

Wenshan Guo

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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	A review on the occurrence of micropollutants in the aquatic environment and their fate and removal during wastewater treatment. <i>Science of the Total Environment</i> , 2014 , 473-474, 619-41	10.2	2205
447	A mini-review on membrane fouling. <i>Bioresource Technology</i> , 2012 , 122, 27-34	11	805
446	Progress in the biological and chemical treatment technologies for emerging contaminant removal from wastewater: A critical review. <i>Journal of Hazardous Materials</i> , 2017 , 323, 274-298	12.8	617
445	Adsorptive removal of antibiotics from water and wastewater: Progress and challenges. <i>Science of the Total Environment</i> , 2015 , 532, 112-26	10.2	606
444	A review on the sustainability of constructed wetlands for wastewater treatment: Design and operation. <i>Bioresource Technology</i> , 2015 , 175, 594-601	11	557
443	Progress in the preparation and application of modified biochar for improved contaminant removal from water and wastewater. <i>Bioresource Technology</i> , 2016 , 214, 836-851	11	415
442	Applicability of agricultural waste and by-products for adsorptive removal of heavy metals from wastewater. <i>Bioresource Technology</i> , 2013 , 148, 574-85	11	363
441	A mini review on renewable sources for biofuel. <i>Bioresource Technology</i> , 2014 , 169, 742-749	11	310
440	Typical lignocellulosic wastes and by-products for biosorption process in water and wastewater treatment: a critical review. <i>Bioresource Technology</i> , 2014 , 160, 57-66	11	299
439	Current status of urban wastewater treatment plants in China. <i>Environment International</i> , 2016 , 92-93, 11-22	12.9	292
438	Investigating the mechanisms of biochar's removal of lead from solution. <i>Bioresource Technology</i> , 2015 , 177, 308-17	11	255
437	Typical low cost biosorbents for adsorptive removal of specific organic pollutants from water. <i>Bioresource Technology</i> , 2015 , 182, 353-363	11	206
436	Industrial metal pollution in water and probabilistic assessment of human health risk. <i>Journal of Environmental Management</i> , 2017 , 185, 70-78	7.9	203
435	Single and competitive sorption properties and mechanism of functionalized biochar for removing sulfonamide antibiotics from water. <i>Chemical Engineering Journal</i> , 2017 , 311, 348-358	14.7	194
434	Optimization of process parameters for production of volatile fatty acid, biohydrogen and methane from anaerobic digestion. <i>Bioresource Technology</i> , 2016 , 219, 738-748	11	177
433	Insight into biochar properties and its cost analysis. <i>Biomass and Bioenergy</i> , 2016 , 84, 76-86	5.3	174
432	Nitrogen removal in intermittently aerated vertical flow constructed wetlands: impact of influent COD/N ratios. <i>Bioresource Technology</i> , 2013 , 143, 461-6	11	157

431	The roles of free ammonia (FA) in biological wastewater treatment processes: A review. <i>Environment International</i> , 2019 , 123, 10-19	12.9	157
430	Adsorption and desorption of copper(II) ions onto garden grass. <i>Bioresource Technology</i> , 2012 , 121, 386-95		154
429	Challenges in the application of microbial fuel cells to wastewater treatment and energy production: A mini review. <i>Science of the Total Environment</i> , 2018 , 639, 910-920	10.2	152
428	Application of a breakthrough biosorbent for removing heavy metals from synthetic and real wastewaters in a lab-scale continuous fixed-bed column. <i>Bioresource Technology</i> , 2017 , 229, 78-87	11	151
427	Bioprocessing for elimination antibiotics and hormones from swine wastewater. <i>Science of the Total Environment</i> , 2018 , 621, 1664-1682	10.2	148
426	Insight into chemical phosphate recovery from municipal wastewater. <i>Science of the Total Environment</i> , 2017 , 576, 159-171	10.2	147
425	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
424	Implementation of a specific urban water management - Sponge City. <i>Science of the Total Environment</i> , 2019 , 652, 147-162	10.2	138
423	The fate of pharmaceuticals, steroid hormones, phytoestrogens, UV-filters and pesticides during MBR treatment. <i>Bioresource Technology</i> , 2013 , 144, 247-54	11	137
422	Intermittent aeration strategy to enhance organics and nitrogen removal in subsurface flow constructed wetlands. <i>Bioresource Technology</i> , 2013 , 141, 117-22	11	131
421	Anaerobic co-digestion: A critical review of mathematical modelling for performance optimization. <i>Bioresource Technology</i> , 2016 , 222, 498-512	11	129
420	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
419	Competitive sorption affinity of sulfonamides and chloramphenicol antibiotics toward functionalized biochar for water and wastewater treatment. <i>Bioresource Technology</i> , 2017 , 238, 306-312 ¹¹		118
418	Decentralized domestic wastewater treatment using intermittently aerated vertical flow constructed wetlands: impact of influent strengths. <i>Bioresource Technology</i> , 2015 , 176, 163-8	11	117
417	Optimizations on supply and distribution of dissolved oxygen in constructed wetlands: A review. <i>Bioresource Technology</i> , 2016 , 214, 797-805	11	117
416	Exploration of EDTA sodium salt as novel draw solution in forward osmosis process for dewatering of high nutrient sludge. <i>Journal of Membrane Science</i> , 2014 , 455, 305-311	9.6	116
415	Roles of polyurethane foam in aerobic moving and fixed bed bioreactors. <i>Bioresource Technology</i> , 2010 , 101, 1435-9	11	116
414	Sludge cycling between aerobic, anoxic and anaerobic regimes to reduce sludge production during wastewater treatment: performance, mechanisms, and implications. <i>Bioresource Technology</i> , 2014 , 155, 395-409	11	111

4 ¹³	Microalgae biomass from swine wastewater and its conversion to bioenergy. <i>Bioresource Technology</i> , 2019 , 275, 109-122	11	108
4 ¹²	A critical review on membrane hybrid system for nutrient recovery from wastewater. <i>Chemical Engineering Journal</i> , 2018 , 348, 143-156	14.7	105
4 ¹¹	A critical review on sustainability assessment of recycled water schemes. <i>Science of the Total Environment</i> , 2012 , 426, 13-31	10.2	104
4 ¹⁰	Challenges in biogas production from anaerobic membrane bioreactors. <i>Renewable Energy</i> , 2016 , 98, 120-134	8.1	102
4 ⁰⁹	A critical review on ammonium recovery from wastewater for sustainable wastewater management. <i>Bioresource Technology</i> , 2018 , 268, 749-758	11	101
4 ⁰⁸	Preparation and adsorption properties of magnetic chitosan composite adsorbent for Cu ²⁺ removal. <i>Journal of Cleaner Production</i> , 2017 , 158, 51-58	10.3	98
4 ⁰⁷	Anaerobic membrane bioreactors for antibiotic wastewater treatment: Performance and membrane fouling issues. <i>Bioresource Technology</i> , 2018 , 267, 714-724	11	98
4 ⁰⁶	Resource recovery from wastewater by anaerobic membrane bioreactors: Opportunities and challenges. <i>Bioresource Technology</i> , 2018 , 270, 669-677	11	98
4 ⁰⁵	A breakthrough biosorbent in removing heavy metals: Equilibrium, kinetic, thermodynamic and mechanism analyses in a lab-scale study. <i>Science of the Total Environment</i> , 2016 , 542, 603-11	10.2	96
4 ⁰⁴	Adsorption of phosphate from aqueous solutions and sewage using zirconium loaded okara (ZLO): Fixed-bed column study. <i>Science of the Total Environment</i> , 2015 , 523, 40-9	10.2	93
4 ⁰³	Modification of agricultural waste/by-products for enhanced phosphate removal and recovery: potential and obstacles. <i>Bioresource Technology</i> , 2014 , 169, 750-762	11	93
4 ⁰²	Enhanced nitrogen removal in constructed wetlands: effects of dissolved oxygen and step-feeding. <i>Bioresource Technology</i> , 2014 , 169, 395-402	11	93
4 ⁰¹	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
4 ⁰⁰	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
399	Characterization of a multi-metal binding biosorbent: Chemical modification and desorption studies. <i>Bioresource Technology</i> , 2015 , 193, 477-87	11	89
398	Performance evaluation of powdered activated carbon for removing 28 types of antibiotics from water. <i>Journal of Environmental Management</i> , 2016 , 172, 193-200	7.9	89
397	Phosphorus and water recovery by a novel osmotic membrane bioreactor-reverse osmosis system. <i>Bioresource Technology</i> , 2016 , 200, 297-304	11	89
396	Multicriteria assessment of advanced treatment technologies for micropollutants removal at large-scale applications. <i>Science of the Total Environment</i> , 2016 , 563-564, 1050-67	10.2	88

