed wetlands at low temperatures. <i>Bioresource Technology</i> , 2020 , 301, 122722	11	34
337	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
336	Intensive removal of PAHs in constructed wetland filled with copper biochar. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 205, 111028	7	10
335	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
334	Anaerobic membrane bioreactors An introduction 2020 , 1-24		1
333	Advanced anaerobic membrane bioreactors: Performance enhancers and their hybrid systems 2020 , 109-142		1
332	Applying a new pomelo peel derived biochar in microbial fell cell for enhancing sulfonamide antibiotics removal in swine wastewater. <i>Bioresource Technology</i> , 2020 , 318, 123886	11	15
331	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
330	Engineering biocatalytic material for the remediation of pollutants: A comprehensive review. <i>Environmental Technology and Innovation</i> , 2020 , 20, 101063	7	51
329	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
328	Treatment of wastewater from petroleum industry: current practices and perspectives. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 27172-27180	5.1	85
327	Microalgae for saline wastewater treatment: a critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 50, 1224-1265	11.1	24
326	Fabrication and characterization of Ni-Ce-Zr ternary disk-shaped catalyst and its application for low-temperature CO ₂ methanation. <i>Fuel</i> , 2020 , 260, 116260	7.1	6
325	Aerobic membrane bioreactors and micropollutant removal 2020 , 147-162		
324	Anaerobic membrane bioreactors for emerging pollutants removal 2020 , 197-218		2

323	Nutrient recovery in anaerobic membrane bioreactors 2020 , 283-307		1
322	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
321	Validation of a cationic polyacrylamide flocculant for the harvesting fresh and seawater microalgal biomass. <i>Environmental Technology and Innovation</i> , 2019 , 16, 100466	7	18
320	Pesticides in stormwater runoff: A mini review. <i>Frontiers of Environmental Science and Engineering</i> , 2019 , 13, 1	5.8	15
319	Development of a water cycle management approach to Sponge City construction in Xi'an, China. <i>Science of the Total Environment</i> , 2019 , 685, 490-496	10.2	19
318	Mechanisms of free nitrous acid and freezing co-pretreatment enhancing short-chain fatty acids production from waste activated sludge anaerobic fermentation. <i>Chemosphere</i> , 2019 , 230, 536-543	8.4	5
317	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
316	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
315	Application of rumen and anaerobic sludge microbes for bio harvesting from lignocellulosic biomass. <i>Chemosphere</i> , 2019 , 228, 702-708	8.4	30
314	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
313	Biological denitrification in an anoxic sequencing batch biofilm reactor: Performance evaluation, nitrous oxide emission and microbial community. <i>Bioresource Technology</i> , 2019 , 285, 121359	11	42
312	In situ reconstruction of long-term extreme flooding magnitudes and frequencies based on geological archives. <i>Science of the Total Environment</i> , 2019 , 670, 8-17	10.2	6
311	Pre-coagulation coupled with sponge-membrane filtration for organic matter removal and membrane fouling control during drinking water treatment. <i>Water Research</i> , 2019 , 157, 155-166	12.5	35
310	Selective production of volatile fatty acids at different pH in an anaerobic membrane bioreactor. <i>Bioresource Technology</i> , 2019 , 283, 120-128	11	34
309	Linking the nitrous oxide production and mitigation with the microbial community in wastewater treatment: A review. <i>Bioresource Technology Reports</i> , 2019 , 7, 100191	4.1	7
308	Insight into greenhouse gases emissions from the two popular treatment technologies in municipal wastewater treatment processes. <i>Science of the Total Environment</i> , 2019 , 671, 1302-1313	10.2	43
307	The adsorption of phosphate using a magnesia-pullulan composite: kinetics, equilibrium, and column tests. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 13299-13310	5.1	9
306	Thermophilic anaerobic digestion of model organic wastes: Evaluation of biomethane production and multiple kinetic models analysis. <i>Bioresource Technology</i> , 2019 , 280, 269-276	11	44

