

Xiaochang C Wang

List of Publications by Year in descending order

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245
papers

12,018
citations

36203

51
h-index

34900

98
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251
all docs

251
docs citations

251
times ranked

12052
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 619-641.	3.9	2,812
2	MOF-templated synthesis of CoFe ₂ O ₄ nanocrystals and its coupling with peroxymonosulfate for degradation of bisphenol A. <i>Chemical Engineering Journal</i> , 2018, 353, 329-339.	6.6	295
3	Bioaugmentation and biostimulation of hydrocarbon degradation and the microbial community in a petroleum-contaminated soil. <i>International Biodeterioration and Biodegradation</i> , 2016, 107, 158-164.	1.9	273
4	Implementation of a specific urban water management - Sponge City. <i>Science of the Total Environment</i> , 2019, 652, 147-162.	3.9	265
5	Synergetic promotion of syntrophic methane production from anaerobic digestion of complex organic wastes by biochar: Performance and associated mechanisms. <i>Bioresource Technology</i> , 2018, 250, 812-820.	4.8	250
6	Lactic acid fermentation from food waste with indigenous microbiota: Effects of pH, temperature and high OLR. <i>Waste Management</i> , 2016, 52, 278-285.	3.7	208
7	Biochar assisted thermophilic co-digestion of food waste and waste activated sludge under high feedstock to seed sludge ratio in batch experiment. <i>Bioresource Technology</i> , 2018, 249, 1009-1016.	4.8	149
8	Attenuation of BPA degradation by SO ₄ ²⁻ in a system of peroxymonosulfate coupled with Mn/Fe MOF-templated catalysts and its synergism with Cl ⁻ and bicarbonate. <i>Chemical Engineering Journal</i> , 2019, 372, 605-615.	6.6	146
9	Effect of pH on lactic acid production from acidogenic fermentation of food waste with different types of inocula. <i>Bioresource Technology</i> , 2017, 224, 544-552.	4.8	144
10	Application of anaerobic membrane bioreactors to municipal wastewater treatment at ambient temperature: A review of achievements, challenges, and perspectives. <i>Bioresource Technology</i> , 2018, 267, 756-768.	4.8	139
11	Effect of fermentation liquid from food waste as a carbon source for enhancing denitrification in wastewater treatment. <i>Chemosphere</i> , 2016, 144, 689-696.	4.2	134
12	A study on the reactivity characteristics of dissolved effluent organic matter (EfOM) from municipal wastewater treatment plant during ozonation. <i>Water Research</i> , 2016, 88, 643-652.	5.3	129
13	Characterization of a multi-metal binding biosorbent: Chemical modification and desorption studies. <i>Bioresource Technology</i> , 2015, 193, 477-487.	4.8	116
14	Efficient catalytic system for the direct transformation of lignocellulosic biomass to furfural and 5-hydroxymethylfurfural. <i>Bioresource Technology</i> , 2017, 224, 656-661.	4.8	116
15	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.	4.8	110
16	Enhanced formation of 5-HMF from glucose using a highly selective and stable SAPO-34 catalyst. <i>Chemical Engineering Journal</i> , 2017, 307, 877-883.	6.6	108
17	Anaerobic dynamic membrane bioreactor (AnDMBR) for wastewater treatment: A review. <i>Bioresource Technology</i> , 2018, 247, 1107-1118.	4.8	108
18	Bioassay based luminescent bacteria: Interferences, improvements, and applications. <i>Science of the Total Environment</i> , 2014, 468-469, 1-11.	3.9	107