395	Biofouling and control approaches in membrane bioreactors. <i>Bioresource Technology</i> , 2016 , 221, 656-665	11	88
394	Nano-Fe 0 immobilized onto functionalized biochar gaining excellent stability during sorption and reduction of chloramphenicol via transforming to reusable magnetic composite. <i>Chemical Engineering Journal</i> , 2017 , 322, 571-581	14.7	87
393	High retention membrane bioreactors: challenges and opportunities. <i>Bioresource Technology</i> , 2014 , 167, 539-46	11	85
392	Treatment of wastewater from petroleum industry: current practices and perspectives. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 27172-27180	5.1	85
391	Bioassay based luminescent bacteria: interferences, improvements, and applications. <i>Science of the Total Environment</i> , 2014 , 468-469, 1-11	10.2	84
390	Optimal conditions for preparation of banana peels, sugarcane bagasse and watermelon rind in removing copper from water. <i>Bioresource Technology</i> , 2012 , 119, 349-54	11	84
389	Palm oil fruit shells as biosorbent for copper removal from water and wastewater: experiments and sorption models. <i>Bioresource Technology</i> , 2012 , 113, 97-101	11	83
388	Preparation of a specific bamboo based activated carbon and its application for ciprofloxacin removal. <i>Science of the Total Environment</i> , 2015 , 533, 32-9	10.2	82
387	New functional biocarriers for enhancing the performance of a hybrid moving bed biofilm reactor-membrane bioreactor system. <i>Bioresource Technology</i> , 2016 , 208, 87-93	11	82
386	A comparison study on membrane fouling in a sponge-submerged membrane bioreactor and a conventional membrane bioreactor. <i>Bioresource Technology</i> , 2014 , 165, 69-74	11	82
385	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
384	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
383	Evaluation of micropollutant removal and fouling reduction in a hybrid moving bed biofilm reactor-membrane bioreactor system. <i>Bioresource Technology</i> , 2015 , 191, 355-9	11	77
382	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
381	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
380	Competitive adsorption of metals on cabbage waste from multi-metal solutions. <i>Bioresource Technology</i> , 2014 , 160, 79-88	11	73
379	Nitrous oxide emission in low-oxygen simultaneous nitrification and denitrification process: sources and mechanisms. <i>Bioresource Technology</i> , 2013 , 136, 444-51	11	73
378	Evaluation of a novel sponge-submerged membrane bioreactor (SSMBR) for sustainable water reclamation. <i>Bioresource Technology</i> , 2008 , 99, 2429-35	11	73

377	Problematic effects of antibiotics on anaerobic treatment of swine wastewater. <i>Bioresource Technology</i> , 2018 , 263, 642-653	11	72
376	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
375	Biomimetic aquaporin membranes for osmotic membrane bioreactors: Membrane performance and contaminant removal. <i>Bioresource Technology</i> , 2018 , 249, 62-68	11	68
374	Adsorption and bioadsorption of granular activated carbon (GAC) for dissolved organic carbon (DOC) removal in wastewater. <i>Bioresource Technology</i> , 2008 , 99, 8674-8	11	67
373	Enhancement of Cr(VI) removal by modifying activated carbon developed from <i>Zizania caduciflora</i> with tartaric acid during phosphoric acid activation. <i>Chemical Engineering Journal</i> , 2014 , 246, 168-174	14.7	66
372	Removal and fate of micropollutants in a sponge-based moving bed bioreactor. <i>Bioresource Technology</i> , 2014 , 159, 311-9	11	66
371	Nitrogen removal and nitrous oxide emission in surface flow constructed wetlands for treating sewage treatment plant effluent: Effect of C/N ratios. <i>Bioresource Technology</i> , 2017 , 240, 157-164	11	65
370	Effects of salinity build-up on the performance and bacterial community structure of a membrane bioreactor. <i>Bioresource Technology</i> , 2016 , 200, 305-10	11	65
369	Selection of forward osmosis draw solutes for subsequent integration with anaerobic treatment to facilitate resource recovery from wastewater. <i>Bioresource Technology</i> , 2015 , 191, 30-6	11	65
368	Biohydrogen production from anaerobic digestion and its potential as renewable energy. <i>Renewable Energy</i> , 2018 , 129, 754-768	8.1	64
367	Enhanced biological phosphorus removal and its modeling for the activated sludge and membrane bioreactor processes. <i>Bioresource Technology</i> , 2013 , 139, 363-74	11	64
366	Role of extracellular polymeric substances in biosorption of dye wastewater using aerobic granular sludge. <i>Bioresource Technology</i> , 2015 , 185, 14-20	11	63
365	Microbial abundance and community in subsurface flow constructed wetland microcosms: role of plant presence. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 4036-45	5.1	62
364	Innovative sponge-based moving bed-osmotic membrane bioreactor hybrid system using a new class of draw solution for municipal wastewater treatment. <i>Water Research</i> , 2016 , 91, 305-13	12.5	61
363	A novel membrane distillation-thermophilic bioreactor system: biological stability and trace organic compound removal. <i>Bioresource Technology</i> , 2014 , 159, 334-41	11	61
362	Intensified organics and nitrogen removal in the intermittent-aerated constructed wetland using a novel sludge-ceramsite as substrate. <i>Bioresource Technology</i> , 2016 , 210, 101-7	11	61
361	Effects of salinity build-up on the performance of an anaerobic membrane bioreactor regarding basic water quality parameters and removal of trace organic contaminants. <i>Bioresource Technology</i> , 2016 , 216, 399-405	11	59
360	Evaluation of Nitrous Oxide Emission from Sulfide- and Sulfur-Based Autotrophic Denitrification Processes. <i>Environmental Science & Technology</i> , 2016 , 50, 9407-15	10.3	59