305	Effect of organic loading rate on the recovery of nutrients and energy in a dual-chamber microbial fuel cell. <i>Bioresource Technology</i> , 2019 , 281, 367-373	11	43
304	Microbial fuel cell for nutrient recovery and electricity generation from municipal wastewater under different ammonium concentrations. <i>Bioresource Technology</i> , 2019 , 292, 121992	11	22
303	Occurrence and risk assessment of multiple classes of antibiotics in urban canals and lakes in Hanoi, Vietnam. <i>Science of the Total Environment</i> , 2019 , 692, 157-174	10.2	81
302	Food waste based biochars for ammonia nitrogen removal from aqueous solutions. <i>Bioresource Technology</i> , 2019 , 292, 121927	11	53
301	On line monitoring local fouling behavior of membrane filtration process by in situ hydrodynamic and electrical measurements. <i>Journal of Membrane Science</i> , 2019 , 589, 117245	9.6	8
300	Microbial Fingerprinting of Potential Biodegrading Organisms. <i>Current Pollution Reports</i> , 2019 , 5, 181-197.6		24
299	Comparative study about the performance of three types of modified natural treatment systems for rice noodle wastewater. <i>Bioresource Technology</i> , 2019 , 282, 163-170	11	9
298	Editorial overview: Green technologies for environmental remediation. <i>Current Opinion in Environmental Science and Health</i> , 2019 , 12, A1-A3	8.1	2
297	Comparison study on the performance of two different gas-permeable membranes used in a membrane-aerated biofilm reactor. <i>Science of the Total Environment</i> , 2019 , 658, 1219-1227	10.2	21
296	Microalgae biomass from swine wastewater and its conversion to bioenergy. <i>Bioresource Technology</i> , 2019 , 275, 109-122	11	108
295	Advances of Photobioreactors in Wastewater Treatment: Engineering Aspects, Applications and Future Perspectives. <i>Energy, Environment, and Sustainability</i> , 2019 , 297-329	0.8	3
294	Non-conventional Anaerobic Bioreactors for Sustainable Wastewater Treatment. <i>Energy, Environment, and Sustainability</i> , 2019 , 265-295	0.8	2
293	The roles of free ammonia (FA) in biological wastewater treatment processes: A review. <i>Environment International</i> , 2019 , 123, 10-19	12.9	157
292	Influence of thermal hydrolysis pretreatment on physicochemical properties and anaerobic biodegradability of waste activated sludge with different solids content. <i>Waste Management</i> , 2019 , 85, 214-221	8.6	54
291	Implementation of a specific urban water management - Sponge City. <i>Science of the Total Environment</i> , 2019 , 652, 147-162	10.2	138
290	Identification of the pollutants' removal and mechanism by microalgae in saline wastewater. <i>Bioresource Technology</i> , 2019 , 275, 44-52	11	20
289	Substrate Diffusion within Biofilms Significantly Influencing the Electron Competition during Denitrification. <i>Environmental Science & Technology</i> , 2019 , 53, 261-269	10.3	19
288	Performance of constructed wetlands and associated mechanisms of PAHs removal with mussels. <i>Chemical Engineering Journal</i> , 2019 , 357, 280-287	14.7	16

287	Optimization of hydraulic retention time and organic loading rate for volatile fatty acid production from low strength wastewater in an anaerobic membrane bioreactor. <i>Bioresource Technology</i> , 2019 , 271, 100-108	11	32
286	A critical review on designs and applications of microalgae-based photobioreactors for pollutants treatment. <i>Science of the Total Environment</i> , 2019 , 651, 1549-1568	10.2	80
285	Effect of metabolic uncoupler, 2,4-dinitrophenol (DNP) on sludge properties and fouling potential in ultrafiltration membrane process. <i>Science of the Total Environment</i> , 2019 , 650, 1882-1888	10.2	16
284	Feasibility study on a double chamber microbial fuel cell for nutrient recovery from municipal wastewater. <i>Chemical Engineering Journal</i> , 2019 , 358, 236-242	14.7	57
283	Zeolite powder based polyurethane sponges as biocarriers in moving bed biofilm reactor for improving nitrogen removal of municipal wastewater. <i>Science of the Total Environment</i> , 2019 , 651, 1078-1086	10.2	56
282	A critical review on membrane hybrid system for nutrient recovery from wastewater. <i>Chemical Engineering Journal</i> , 2018 , 348, 143-156	14.7	105
281	The fate of trace organic contaminants during anaerobic digestion of primary sludge: A pilot scale study. <i>Bioresource Technology</i> , 2018 , 256, 384-390	11	41
280	Can algae-based technologies be an affordable green process for biofuel production and wastewater remediation?. <i>Bioresource Technology</i> , 2018 , 256, 491-501	11	90
279	Secondary effluent purification by a large-scale multi-stage surface-flow constructed wetland: A case study in northern China. <i>Bioresource Technology</i> , 2018 , 249, 1092-1096	11	22
278	A new hybrid sewage treatment system combining a rolled pipe system and membrane bioreactor to improve the biological nitrogen removal efficiency: A pilot study. <i>Journal of Cleaner Production</i> , 2018 , 178, 937-946	10.3	6
277	Evaluation of a new sponge addition-microbial fuel cell system for removing nutrient from low C/N ratio wastewater. <i>Chemical Engineering Journal</i> , 2018 , 338, 166-175	14.7	33
276	Problematic effects of antibiotics on anaerobic treatment of swine wastewater. <i>Bioresource Technology</i> , 2018 , 263, 642-653	11	72
275	Assessing the integration of forward osmosis and anaerobic digestion for simultaneous wastewater treatment and resource recovery. <i>Bioresource Technology</i> , 2018 , 260, 221-226	11	25
274	Biohydrogen production from anaerobic digestion and its potential as renewable energy. <i>Renewable Energy</i> , 2018 , 129, 754-768	8.1	64
273	Applicability of an integrated moving sponge biocarrier-osmotic membrane bioreactor MD system for saline wastewater treatment using highly salt-tolerant microorganisms. <i>Separation and Purification Technology</i> , 2018 , 198, 93-99	8.3	19
272	Use of magnetic powder to effectively improve the performance of sequencing batch reactors (SBRs) in municipal wastewater treatment. <i>Bioresource Technology</i> , 2018 , 248, 135-139	11	19
271	Exploration of an innovative draw solution for a forward osmosis-membrane distillation desalination process. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 5203-5211	5.1	20
270	Characterization of soluble microbial products in a partial nitrification sequencing batch biofilm reactor treating high ammonia nitrogen wastewater. <i>Bioresource Technology</i> , 2018 , 249, 241-246	11	32

269	Bioprocessing for elimination antibiotics and hormones from swine wastewater. <i>Science of the Total Environment</i> , 2018 , 621, 1664-1682	10.2	148
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