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19	Effects of rhamnolipid and Tween-80 on cellulase activities and metabolic functions of the bacterial community during chicken manure composting. <i>Bioresource Technology</i> , 2019, 288, 121507.	4.8	107
20	Highly selective conversion of glucose into furfural over modified zeolites. <i>Chemical Engineering Journal</i> , 2017, 307, 868-876.	6.6	102
21	UASB performance and electron competition between methane-producing archaea and sulfate-reducing bacteria in treating sulfate-rich wastewater containing ethanol and acetate. <i>Bioresource Technology</i> , 2013, 137, 349-357.	4.8	97
22	Furfural production from biomass-derived carbohydrates and lignocellulosic residues via heterogeneous acid catalysts. <i>Industrial Crops and Products</i> , 2017, 98, 68-75.	2.5	94
23	Arsenic(III) oxidation/adsorption behaviors on a new bimetal adsorbent of Mn-oxide-doped Al oxide. <i>Chemical Engineering Journal</i> , 2012, 192, 343-349.	6.6	92
24	Redox-based electron exchange capacity of biowaste-derived biochar accelerates syntrophic phenol oxidation for methanogenesis via direct interspecies electron transfer. <i>Journal of Hazardous Materials</i> , 2020, 390, 121726.	6.5	91
25	Towards stable operation of a dynamic membrane bioreactor (DMBR): Operational process, behavior and retention effect of dynamic membrane. <i>Journal of Membrane Science</i> , 2016, 498, 20-29.	4.1	86
26	Kinetic characterization of thermophilic and mesophilic anaerobic digestion for coffee grounds and waste activated sludge. <i>Waste Management</i> , 2015, 36, 77-85.	3.7	85
27	Effects of loading rate and temperature on anaerobic co-digestion of food waste and waste activated sludge in a high frequency feeding system, looking in particular at stability and efficiency. <i>Bioresource Technology</i> , 2017, 237, 231-239.	4.8	84
28	Mechanisms of ultraviolet disinfection and chlorination of <i>Escherichia coli</i> : Culturability, membrane permeability, metabolism, and genetic damage. <i>Journal of Environmental Sciences</i> , 2018, 65, 356-366.	3.2	82
29	Research progress and prospects for using biochar to mitigate greenhouse gas emissions during composting: A review. <i>Science of the Total Environment</i> , 2021, 798, 149294.	3.9	82
30	Disability adjusted life year (DALY): A useful tool for quantitative assessment of environmental pollution. <i>Science of the Total Environment</i> , 2015, 511, 268-287.	3.9	81
31	Nutrients removal performance and sludge properties using anaerobic fermentation slurry from food waste as an external carbon source for wastewater treatment. <i>Bioresource Technology</i> , 2019, 271, 125-135.	4.8	79
32	Performance of a hybrid membrane bioreactor in municipal wastewater treatment. <i>Desalination</i> , 2010, 258, 143-147.	4.0	77
33	Selective binding behavior of humic acid removal by aluminum coagulation. <i>Environmental Pollution</i> , 2018, 233, 290-298.	3.7	73
34	Synergistic effects of various in situ hydrolyzed aluminum species for the removal of humic acid. <i>Water Research</i> , 2019, 148, 106-114.	5.3	70
35	Effects of annual harvesting on plants growth and nutrients removal in surface-flow constructed wetlands in northwestern China. <i>Ecological Engineering</i> , 2015, 83, 268-275.	1.6	68
36	Sawdust-Derived Biochar Much Mitigates VFAs Accumulation and Improves Microbial Activities To Enhance Methane Production in Thermophilic Anaerobic Digestion. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2141-2150.	3.2	67