359	Effects of salinity build-up on biomass characteristics and trace organic chemical removal: implications on the development of high retention membrane bioreactors. <i>Bioresource Technology</i> , 2015 , 177, 274-81	11	58
358	A Critical Review on the End Uses of Recycled Water. <i>Critical Reviews in Environmental Science and Technology</i> , 2013 , 43, 1446-1516	11.1	58
357	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
356	Evaluation of energy-distribution of a hybrid microbial fuel cell-membrane bioreactor (MFC-MBR) for cost-effective wastewater treatment. <i>Bioresource Technology</i> , 2016 , 200, 420-5	11	56
355	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	10.3	56
354	In-situ monitoring techniques for membrane fouling and local filtration characteristics in hollow fiber membrane processes: A critical review. <i>Journal of Membrane Science</i> , 2017 , 528, 187-200	9.6	55
353	Effect of filling fraction on the performance of sponge-based moving bed biofilm reactor. <i>Bioresource Technology</i> , 2016 , 219, 762-767	11	54
352	The effects of mediator and granular activated carbon addition on degradation of trace organic contaminants by an enzymatic membrane reactor. <i>Bioresource Technology</i> , 2014 , 167, 169-77	11	54
351	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
350	Food waste based biochars for ammonia nitrogen removal from aqueous solutions. <i>Bioresource Technology</i> , 2019 , 292, 121927	11	53
349	Biodecolorization of textile azo dye using sp. strain CH12 isolated from alkaline lake. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2017 , 15, 92-100	5.3	53
348	Comparison of the performance of submerged membrane bioreactor (SMBR) and submerged membrane adsorption bioreactor (SMABR). <i>Bioresource Technology</i> , 2008 , 99, 1012-7	11	53
347	Optimization of organics and nitrogen removal in intermittently aerated vertical flow constructed wetlands: Effects of aeration time and aeration rate. <i>International Biodeterioration and Biodegradation</i> , 2016 , 113, 139-145	4.8	53
346	Nitrogen removal via nitrite in a partial nitrification sequencing batch biofilm reactor treating high strength ammonia wastewater and its greenhouse gas emission. <i>Bioresource Technology</i> , 2017 , 230, 49-55	11.1	52
345	Effect of intermittent aeration cycle on nutrient removal and microbial community in a fluidized bed reactor-membrane bioreactor combo system. <i>Bioresource Technology</i> , 2014 , 156, 195-205	11	52
344	Removal of antibiotics in sponge membrane bioreactors treating hospital wastewater: Comparison between hollow fiber and flat sheet membrane systems. <i>Bioresource Technology</i> , 2017 , 240, 42-49	11	51
343	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
342	Novel stepwise pH control strategy to improve short chain fatty acid production from sludge anaerobic fermentation. <i>Bioresource Technology</i> , 2018 , 249, 431-438	11	51

341	Effect of operating parameters in a submerged membrane adsorption hybrid system: experiments and mathematical modeling. <i>Journal of Membrane Science</i> , 2005 , 247, 65-74	9.6	51
340	Engineering biocatalytic material for the remediation of pollutants: A comprehensive review. <i>Environmental Technology and Innovation</i> , 2020 , 20, 101063	7	51
339	Comparing the value of bioproducts from different stages of anaerobic membrane bioreactors. <i>Bioresource Technology</i> , 2016 , 214, 816-825	11	51
338	Dry thermophilic semi-continuous anaerobic digestion of food waste: Performance evaluation, modified Gompertz model analysis, and energy balance. <i>Energy Conversion and Management</i> , 2016 , 128, 203-210	10.6	51
337	A new class of draw solutions for minimizing reverse salt flux to improve forward osmosis desalination. <i>Science of the Total Environment</i> , 2015 , 538, 129-36	10.2	50
336	A mini-review on the impacts of climate change on wastewater reclamation and reuse. <i>Science of the Total Environment</i> , 2014 , 494-495, 9-17	10.2	50
335	Disability adjusted life year (DALY): a useful tool for quantitative assessment of environmental pollution. <i>Science of the Total Environment</i> , 2015 , 511, 268-87	10.2	50
334	Effect of hydraulic retention time on the performance of a hybrid moving bed biofilm reactor-membrane bioreactor system for micropollutants removal from municipal wastewater. <i>Bioresource Technology</i> , 2018 , 247, 1228-1232	11	49
333	Evaluating the sustainability of free water surface flow constructed wetlands: Methane and nitrous oxide emissions. <i>Journal of Cleaner Production</i> , 2017 , 147, 152-156	10.3	48
332	Membrane fouling reduction and improvement of sludge characteristics by biofloculant addition in submerged membrane bioreactor. <i>Separation and Purification Technology</i> , 2015 , 156, 450-458	8.3	48
331	A novel osmosis membrane bioreactor-membrane distillation hybrid system for wastewater treatment and reuse. <i>Bioresource Technology</i> , 2016 , 209, 8-15	11	48
330	Enhancement of surface flow constructed wetlands performance at low temperature through seasonal plant collocation. <i>Bioresource Technology</i> , 2017 , 224, 222-228	11	48
329	Membrane fouling control and enhanced phosphorus removal in an aerated submerged membrane bioreactor using modified green biofloculant. <i>Bioresource Technology</i> , 2009 , 100, 4289-91	11	47
328	Effects of sponge size and type on the performance of an up-flow sponge bioreactor in primary treated sewage effluent treatment. <i>Bioresource Technology</i> , 2010 , 101, 1416-20	11	46
327	Exploring an innovative surfactant and phosphate-based draw solution for forward osmosis desalination. <i>Journal of Membrane Science</i> , 2015 , 489, 212-219	9.6	45
326	Strategies and techniques to enhance constructed wetland performance for sustainable wastewater treatment. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 14637-50	5.1	45
325	Insight into biological phosphate recovery from sewage. <i>Bioresource Technology</i> , 2016 , 218, 874-81	11	45
324	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

3 ²³	Application of anaerobic granular sludge for competitive biosorption of methylene blue and Pb(II): Fluorescence and response surface methodology. <i>Bioresource Technology</i> , 2015 , 194, 297-304	11	44
3 ²²	Effect of different flocculants on short-term performance of submerged membrane bioreactor. <i>Separation and Purification Technology</i> , 2010 , 70, 274-279	8.3	44
3 ²¹	Simultaneous improvement of waste gas purification and nitrogen removal using a novel aerated vertical flow constructed wetland. <i>Water Research</i> , 2018 , 130, 79-87	12.5	44
3 ²⁰	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
3 ¹⁹	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
3 ¹⁸	Performance of microbial fuel cell for treating swine wastewater containing sulfonamide antibiotics. <i>Bioresource Technology</i> , 2020 , 311, 123588	11	43
3 ¹⁷	Enhanced high-quality biomethane production from anaerobic digestion of primary sludge by corn stover biochar. <i>Bioresource Technology</i> , 2020 , 306, 123159	11	43
3 ¹⁶	Factors governing the pre-concentration of wastewater using forward osmosis for subsequent resource recovery. <i>Science of the Total Environment</i> , 2016 , 566-567, 559-566	10.2	43
3 ¹⁵	Modelling bioprocesses and membrane fouling in membrane bioreactor (MBR): a review towards finding an integrated model framework. <i>Bioresource Technology</i> , 2012 , 122, 119-29	11	43
3 ¹⁴	Experimental investigation of adsorption-flocculation-microfiltration hybrid system in wastewater reuse. <i>Journal of Membrane Science</i> , 2004 , 242, 27-35	9.6	43
3 ¹³	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
3 ¹²	Exploring high charge of phosphate as new draw solute in a forward osmosis-membrane distillation hybrid system for concentrating high-nutrient sludge. <i>Science of the Total Environment</i> , 2016 , 557-558, 44-50	10.2	42
3 ¹¹	Feasibility of iron loaded 'okara' for biosorption of phosphorous in aqueous solutions. <i>Bioresource Technology</i> , 2013 , 150, 42-9	11	42
3 ¹⁰	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
3 ⁰⁹	Autotrophic nitrogen removal in membrane-aerated biofilms: Archaeal ammonia oxidation versus bacterial ammonia oxidation. <i>Chemical Engineering Journal</i> , 2016 , 302, 535-544	14.7	41
3 ⁰⁸	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. <i>Bioresource Technology</i> , 2016 , 207, 134-41	11	40
3 ⁰⁷	Effects of hydraulic retention time and bioflocculant addition on membrane fouling in a sponge-submerged membrane bioreactor. <i>Bioresource Technology</i> , 2016 , 210, 11-7	11	40
3 ⁰⁶	Watermelon rind: agro-waste or superior biosorbent?. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 167, 1699-715	3.2	40

305	Performance of a microbial fuel cell-based biosensor for online monitoring in an integrated system combining microbial fuel cell and upflow anaerobic sludge bed reactor. <i>Bioresource Technology</i> , 2016 , 218, 286-93	11	39
304	Comparison between sequential and simultaneous application of activated carbon with membrane bioreactor for trace organic contaminant removal. <i>Bioresource Technology</i> , 2013 , 130, 412-7	11	39
303	Evaluation of a sponge assisted-granular anaerobic membrane bioreactor (SG-AnMBR) for municipal wastewater treatment. <i>Renewable Energy</i> , 2017 , 111, 620-627	8.1	39
302	Enhanced low C/N nitrogen removal in an innovative microbial fuel cell (MFC) with electroconductivity aerated membrane (EAM) as biocathode. <i>Chemical Engineering Journal</i> , 2017 , 316, 315-322	14.7	38
301	Impact of reactor configurations on the performance of a granular anaerobic membrane bioreactor for municipal wastewater treatment. <i>International Biodeterioration and Biodegradation</i> , 2017 , 121, 131-138	14.8	38
300	Applicability of a novel osmotic membrane bioreactor using a specific draw solution in wastewater treatment. <i>Science of the Total Environment</i> , 2015 , 518-519, 586-94	10.2	38
299	Effect of plant harvesting on the performance of constructed wetlands during winter: radial oxygen loss and microbial characteristics. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 7476-84	5.1	38
298	Partial nitrification granular sludge reactor as a pretreatment for anaerobic ammonium oxidation (Anammox): Achievement, performance and microbial community. <i>Bioresource Technology</i> , 2018 , 269, 25-31	11	37
297	Pilot scale study on a new membrane bioreactor hybrid system in municipal wastewater treatment. <i>Bioresource Technology</i> , 2013 , 141, 8-12	11	37
296	New and practical mathematical model of membrane fouling in an aerobic submerged membrane bioreactor. <i>Bioresource Technology</i> , 2017 , 238, 86-94	11	36
295	Biosorption performance evaluation of heavy metal onto aerobic granular sludge-derived biochar in the presence of effluent organic matter via batch and fluorescence approaches. <i>Bioresource Technology</i> , 2018 , 249, 410-416	11	36
294	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
293	Removal process of antibiotics during anaerobic treatment of swine wastewater. <i>Bioresource Technology</i> , 2020 , 300, 122707	11	36
292	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
291	Rapid start-up of the anammox process: Effects of five different sludge extracellular polymeric substances on the activity of anammox bacteria. <i>Bioresource Technology</i> , 2016 , 220, 641-646	11	35
290	Development and evaluation of a new multi-metal binding biosorbent. <i>Bioresource Technology</i> , 2014 , 160, 98-106	11	35
289	System performance and microbial community succession in a partial nitrification biofilm reactor in response to salinity stress. <i>Bioresource Technology</i> , 2018 , 270, 512-518	11	35
288	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

287	Selective production of volatile fatty acids at different pH in an anaerobic membrane bioreactor. <i>Bioresource Technology</i> , 2019 , 283, 120-128	11	34
286	Effect on physical and chemical characteristics of activated carbon on adsorption of trimethoprim: mechanisms study. <i>RSC Advances</i> , 2015 , 5, 85187-85195	3-7	34
285	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
284	Performance of cabbage and cauliflower wastes for heavy metals removal. <i>Desalination and Water Treatment</i> , 2014 , 52, 844-860		34
283	Roles of sponge sizes and membrane types in a single stage sponge-submerged membrane bioreactor for improving nutrient removal from wastewater for reuse. <i>Desalination</i> , 2009 , 249, 672-676	10.3	34
282	Advances in thermostable laccase and its current application in lignin-first biorefinery: A review. <i>Bioresource Technology</i> , 2020 , 298, 122511	11	34
281	New insights for enhancing the performance of constructed wetlands at low temperatures. <i>Bioresource Technology</i> , 2020 , 301, 122722	11	34
280	Effects of sulphur on the performance of an anaerobic membrane bioreactor: Biological stability, trace organic contaminant removal, and membrane fouling. <i>Bioresource Technology</i> , 2018 , 250, 171-177	11	34
279	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
278	Simultaneous removal of phosphorus and nitrogen from sewage using a novel combo system of fluidized bed reactor-membrane bioreactor (FBR-MBR). <i>Bioresource Technology</i> , 2013 , 149, 276-85	11	33
277	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
276	Responses of community to the possible use of recycled water for washing machines: A case study in Sydney, Australia. <i>Resources, Conservation and Recycling</i> , 2011 , 55, 535-540	11.9	32
275	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
274	New perspectives on microbial communities and biological nitrogen removal processes in wastewater treatment systems. <i>Bioresource Technology</i> , 2020 , 297, 122491	11	32
273	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
272	Performance, microbial community and fluorescent characteristic of microbial products in a solid-phase denitrification biofilm reactor for WWTP effluent treatment. <i>Journal of Environmental Management</i> , 2018 , 227, 375-385	7.9	32
271	High rate nitrogen removal by ANAMMOX internal circulation reactor (IC) for old landfill leachate treatment. <i>Bioresource Technology</i> , 2017 , 234, 281-288	11	31
270	Improving low-temperature performance of surface flow constructed wetlands using <i>Potamogeton crispus</i> L. plant. <i>Bioresource Technology</i> , 2016 , 218, 1257-60	11	31

269	A comparative study on different metal loaded soybean milk by-product 'okara' for biosorption of phosphorus from aqueous solution. <i>Bioresource Technology</i> , 2014 , 169, 291-298	11	31
268	Application of rumen and anaerobic sludge microbes for bio harvesting from lignocellulosic biomass. <i>Chemosphere</i> , 2019 , 228, 702-708	8.4	30
267	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
266	Experimental investigation of local flux distribution and fouling behavior in double-end and dead-end submerged hollow fiber membrane modules. <i>Journal of Membrane Science</i> , 2014 , 453, 18-26	9.6	30
265	Chloramphenicol interaction with functionalized biochar in water: sorptive mechanism, molecular imprinting effect and repeatable application. <i>Science of the Total Environment</i> , 2017 , 609, 885-895	10.2	30
264	Enhancement of the performance of anaerobic fluidized bed bioreactors (AFBBRs) by a new starch based flocculant. <i>Separation and Purification Technology</i> , 2010 , 72, 140-146	8.3	30
263	Enhanced nutrient removal and mechanisms study in benthic fauna added surface-flow constructed wetlands: The role of <i>Tubifex tubifex</i> . <i>Bioresource Technology</i> , 2017 , 224, 157-165	11	29
262	Performance and membrane fouling of two types of laboratory-scale submerged membrane bioreactors for hospital wastewater treatment at low flux condition. <i>Separation and Purification Technology</i> , 2016 , 165, 123-129	8.3	29
261	Enhanced long-term organics and nitrogen removal and associated microbial community in intermittently aerated subsurface flow constructed wetlands. <i>Bioresource Technology</i> , 2016 , 214, 871-875 ¹¹	11	29
260	A new approach for concurrently improving performance of South Korean food waste valorization and renewable energy recovery via dry anaerobic digestion under mesophilic and thermophilic conditions. <i>Waste Management</i> , 2017 , 66, 161-168	8.6	28
259	Purification ability and carbon dioxide flux from surface flow constructed wetlands treating sewage treatment plant effluent. <i>Bioresource Technology</i> , 2016 , 219, 768-772	11	28
258	Nitrous oxide generation in denitrifying phosphorus removal process: main causes and control measures. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 5353-60	5.1	28
257	Electrocatalytic oxidation of n-propanol to produce propionic acid using an electrocatalytic membrane reactor. <i>Chemical Communications</i> , 2013 , 49, 4501-3	5.8	28
256	Enhancing simultaneous response and amplification of biosensor in microbial fuel cell-based upflow anaerobic sludge bed reactor supplemented with zero-valent iron. <i>Chemical Engineering Journal</i> , 2017 , 327, 1117-1127	14.7	28
255	Effect of flocculation and/or adsorption as pretreatment on the critical flux of crossflow microfiltration. <i>Desalination</i> , 2005 , 172, 53-62	10.3	28
254	Effects of shearing on biogas production and microbial community structure during anaerobic digestion with recuperative thickening. <i>Bioresource Technology</i> , 2017 , 234, 439-447	11	27
253	Effects of suspended titanium dioxide nanoparticles on cake layer formation in submerged membrane bioreactor. <i>Bioresource Technology</i> , 2014 , 152, 101-6	11	27
252	Effect of phosphorus load on nutrients removal and N ₂ O emission during low-oxygen simultaneous nitrification and denitrification process. <i>Bioresource Technology</i> , 2013 , 141, 123-30	11	27