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37	Sulfate addition as an effective method to improve methane fermentation performance and propionate degradation in thermophilic anaerobic co-digestion of coffee grounds, milk and waste activated sludge with AnMBR. <i>Bioresource Technology</i> , 2015, 185, 308-315.	4.8	66
38	Elimination of viruses from domestic wastewater: requirements and technologies. <i>World Journal of Microbiology and Biotechnology</i> , 2016, 32, 69.	1.7	66
39	Co-Variation between Distribution of Microbial Communities and Biological Metabolization of Organics in Urban Sewer Systems. <i>Environmental Science & Technology</i> , 2018, 52, 1270-1279.	4.6	66
40	Micropollutants removal and health risk reduction in a water reclamation and ecological reuse system. <i>Water Research</i> , 2018, 138, 272-281.	5.3	66
41	Redox-active biochar facilitates potential electron transfer between syntrophic partners to enhance anaerobic digestion under high organic loading rate. <i>Bioresource Technology</i> , 2020, 298, 122524.	4.8	66
42	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.	3.9	63
43	Physicochemical conditions and properties of particles in urban runoff and rivers: Implications for runoff pollution. <i>Chemosphere</i> , 2017, 173, 318-325.	4.2	62
44	Camellia oleifera shell as an alternative feedstock for furfural production using a high surface acidity solid acid catalyst. <i>Bioresource Technology</i> , 2018, 249, 536-541.	4.8	62
45	Impacts of different biochar types on hydrogen production promotion during fermentative co-digestion of food wastes and dewatered sewage sludge. <i>Waste Management</i> , 2018, 80, 73-80.	3.7	60
46	Nitrogen removal enhancement using lactic acid fermentation products from food waste as external carbon sources: Performance and microbial communities. <i>Bioresource Technology</i> , 2018, 256, 259-268.	4.8	59
47	Persistent action of cow rumen microorganisms in enhancing biodegradation of wheat straw by rumen fermentation. <i>Science of the Total Environment</i> , 2020, 715, 136529.	3.9	57
48	Bioretention cell incorporating Fe-biochar and saturated zones for enhanced stormwater runoff treatment. <i>Chemosphere</i> , 2019, 237, 124424.	4.2	55
49	Variations in toxicity of semi-coking wastewater treatment processes and their toxicity prediction. <i>Ecotoxicology and Environmental Safety</i> , 2017, 138, 163-169.	2.9	54
50	A new model framework for sponge city implementation: Emerging challenges and future developments. <i>Journal of Environmental Management</i> , 2020, 253, 109689.	3.8	54
51	Applying fermentation liquid of food waste as carbon source to a pilot-scale anoxic/oxic-membrane bioreactor for enhancing nitrogen removal: Microbial communities and membrane fouling behaviour. <i>Bioresource Technology</i> , 2017, 236, 164-173.	4.8	53
52	Enhanced WWTP effluent organic matter removal in hybrid ozonation-coagulation (HOC) process catalyzed by Al-based coagulant. <i>Journal of Hazardous Materials</i> , 2017, 327, 216-224.	6.5	53
53	A novel index of total oxygen demand for the comprehensive evaluation of energy consumption for urban wastewater treatment. <i>Applied Energy</i> , 2019, 236, 253-261.	5.1	53
54	Biochar and GAC intensify anaerobic phenol degradation via distinctive adsorption and conductive properties. <i>Journal of Hazardous Materials</i> , 2021, 405, 124183.	6.5	53

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55	Well-defined strategy for development of adsorbent using metal organic frameworks (MOF) template for high performance removal of hexavalent chromium. <i>Applied Surface Science</i> , 2018, 457, 1208-1217.	3.1	52
56	Cow manure as additive to a DMBR for stable and high-rate digestion of food waste: Performance and microbial community. <i>Water Research</i> , 2020, 168, 115099.	5.3	51
57	New insight into fouling behavior and foulants accumulation property of cake sludge in a full-scale membrane bioreactor. <i>Journal of Membrane Science</i> , 2016, 510, 10-17.	4.1	50
58	Revisiting the effects of powdered activated carbon on membrane fouling mitigation in an anaerobic membrane bioreactor by evaluating long-term impacts on the surface layer. <i>Water Research</i> , 2019, 167, 115137.	5.3	50
59	Regulation of aerobic granular sludge reformulation after granular sludge broken: Effect of poly aluminum chloride (PAC). <i>Bioresource Technology</i> , 2014, 158, 201-208.	4.8	49
60	Evaluation of ecotoxicological effects of benzophenone UV filters: Luminescent bacteria toxicity, genotoxicity and hormonal activity. <i>Ecotoxicology and Environmental Safety</i> , 2017, 142, 338-347.	2.9	48
61	Psychrophilic anaerobic dynamic membrane bioreactor for domestic wastewater treatment: Effects of organic loading and sludge recycling. <i>Bioresource Technology</i> , 2018, 270, 62-69.	4.8	48
62	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, 134-141.	4.8	47
63	Poly aluminum chloride (PAC) enhanced formation of aerobic granules: Coupling process between physicochemical and biochemical effects. <i>Chemical Engineering Journal</i> , 2016, 284, 1127-1135.	6.6	47
64	Validity and utility of ecological footprint accounting: A state-of-the-art review. <i>Sustainable Cities and Society</i> , 2017, 32, 411-416.	5.1	47
65	Biochar addition supports high digestion performance and low membrane fouling rate in an anaerobic membrane bioreactor under low temperatures. <i>Bioresource Technology</i> , 2021, 330, 124966.	4.8	47
66	Effects of powdered activated carbon addition on filtration performance and dynamic membrane layer properties in a hybrid DMBR process. <i>Chemical Engineering Journal</i> , 2017, 327, 39-50.	6.6	46
67	Study of the variation of ecotoxicity at different stages of domestic wastewater treatment using <i>Vibrio-qinghaiensis</i> sp.-Q67. <i>Journal of Hazardous Materials</i> , 2011, 190, 100-105.	6.5	45
68	Characterization of microflora and transformation of organic matters in urban sewer system. <i>Water Research</i> , 2015, 84, 112-119.	5.3	44
69	Dynamic membrane-assisted fermentation of food wastes for enhancing lactic acid production. <i>Bioresource Technology</i> , 2017, 234, 40-47.	4.8	44
70	Preferential binding properties of carboxyl and hydroxyl groups with aluminium salts for humic acid removal. <i>Chemosphere</i> , 2019, 234, 478-487.	4.2	44
71	Characteristics of an A2O-MBR system for reclaimed water production under constant flux at low TMP. <i>Journal of Membrane Science</i> , 2013, 431, 156-162.	4.1	43
72	Role of extracellular polymeric substances on nutrients storage and transfer in algal-bacteria symbiosis sludge system treating wastewater. <i>Bioresource Technology</i> , 2021, 331, 125010.	4.8	43