251	Behavior of nitrogen removal in an aerobic sponge based moving bed biofilm reactor. <i>Bioresource Technology</i> , 2017 , 245, 1282-1285	11	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. <i>Journal of Colloid and Interface Science</i> , 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. <i>Bioresource Technology</i> , 2020 , 313, 123642 ¹¹	11	26
248	Effect of magnetic powder on membrane fouling mitigation and microbial community/composition in membrane bioreactors (MBRs) for municipal wastewater treatment. <i>Bioresource Technology</i> , 2018 , 249, 377-385	11	26
247	Removal and degradation mechanisms of sulfonamide antibiotics in a new integrated aerobic submerged membrane bioreactor system. <i>Bioresource Technology</i> , 2018 , 268, 599-607	11	26
246	Phosphorus elimination from aqueous solution using 'zirconium loaded okara' as a biosorbent. <i>Bioresource Technology</i> , 2014 , 170, 30-37	11	26
245	SWOT analysis to assist identification of the critical factors for the successful implementation of water reuse schemes. <i>Desalination and Water Treatment</i> , 2011 , 32, 297-306		26
244	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
243	Can membrane bioreactor be a smart option for water treatment?. <i>Bioresource Technology Reports</i> , 2018 , 4, 80-87	4.1	26
242	Nutrient recovery from wastewater: From technology to economy. <i>Bioresource Technology Reports</i> , 2020 , 11, 100425	4.1	25
241	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
240	Impact of simultaneous retention of micropollutants and laccase on micropollutant degradation in enzymatic membrane bioreactor. <i>Bioresource Technology</i> , 2018 , 267, 473-480	11	25
239	Effect of granular activated carbon addition on the effluent properties and fouling potentials of membrane-coupled expanded granular sludge bed process. <i>Bioresource Technology</i> , 2014 , 171, 240-6	11	25
238	Effects of low-concentration Cr(VI) on the performance and the membrane fouling of a submerged membrane bioreactor in the treatment of municipal wastewater. <i>Biofouling</i> , 2014 , 30, 105-14	3.3	25
237	A Novel Sponge-Submerged Membrane Bioreactor (SSMBR) for Wastewater Treatment and Reuse. <i>Separation Science and Technology</i> , 2008 , 43, 273-285	2.5	25
236	Lateral dynamic interaction analysis of a train-girder pier system. <i>Journal of Sound and Vibration</i> , 2008 , 318, 927-942	3.9	25
235	Investigation of backwashing effectiveness in membrane bioreactor (MBR) based on different membrane fouling stages. <i>Bioresource Technology</i> , 2018 , 269, 355-362	11	25
234	Roles and applications of enzymes for resistant pollutants removal in wastewater treatment. <i>Bioresource Technology</i> , 2021 , 335, 125278	11	25

233	Optimization of sensing performance in an integrated dual sensors system combining microbial fuel cells and upflow anaerobic sludge bed reactor. <i>Chemosphere</i> , 2018 , 210, 931-940	8.4	24
232	Molecular characterization of long-term impacts of macrophytes harvest management in constructed wetlands. <i>Bioresource Technology</i> , 2018 , 268, 514-522	11	24
231	Microbial Fingerprinting of Potential Biodegrading Organisms. <i>Current Pollution Reports</i> , 2019 , 5, 181-197.6		24
230	Microalgae for saline wastewater treatment: a critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2020 , 50, 1224-1265	11.1	24
229	Removal mechanisms and plant species selection by bioaccumulative factors in surface flow constructed wetlands (CWs): In the case of triclosan. <i>Science of the Total Environment</i> , 2016 , 547, 9-16	10.2	23
228	Development of biochars from pyrolysis of lotus stalks for Ni(II) sorption: Using zinc borate as flame retardant. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014 , 107, 336-341	6	23
227	A review towards finding a simplified approach for modelling the kinetics of the soluble microbial products (SMP) in an integrated mathematical model of membrane bioreactor (MBR). <i>International Biodeterioration and Biodegradation</i> , 2013 , 85, 466-473	4.8	23
226	Influence of organic shock loads on the production of N ₂ O in denitrifying phosphorus removal process. <i>Bioresource Technology</i> , 2013 , 141, 160-6	11	23
225	Simple approaches towards the design of an attached-growth sponge bioreactor (AGSB) for wastewater treatment and reuse. <i>Water Science and Technology</i> , 2006 , 54, 191-7	2.2	23
224	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
223	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
222	The role of a membrane performance enhancer in a membrane bioreactor: a comparison with other submerged membrane hybrid systems. <i>Desalination</i> , 2008 , 231, 305-313	10.3	22
221	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
220	Rapid start-up of the anammox process by denitrifying granular sludge and the mechanism of the anammox electron transport chain. <i>Biochemical Engineering Journal</i> , 2016 , 115, 101-107	4.2	22
219	Fluoride removal from water using a magnesia-pullulan composite in a continuous fixed-bed column. <i>Journal of Environmental Management</i> , 2018 , 206, 929-937	7.9	22
218	Recovery of resources from industrial wastewater employing electrochemical technologies: status, advancements and perspectives. <i>Bioengineered</i> , 2021 , 12, 4697-4718	5.7	22
217	Large-scale multi-stage constructed wetlands for secondary effluents treatment in northern China: Carbon dynamics. <i>Environmental Pollution</i> , 2018 , 233, 933-942	9.3	21
216	A new combined inorganic-organic flocculant (CIOF) as a performance enhancer for aerated submerged membrane bioreactor. <i>Separation and Purification Technology</i> , 2010 , 75, 204-209	8.3	21

215	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
214	Sustainability evaluation and implication of a large scale membrane bioreactor plant. <i>Bioresource Technology</i> , 2018 , 269, 246-254	11	21
213	Removal of antibiotics (sulfamethazine, tetracycline and chloramphenicol) from aqueous solution by raw and nitrogen plasma modified steel shavings. <i>Science of the Total Environment</i> , 2017 , 601-602, 845-856	10.2	20
212	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
211	Effects of C/N ratio on the performance of a hybrid sponge-assisted aerobic moving bed-anaerobic granular membrane bioreactor for municipal wastewater treatment. <i>Bioresource Technology</i> , 2018 , 247, 340-346	11	20
210	Metronidazole removal in powder-activated carbon and concrete-containing graphene adsorption systems: Estimation of kinetic, equilibrium and thermodynamic parameters and optimization of adsorption by a central composite design. <i>Journal of Environmental Science and Health - Part A Toxicology, Substances and Environmental Engineering</i> , 2017 , 50, 1212-1222	2.3	20
209	Identification of the pollutants' removal and mechanism by microalgae in saline wastewater. <i>Bioresource Technology</i> , 2019 , 275, 44-52	11	20
208	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
207	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
206	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
205	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
204	Nitrous oxide emission in an aerobic granulation sequencing batch airlift reactor at ambient temperatures. <i>International Biodeterioration and Biodegradation</i> , 2013 , 85, 533-538	4.8	19
203	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
202	Substrate Diffusion within Biofilms Significantly Influencing the Electron Competition during Denitrification. <i>Environmental Science & Technology</i> , 2019 , 53, 261-269	10.3	19
201	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
200	Feasibility study on magnetic enhanced flocculation for mitigating membrane fouling. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 26, 37-45	6.3	18
199	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
198	Wastewater treatment and biomass growth of eight plants for shallow bed wetland roofs. <i>Bioresource Technology</i> , 2018 , 247, 992-998	11	18

197	Transformation and utilization of slowly biodegradable organic matters in biological sewage treatment of anaerobic anoxic oxic systems. <i>Bioresource Technology</i> , 2016 , 218, 53-61	11	18
196	Enhancement of anammox performance in a novel non-woven fabric membrane bioreactor (nMBR). <i>RSC Advances</i> , 2015 , 5, 86875-86884	3.7	18
195	Multi-criteria analysis towards the new end use of recycled water for household laundry: a case study in Sydney. <i>Science of the Total Environment</i> , 2012 , 438, 59-65	10.2	18
194	N ₂ O reduction during municipal wastewater treatment using a two-sludge SBR system acclimatized with propionate. <i>Chemical Engineering Journal</i> , 2013 , 222, 353-360	14.7	18
193	Submerged membrane adsorption hybrid system (SMAHS): process control and optimization of operating parameters. <i>Desalination</i> , 2007 , 202, 392-399	10.3	18
192	Enhancement Strategies for Hydrogen Production from Wastewater: A Review. <i>Current Organic Chemistry</i> , 2016 , 20, 2744-2752	1.7	18
191	Effect of photosynthetically elevated pH on performance of surface flow-constructed wetland planted with <i>Phragmites australis</i> . <i>Environmental Science and Pollution Research</i> , 2016 , 23, 15524-31	5.1	17
190	Removal of phosphorus by a high rate membrane adsorption hybrid system. <i>Bioresource Technology</i> , 2016 , 201, 365-9	11	17
189	Optimizing sulfur-driven mixotrophic denitrification process: System performance and nitrous oxide emission. <i>Chemical Engineering Science</i> , 2017 , 172, 414-422	4.4	17
188	A review on application of enzymatic bioprocesses in animal wastewater and manure treatment. <i>Bioresource Technology</i> , 2020 , 313, 123683	11	16
187	Biosorption of effluent organic matter onto magnetic biochar composite: Behavior of fluorescent components and their binding properties. <i>Bioresource Technology</i> , 2016 , 214, 259-265	11	16
186	Evaluation of sponge tray-membrane bioreactor (ST-MBR) for primary treated sewage effluent treatment. <i>Bioresource Technology</i> , 2012 , 113, 143-7	11	16
185	A filtration model for prediction of local flux distribution and optimization of submerged hollow fiber membrane module. <i>AIChE Journal</i> , 2015 , 61, 4377-4386	3.6	16
184	Carbohydrate-based activated carbon with high surface acidity and basicity for nickel removal from synthetic wastewater. <i>RSC Advances</i> , 2015 , 5, 52048-52056	3.7	16
183	In situ investigation of combined organic and colloidal fouling for nanofiltration membrane using ultrasonic time domain reflectometry. <i>Desalination</i> , 2015 , 362, 43-51	10.3	16
182	Bioremediation of endosulfan in laboratory-scale constructed wetlands: effect of bioaugmentation and biostimulation. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 12827-35	5.1	16
181	A review on membrane fouling control in anaerobic membrane bioreactors by adding performance enhancers. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101867	6.7	16
180	Performance of constructed wetlands and associated mechanisms of PAHs removal with mussels. <i>Chemical Engineering Journal</i> , 2019 , 357, 280-287	14.7	16

179	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
178	Microbial community characteristics during simultaneous nitrification-denitrification process: effect of COD/TP ratio. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 2557-65	5.1	15
177	Enhanced efficiency for better wastewater sludge hydrolysis conversion through ultrasonic hydrolytic pretreatment. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 71, 244-252	5.3	15
176	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
175	Pesticides in stormwater runoff: A mini review. <i>Frontiers of Environmental Science and Engineering</i> , 2019 , 13, 1	5.8	15
174	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
173	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
172	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
171	Specific approach for membrane fouling control and better treatment performance of an anaerobic submerged membrane bioreactor. <i>Bioresource Technology</i> , 2018 , 268, 658-664	11	15
170	Estimation of uncertainty in the sampling and analysis of polychlorinated biphenyls and polycyclic aromatic hydrocarbons from contaminated soil in Brighton, UK. <i>Science of the Total Environment</i> , 2014 , 497-498, 163-171	10.2	15
169	Photolytic and photocatalytic degradation of organic UV filters in contaminated water. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2017 , 6, 85-92	7.9	15
168	Experimental investigation on acclimatized wastewater for membrane bioreactors. <i>Desalination</i> , 2007 , 207, 383-391	10.3	15
167	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
166	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
165	A Fluorescence Approach to Assess the Production of Soluble Microbial Products from Aerobic Granular Sludge Under the Stress of 2,4-Dichlorophenol. <i>Scientific Reports</i> , 2016 , 6, 24444	4.9	15
164	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
163	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
162	A new sponge tray bioreactor in primary treated sewage effluent treatment. <i>Bioresource Technology</i> , 2011 , 102, 5444-7	11	14

161	Influence of bioreaction on a long-term operation of a submerged membrane adsorption hybrid system. <i>Desalination</i> , 2006 , 191, 92-99	10.3	14
160	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
159	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
158	A comprehensive framework for the assessment of new end uses in recycled water schemes. <i>Science of the Total Environment</i> , 2014 , 470-471, 44-52	10.2	12
157	A modeling approach to direct interspecies electron transfer process in anaerobic transformation of ethanol to methane. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 855-863	5.1	12
156	Feasibility assessment of recycled water use for washing machines in Australia through SWOT analysis. <i>Resources, Conservation and Recycling</i> , 2011 , 56, 87-91	11.9	12
155	Comparison of membrane bioreactor systems in wastewater treatment. <i>Desalination</i> , 2008 , 231, 61-70	10.3	12
154	Sustainable mitigation of heavy metals from effluents: Toxicity and fate with recent technological advancements. <i>Bioengineered</i> , 2021 , 12, 7297-7313	5.7	12
153	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
152	Effect of straw and polyacrylamide on the stability of land/water ecotone soil and the field implementation. <i>Ecological Engineering</i> , 2016 , 94, 12-21	3.9	11
151	Spectroscopic characteristics of dissolved organic matter from aquaculture wastewater and its interaction mechanism to chlorinated phenol compound. <i>Journal of Molecular Liquids</i> , 2018 , 263, 422-427	6	11
150	Analysis of Sydney's recycled water schemes. <i>Frontiers of Environmental Science and Engineering</i> , 2013 , 7, 608-615	5.8	11
149	Reverse osmosis pretreatment method for toxicity assessment of domestic wastewater using <i>Vibrio qinghaiensis</i> sp.-Q67. <i>Ecotoxicology and Environmental Safety</i> , 2013 , 97, 248-54	7	11
148	Effects of sludge concentrations and different sponge configurations on the performance of a sponge-submerged membrane bioreactor. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 167, 1678-87	3.2	11
147	Analysis of social attitude to the new end use of recycled water for household laundry in Australia by the regression models. <i>Journal of Environmental Management</i> , 2013 , 126, 79-84	7.9	11
146	New thermodynamic entropy calculation based approach towards quantifying the impact of eutrophication on water environment. <i>Science of the Total Environment</i> , 2017 , 603-604, 86-93	10.2	10
145	Effect of Tris-(hydroxymethyl)-amino methane on microalgae biomass growth in a photobioreactor. <i>Bioresource Technology</i> , 2016 , 208, 1-6	11	10
144	A novel mechanistic model for nitrogen removal in algal-bacterial photo sequencing batch reactors. <i>Bioresource Technology</i> , 2018 , 267, 502-509	11	10