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73	Source identification of bacterial and viral pathogens and their survival/fading in the process of wastewater treatment, reclamation, and environmental reuse. <i>World Journal of Microbiology and Biotechnology</i> , 2015, 31, 109-120.	1.7	42
74	Hydrogen production from acidogenic food waste fermentation using untreated inoculum: Effect of substrate concentrations. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 27272-27284.	3.8	41
75	Significance of B-site cobalt on bisphenol A degradation by MOFs-templated CoFe_3O_4 catalysts and its severe attenuation by excessive cobalt-rich phase. <i>Chemical Engineering Journal</i> , 2019, 359, 552-563.	6.6	41
76	Integrating stereo-elastic packing into ecological floating bed for enhanced denitrification in landscape water. <i>Bioresource Technology</i> , 2020, 299, 122601.	4.8	41
77	Insight into the risk of replenishing urban landscape ponds with reclaimed wastewater. <i>Journal of Hazardous Materials</i> , 2017, 324, 573-582.	6.5	39
78	Two-dimensional correlation spectroscopic analysis on the interaction between humic acids and aluminum coagulant. <i>Journal of Environmental Sciences</i> , 2018, 64, 181-189.	3.2	39
79	Removal of trace organic pollutants (pharmaceuticals and pesticides) and reduction of biological effects from secondary effluent by typical granular activated carbon. <i>Science of the Total Environment</i> , 2020, 749, 141611.	3.9	39
80	Study on the process of aerobic granule sludge rapid formation by using the poly aluminum chloride (PAC). <i>Chemical Engineering Journal</i> , 2014, 250, 319-325.	6.6	38
81	Assessment of multiple hormone activities of a UV-filter (octocrylene) in zebrafish (<i>Danio rerio</i>). <i>Chemosphere</i> , 2016, 159, 433-441.	4.2	38
82	Molecular characterization of long-term impacts of macrophytes harvest management in constructed wetlands. <i>Bioresource Technology</i> , 2018, 268, 514-522.	4.8	38
83	The treatability of trace organic pollutants in WWTP effluent and associated biotoxicity reduction by advanced treatment processes for effluent quality improvement. <i>Water Research</i> , 2019, 159, 423-433.	5.3	38
84	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.	4.8	38
85	Symbiosis of sulfate-reducing bacteria and methanogenic archaea in sewer systems. <i>Environment International</i> , 2020, 143, 105923.	4.8	38
86	Characterization and biogeochemical implications of dissolved organic matter in aquatic environments. <i>Journal of Environmental Management</i> , 2021, 294, 113041.	3.8	38
87	Calcium ions-effect on performance, growth and extracellular nature of microalgal-bacterial symbiosis system treating wastewater. <i>Environmental Research</i> , 2022, 207, 112228.	3.7	38
88	Phosphate recovery through adsorption assisted precipitation using novel precipitation material developed from building waste: Behavior and mechanism. <i>Chemical Engineering Journal</i> , 2016, 292, 246-254.	6.6	37
89	Functions of slags and gravels as substrates in large-scale demonstration constructed wetland systems for polluted river water treatment. <i>Environmental Science and Pollution Research</i> , 2015, 22, 12982-12991.	2.7	36
90	Bamboo charcoal enhances cellulase and urease activities during chicken manure composting: Roles of the bacterial community and metabolic functions. <i>Journal of Environmental Sciences</i> , 2021, 108, 84-95.	3.2	36

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91	Functional evaluation of pollutant transformation in sediment from combined sewer system. <i>Environmental Pollution</i> , 2018, 238, 85-93.	3.7	35
92	Pollutant exchange between sewage and sediment in urban sewer systems. <i>Chemical Engineering Journal</i> , 2018, 351, 240-247.	6.6	35
93	Characteristics of external carbon uptake by microalgae growth and associated effects on algal biomass composition. <i>Bioresource Technology</i> , 2019, 292, 121887.	4.8	34
94	Applying a dynamic membrane filtration (DMF) process for domestic wastewater preconcentration: Organics recovery and bioenergy production potential analysis. <i>Science of the Total Environment</i> , 2019, 680, 35-43.	3.9	34
95	Factors effecting aluminum speciation in drinking water by laboratory research. <i>Journal of Environmental Sciences</i> , 2010, 22, 47-55.	3.2	33
96	Effects of fulvic acid and humic acid on aluminum speciation in drinking water. <i>Journal of Environmental Sciences</i> , 2010, 22, 211-217.	3.2	33
97	Characterization of a hybrid powdered activated carbon-dynamic membrane bioreactor (PAC-DMBR) process with high flux by gravity flow: Operational performance and sludge properties. <i>Bioresource Technology</i> , 2017, 223, 65-73.	4.8	33
98	A review on facilitating bio-wastes degradation and energy recovery efficiencies in anaerobic digestion systems with biochar amendment. <i>Bioresource Technology</i> , 2020, 314, 123777.	4.8	33
99	Stable and high-rate anaerobic co-digestion of food waste and cow manure: Optimisation of start-up conditions. <i>Bioresource Technology</i> , 2020, 307, 123195.	4.8	33
100	Effects of UV radiation on humic acid coagulation characteristics in drinking water treatment processes. <i>Chemical Engineering Journal</i> , 2014, 256, 137-143.	6.6	31
101	Function of a landscape lake in the reduction of biotoxicity related to trace organic chemicals from reclaimed water. <i>Journal of Hazardous Materials</i> , 2016, 318, 663-670.	6.5	31
102	Laboratory study on the adsorption of Mn ²⁺ on suspended and deposited amorphous Al(OH) ₃ in drinking water distribution systems. <i>Water Research</i> , 2012, 46, 4063-4070.	5.3	30
103	Hybrid constructed wetlands for highly polluted river water treatment and comparison of surface- and subsurface-flow cells. <i>Journal of Environmental Sciences</i> , 2014, 26, 749-756.	3.2	30
104	A novel index for assessing the water quality of urban landscape lakes based on water transparency. <i>Science of the Total Environment</i> , 2020, 735, 139351.	3.9	30
105	Replenishment of landscape water with reclaimed water: Optimization of supply scheme using transparency as an indicator. <i>Ecological Indicators</i> , 2018, 88, 503-511.	2.6	29
106	Bioaerosol in a typical municipal wastewater treatment plant: concentration, size distribution, and health risk assessment. <i>Water Science and Technology</i> , 2020, 82, 1547-1559.	1.2	29
107	Zero-valent iron enhanced anaerobic digestion of pre-concentrated domestic wastewater for bioenergy recovery: Characteristics and mechanisms. <i>Bioresource Technology</i> , 2020, 310, 123441.	4.8	29
108	Solid-state synthesis of cobalt ferrite fitted with ¹³ -Fe ₂ O ₃ -containing nanocage for peroxydisulfate activation and cobalt leaching control. <i>Chemical Engineering Journal</i> , 2021, 405, 126994.	6.6	29