143	New proposed conceptual mathematical models for biomass viability and membrane fouling of membrane bioreactor. <i>Bioresource Technology</i> , 2013 , 142, 737-40	11	10
142	Characteristics of electron transport chain and affecting factors for thiosulfate-driven perchlorate reduction. <i>Chemosphere</i> , 2017 , 185, 539-547	8.4	10
141	Stormwater quality management in rail transportation--past, present and future. <i>Science of the Total Environment</i> , 2015 , 512-513, 353-363	10.2	10
140	Risk Control in Recycled Water Schemes. <i>Critical Reviews in Environmental Science and Technology</i> , 2013 , 43, 2439-2510	11.1	10
139	Membranes coupled with physico chemical treatment in water reuse. <i>Water Science and Technology</i> , 2010 , 61, 513-9	2.2	10
138	Concepts towards a novel integrated assessment methodology of urban water reuse. <i>Desalination and Water Treatment</i> , 2009 , 11, 81-92		10
137	Evaluation of an integrated sponge--granular activated carbon fluidized bed bioreactor for treating primary treated sewage effluent. <i>Bioresource Technology</i> , 2011 , 102, 5448-53	11	10
136	Intensive removal of PAHs in constructed wetland filled with copper biochar. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 205, 111028	7	10
135	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
134	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
133	Porous structure and adsorptive properties of hide waste activated carbons prepared via potassium silicate activation. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014 , 109, 311-314	6	9
132	A laboratory study using maple leaves as a biosorbent for lead removal from aqueous solutions. <i>Water Quality Research Journal of Canada</i> , 2014 , 49, 195-209	1.7	9
131	Vision and perception of community on the use of recycled water for household laundry: a case study in Australia. <i>Science of the Total Environment</i> , 2013 , 463-464, 657-66	10.2	9
130	Characterization of fouling layers for in-line coagulation membrane fouling by apparent zeta potential. <i>RSC Advances</i> , 2015 , 5, 106087-106093	3.7	9
129	Integration of Inorganic Micronutrients and Natural Starch Based Cationic Flocculant in Primary Treated Sewage Effluent (PTSE) Treatment. <i>Separation Science and Technology</i> , 2010 , 45, 619-625	2.5	9
128	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
127	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
126	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

125	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
124	Optimization of an integrated sponge--granular activated carbon fluidized bed bioreactor as pretreatment to microfiltration in wastewater reuse. <i>Bioresource Technology</i> , 2012 , 113, 214-8	11	8
123	Comparative study on microstructure and surface properties of keratin- and lignocellulosic-based activated carbons. <i>Fuel Processing Technology</i> , 2015 , 140, 67-75	7.2	8
122	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
121	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
120	A novel aerated surface flow constructed wetland using exhaust gas from biological wastewater treatment: Performance and mechanisms. <i>Bioresource Technology</i> , 2018 , 250, 94-101	11	7
119	Establishment of an economic evaluation model for urban recycled water. <i>Resources, Conservation and Recycling</i> , 2013 , 72, 67-75	11.9	7
118	Maximum allowable values of the heavy metals in recycled water for household laundry. <i>Science of the Total Environment</i> , 2013 , 452-453, 427-32	10.2	7
117	Resident's strategy survey on a new end use of recycled water in Australia. <i>Desalination and Water Treatment</i> , 2009 , 11, 93-97		7
116	Modeling electron competition among nitrogen oxides reduction and N O accumulation in hydrogenotrophic denitrification. <i>Biotechnology and Bioengineering</i> , 2018 , 115, 978-988	4.9	7
115	Improvement of bioavailable carbon source and microbial structure toward enhanced nitrate removal by <i>Tubifex tubifex</i> . <i>Chemical Engineering Journal</i> , 2018 , 353, 699-707	14.7	7
114	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
113	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
112	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
111	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
110	Biomass viability: An experimental study and the development of an empirical mathematical model for submerged membrane bioreactor. <i>Bioresource Technology</i> , 2015 , 190, 352-8	11	6
109	Recent advances in attached growth membrane bioreactor systems for wastewater treatment. <i>Science of the Total Environment</i> , 2021 , 152123	10.2	6
108	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

107	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	11	6
106	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
105	Sustainable enzymatic technologies in waste animal fat and protein management. <i>Journal of Environmental Management</i> , 2021 , 284, 112040	7.9	6
104	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
103	Improving nutrient removal performance of surface flow constructed wetlands in winter using hardy submerged plant-benthic fauna systems.. <i>RSC Advances</i> , 2018 , 8, 42179-42188	3.7	6
102	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
101	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
100	Introduction and feasibility assessment of laundry use of recycled water in dual reticulation systems in Australia. <i>Science of the Total Environment</i> , 2014 , 470-471, 34-43	10.2	5
99	Impact assessment of excess discharges of organics and nutrients into aquatic systems by thermodynamic entropy calculation. <i>Journal of Environmental Management</i> , 2012 , 112, 45-52	7.9	5
98	Physico-Chemical Processes for Landfill Leachate Treatment: Experiments and Mathematical Models. <i>Separation Science and Technology</i> , 2008 , 43, 347-361	2.5	5
97	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
96	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
95	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
94	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
93	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
92	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
91	A new optional recycled water pre-treatment system prior to use in the household laundry. <i>Science of the Total Environment</i> , 2014 , 476-477, 513-21	10.2	4
90	Influences of operational parameters on phosphorus removal in batch and continuous electrocoagulation process performance. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 25441-25451 ⁴	5.1	4

89	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
88	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
87	The impact of gas slug flow on microfiltration performance in an airlift external loop tubular membrane reactor. <i>RSC Advances</i> , 2016 , 6, 109067-109075	3.7	4
86	Powdered activated carbon addition for fouling control in anaerobic membrane bioreactor. <i>Bioresource Technology Reports</i> , 2021 , 15, 100721	4.1	4
85	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
84	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
83	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
82	Anaerobic membrane bioreactors for antibiotic wastewater treatment 2020 , 219-239		3
81	NO emission and bacterial community dynamics during realization of the partial nitrification process.. <i>RSC Advances</i> , 2018 , 8, 24305-24311	3.7	3
80	Membrane Processes for Water Reclamation and Reuse 2012 , 239-275		3
79	Impact factors and novel strategies for improving biohydrogen production in microbial electrolysis cells.. <i>Bioresource Technology</i> , 2021 , 126588	11	3
78	Aerobic membrane bioreactors for municipal wastewater treatment 2020 , 103-128		3
77	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
76	Anaerobic Membrane Bioreactors for Future Green Bioprocesses 2016 , 867-901		3
75	Advances of Photobioreactors in Wastewater Treatment: Engineering Aspects, Applications and Future Perspectives. <i>Energy, Environment, and Sustainability</i> , 2019 , 297-329	0.8	3
74	Effects of poly aluminum chloride dosing positions on the performance of a pilot scale anoxic/oxic-membrane bioreactor (A/O-MBR). <i>Water Science and Technology</i> , 2015 , 72, 689-95	2.2	2
73	Using Chemically Enhanced Primary Treatment (CEPT) as a Pretreatment Option for Anaerobic Digestate from Cattle Manure Digestion System. <i>Water (Switzerland)</i> , 2017 , 9, 487	3	2
72	Effect of heavy metals in recycled water used for household laundry on quality of cloth and washing machine. <i>Desalination and Water Treatment</i> , 2015 , 54, 178-190		2