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109	Mechanism of the hybrid ozonation-coagulation (HOC) process: Comparison of preformed Al13 polymer and in situ formed Al species. <i>Chemosphere</i> , 2019, 229, 262-272.	4.2	28
110	Towards a comparison between the hybrid ozonation-coagulation (HOC) process using Al- and Fe-based coagulants: Performance and mechanism. <i>Chemosphere</i> , 2020, 253, 126625.	4.2	28
111	Degradation of typical antibiotics during human feces aerobic composting under different temperatures. <i>Environmental Science and Pollution Research</i> , 2016, 23, 15076-15087.	2.7	27
112	Effects of additional fermented food wastes on nitrogen removal enhancement and sludge characteristics in a sequential batch reactor for wastewater treatment. <i>Environmental Science and Pollution Research</i> , 2016, 23, 12890-12899.	2.7	27
113	Characterization and evolution of antibiotic resistance of Salmonella in municipal wastewater treatment plants. <i>Journal of Environmental Management</i> , 2019, 251, 109547.	3.8	27
114	Current status and characteristics of urban landscape lakes in China. <i>Science of the Total Environment</i> , 2020, 712, 135669.	3.9	27
115	The role of synergistic effects between ozone and coagulants (SOC) in the electro-hybrid ozonation-coagulation process. <i>Water Research</i> , 2020, 177, 115800.	5.3	27
116	Insight into nitrogen and phosphorus coupling effects on mixotrophic <i>Chlorella vulgaris</i> growth under stably controlled nutrient conditions. <i>Science of the Total Environment</i> , 2021, 752, 141747.	3.9	27
117	Dynamic membrane bioreactor performance enhancement by powdered activated carbon addition: Evaluation of sludge morphological, aggregative and microbial properties. <i>Journal of Environmental Sciences</i> , 2019, 75, 73-83.	3.2	26
118	Characterization of dissolved organic matter and carbon release from wetland plants for enhanced nitrogen removal in constructed wetlands for low C&N wastewater treatment. <i>Chemosphere</i> , 2021, 273, 129630.	4.2	26
119	Responses of microbial capacity and community on the performance of mesophilic co-digestion of food waste and waste activated sludge in a high-frequency feeding CSTR. <i>Bioresource Technology</i> , 2018, 260, 85-94.	4.8	25
120	On the risks from sediment and overlying water by replenishing urban landscape ponds with reclaimed wastewater. <i>Environmental Pollution</i> , 2018, 236, 488-497.	3.7	25
121	Characterization of microbial evolution in high-solids methanogenic co-digestion of canned coffee processing wastewater and waste activated sludge by an anaerobic membrane bioreactor. <i>Journal of Cleaner Production</i> , 2019, 232, 1442-1451.	4.6	25
122	Mechanism of microbial metabolic responses and ecological system conversion under different nitrogen conditions in sewers. <i>Water Research</i> , 2020, 186, 116312.	5.3	25
123	Effects of plants competition on critical bacteria selection and pollutants dynamics in a long-term polyculture constructed wetland. <i>Bioresource Technology</i> , 2020, 316, 123927.	4.8	25
124	Microbial community and carbon&nitrogen metabolism pathways in integrated vertical flow constructed wetlands treating wastewater containing antibiotics. <i>Bioresource Technology</i> , 2022, 354, 127217.	4.8	25
125	Granulation of filamentous microorganisms in a sequencing batch reactor with saline wastewater. <i>Journal of Environmental Sciences</i> , 2010, 22, 62-67.	3.2	24
126	Effects of advanced oxidation pretreatment on residual aluminum control in high humic acid water purification. <i>Journal of Environmental Sciences</i> , 2011, 23, 1079-1085.	3.2	24

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127	Characteristics of simultaneous ammonium and phosphate adsorption from hydrolysis urine onto natural loess. <i>Environmental Science and Pollution Research</i> , 2016, 23, 2628-2639.	2.7	24
128	Roles of nxrA-like oxidizers and nirS-like reducers in nitrite conversion during swine manure composting. <i>Bioresource Technology</i> , 2020, 297, 122426.	4.8	24
129	Zero-valent iron addition in anaerobic dynamic membrane bioreactors for pre-concentrated wastewater treatment: Performance and impact. <i>Science of the Total Environment</i> , 2020, 742, 140687.	3.9	24
130	Cosubstrate strategy for enhancing lignocellulose degradation during rumen fermentation in vitro: Characteristics and microorganism composition. <i>Chemosphere</i> , 2020, 250, 126104.	4.2	24
131	Synthesis of Bi ₄ Si ₃ O ₁₂ powders by a sol-gel method. <i>Materials Chemistry and Physics</i> , 2012, 133, 1003-1005.	2.0	23
132	Microwave dielectric properties of Pb ₂ MoO ₅ ceramic with ultra-low sintering temperature. <i>Journal of the European Ceramic Society</i> , 2014, 34, 4089-4093.	2.8	22
133	A new activated primary tank developed for recovering carbon source and its application. <i>Bioresource Technology</i> , 2016, 200, 722-730.	4.8	22
134	Relationship between phytoplankton community and environmental factors in landscape water with high salinity in a coastal city of China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 28460-28470.	2.7	22
135	Enhanced methane production coupled with livestock wastewater treatment using anaerobic membrane bioreactor: Performance and membrane filtration properties. <i>Bioresource Technology</i> , 2022, 345, 126470.	4.8	22
136	Membrane Fouling Control of Hybrid Membrane Bioreactor: Effect of Extracellular Polymeric Substances. <i>Separation Science and Technology</i> , 2010, 45, 928-934.	1.3	21
137	Adsorption of a typical polycyclic aromatic hydrocarbon by humic substances in water and the effect of coexisting metal ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 379, 93-101.	2.3	21
138	Occurrence of Hand-Foot-and-Mouth Disease Pathogens in Domestic Sewage and Secondary Effluent in Xi'an, China. <i>Microbes and Environments</i> , 2012, 27, 288-292.	0.7	21
139	Phosphate adsorption performance of a novel filter substrate made from drinking water treatment residuals. <i>Journal of Environmental Sciences</i> , 2016, 45, 191-199.	3.2	21
140	Application of a hybrid gravity-driven membrane filtration and dissolved ozone flotation (MDOF) process for wastewater reclamation and membrane fouling mitigation. <i>Journal of Environmental Sciences</i> , 2019, 81, 17-27.	3.2	21
141	Effects of long-term acclimatization on the optimum substrate mixture ratio and substrate to inoculum ratio in anaerobic codigestion of food waste and cow manure. <i>Bioresource Technology</i> , 2020, 317, 123994.	4.8	21
142	Phytoremediation mechanisms and plant eco-physiological response to microorganic contaminants in integrated vertical-flow constructed wetlands. <i>Journal of Hazardous Materials</i> , 2022, 424, 127611.	6.5	21
143	Effect of additional food waste slurry generated by mesophilic acidogenic fermentation on nutrient removal and sludge properties during wastewater treatment. <i>Bioresource Technology</i> , 2019, 294, 122218.	4.8	20
144	A comparative study of artificial cow and sheep rumen fermentation of corn straw and food waste: Batch and continuous operation. <i>Science of the Total Environment</i> , 2020, 745, 140731.	3.9	20

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145	Partial-nitritation of low-strength anaerobic effluent: A moderate-high dissolved oxygen concentration facilitates ammonia-oxidizing bacteria disinhibition and nitrite-oxidizing bacteria suppression. <i>Science of the Total Environment</i> , 2021, 770, 145337.	3.9	20
146	Gravity-driven high flux filtration behavior and microbial community of an integrated granular activated carbon and dynamic membrane bioreactor for domestic wastewater treatment. <i>Science of the Total Environment</i> , 2022, 825, 153930.	3.9	20
147	Performance of a pilot demonstration-scale hybrid constructed wetland system for on-site treatment of polluted urban river water in Northwestern China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 447-454.	2.7	19
148	Competitive adsorption behaviors of arsenite and fluoride onto manganese-aluminum binary adsorbents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 529, 185-194.	2.3	19
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