71	Enhancement of Membrane Processes with Attached Growth Media 2012 , 603-634		2
70	Bio-membrane integrated systems for nitrogen recovery from wastewater in circular bioeconomy. <i>Chemosphere</i> , 2021 , 289, 133175	8.4	2
69	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
68	Special issue on Challenges in Environmental Science and Engineering (CESE-2015). <i>Bioresource Technology</i> , 2016 , 210, 1	11	2
67	Editorial overview: Green technologies for environmental remediation. <i>Current Opinion in Environmental Science and Health</i> , 2019 , 12, A1-A3	8.1	2
66	Non-conventional Anaerobic Bioreactors for Sustainable Wastewater Treatment. <i>Energy, Environment, and Sustainability</i> , 2019 , 265-295	0.8	2
65	Anaerobic membrane bioreactors for emerging pollutants removal 2020 , 197-218		2
64	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
63	Defluoridation by magnesium pullulan: Surface complexation modeling and pH neutralization of treated fluoride water by aluminum. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 93, 625-631	5.3	2
62	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
61	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
60	Advanced strategies for enhancing dark fermentative biohydrogen production from biowaste towards sustainable environment.. <i>Bioresource Technology</i> , 2022 , 351, 127045	11	2
59	Modeling aerobic biotransformation of vinyl chloride by vinyl chloride-assimilating bacteria, methanotrophs and ethenotrophs. <i>Journal of Hazardous Materials</i> , 2017 , 332, 97-103	12.8	1
58	Sustainability analysis of large-scale membrane bioreactor plant 2020 , 1-20		1
57	Sustainable management and treatment technologies for micro-pollutants in wastewater 2020 , 1-22		1
56	Effect of sponge volume fraction on the performance of a novel fluidized bed bioreactor. <i>Water Science and Technology</i> , 2013 , 67, 2645-50	2.2	1
55	Membrane Processes for Wastewater Treatment 2012 , 169-216		1
54	Effect of Flocculation in Membrane-Flocculation Hybrid System in Water Reuse. <i>Separation Science and Technology</i> , 2005 , 39, 1871-1883	2.5	1

53	Recent advances in circular bioeconomy based clean technologies for sustainable environment. <i>Journal of Water Process Engineering</i> , 2022 , 46, 102534	6.7	1
52	Anaerobic membrane bioreactors—An introduction 2020 , 1-24		1
51	Advanced anaerobic membrane bioreactors: Performance enhancers and their hybrid systems 2020 , 109-142		1
50	Nutrient recovery in anaerobic membrane bioreactors 2020 , 283-307		1
49	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
48	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
47	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
46	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
45	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
44	Methods for the analysis of micro-pollutants 2020 , 63-86		0
43	Enhancement of urea removal from reclaimed water using thermally modified spent coffee ground biochar activated by adding peroxydisulfate for ultrapure water production.. <i>Bioresource Technology</i> , 2022 , 349, 126850	11	0
42	Hydrothermal Liquefaction of Food Waste: A Potential Resource Recovery Strategy 2021 , 21-46		0
41	Utilization of Microalgae and Thraustochytrids for the Production of Biofuel and Nutraceutical Products 2021 , 167-197		0
40	Removal and Recovery of Nutrients Using Low-Cost Adsorbents from Single-Component and Multicomponent Adsorption Systems 2021 , 397-435		0
39	Trends in Using Electron Beam for Treating Textile and Dyeing Wastewater 2021 , 525-557		0
38	Microbial electrolysis: a promising approach for treatment and resource recovery from industrial wastewater.. <i>Bioengineered</i> , 2022 , 13, 8115-8134	5.7	0
37	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
36	Characterization and flocculation performance of a newly green flocculant derived from natural bagasse cellulose.. <i>Chemosphere</i> , 2022 , 301, 134615	8.4	0

- 35 A new integrated single-chamber air-cathode microbial fuel cell - Anaerobic membrane bioreactor system for improving methane production and membrane fouling mitigation. *Journal of Membrane Science*, **2022**, 655, 120591 9.6 ○
- 34 Effect of humic acid on phenanthrene removal by constructed wetlands using birnessite as a substrate. *RSC Advances*, **2022**, 12, 15231-15239 3.7 ○
- 33 Biotransformation of organic micro-pollutants in biological wastewater **2020**, 185-204
- 32 Energy production in anaerobic membrane bioreactors: Opportunities and challenges **2020**, 309-333
- 31 A novel integrated assessment methodology of urban water reuse. *Water Science and Technology*, **2011**, 64, 1642-51 2.2
- 30 Fouling Control of Membranes with Pretreatment **2012**, 533-580
- 29 Carbon dioxide fixation and phycoremediation by algae-based technologies for biofuels and biomaterials **2022**, 253-277
- 28 Life-cycle assessment on sequestration of greenhouse gases for the production of biofuels and biomaterials **2022**, 179-202
- 27 Water Shortages **2015**, 3-13
- 26 Methane Recovery from Landfills **2021**, 699-722
- 25 Approaches Toward Resource Recovery from Breeding Wastewater **2021**, 559-599
- 24 Pertinent Issues of Algal Energy and Bio-Product Development A Biorefinery Perspective **2021**, 199-216
- 23 Resource Recovery and Reuse for Sustainable Future Introduction and Overview **2021**, 1-20
- 22 Recovery of Phosphorus from Wastewater and Sludge **2021**, 305-338
- 21 Resources Recovery and Reuse from Liquid and Solid Wastes Generated from Electrolytic Manganese Production **2021**, 601-634
- 20 Resource Recovery and Recycling from Livestock Manure: Current Statue, Challenges, and Future Prospects for Sustainable Management **2021**, 137-166
- 19 Hydrothermal Liquefaction of Lignocellulosic Biomass for Bioenergy Production **2021**, 83-107
- 18 Magnetic Iron-Based Oxide Materials for Selective Removal and Recovery of Phosphorus **2021**, 339-371

- 17 Improving Bioenergy Recovery from Anaerobic Digestion of Sewage Sludge **2021**, 275-304
- 16 Hydrocyclone-Separation Technologies for Resource Recovery and Reuse **2021**, 663-697
- 15 Recovery of Gold and Other Precious Metals by Biosorption **2021**, 463-488
- 14 Use and Development of Biochar-Based Materials for Effective Capture and Reuse of Phosphorus **2021**, 437-461
- 13 Resource Recovery-Oriented Sanitation and Sustainable Human Excreta Management **2021**, 109-136
- 12 Resource Recovery from Electronic Waste **2021**, 723-753
- 11 Bioelectrochemical System in Wastewater Treatment: Resource Recovery from Municipal and Industrial Wastewaters **2021**, 489-523
- 10 Coping with Change: (Re) Evolution of Waste Management in Local Authorities in England **2021**, 47-82
- 9 Recovery of Thermal Energy from Wastewater by Heat Pump Technology **2021**, 635-662
- 8 Forward Osmosis for Nutrients Recovery from Wastewater **2021**, 373-396
- 7 Resource Utilization of Sludge and Its Potential Environmental Applications for Wastewater **2021**, 217-245
- 6 Thermal-Chemical Treatment of Sewage Sludge Toward Enhanced Energy and Resource Recovery **2021**, 247-273
- 5 Green Technologies for Sustainable Water Management: Introduction and Overview **2016**, 1-34
- 4 Wastewater: A Potential Resource of Energy **2016**, 789-828
- 3 Thermodynamic entropy of organic oxidation in the water environment: experimental evaluation compared to semi-empirical calculation. *Environmental Science and Pollution Research*, **2016**, 23, 21350-21359
- 2 Aerobic membrane bioreactors and micropollutant removal **2020**, 147-162
- 1 Sustainability assessment of algae-based biomaterials **2022**, 237-250