

Xiaochang C Wang

List of Publications by Citations

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243
papers

7,993
citations

41
h-index

81
g-index

251
ext. papers

10,005
ext. citations

8.6
avg, IF

6.6
L-index

#	Paper	IF	Citations
243	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
242	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	4.8	187
241	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	14.7	177
240	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	11	159
239	Implementation of a specific urban water management - Sponge City. <i>Science of the Total Environment</i> , 2019 , 652, 147-162	10.2	138
238	Lactic acid fermentation from food waste with indigenous microbiota: Effects of pH, temperature and high OLR. <i>Waste Management</i> , 2016 , 52, 278-85	8.6	133
237	Effect of fermentation liquid from food waste as a carbon source for enhancing denitrification in wastewater treatment. <i>Chemosphere</i> , 2016 , 144, 689-96	8.4	102
236	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	11	102
235	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	12.5	98
234	Characterization of a multi-metal binding biosorbent: Chemical modification and desorption studies. <i>Bioresource Technology</i> , 2015 , 193, 477-87	11	89
233	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	11	89
232	Efficient catalytic system for the direct transformation of lignocellulosic biomass to furfural and 5-hydroxymethylfurfural. <i>Bioresource Technology</i> , 2017 , 224, 656-661	11	88
231	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	11	86
230	Bioassay based luminescent bacteria: interferences, improvements, and applications. <i>Science of the Total Environment</i> , 2014 , 468-469, 1-11	10.2	84
229	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
228	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, 349-57	11	82
227	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	14.7	80

226	Anaerobic dynamic membrane bioreactor (AnDMBR) for wastewater treatment: A review. <i>Bioresource Technology</i> , 2018 , 247, 1107-1118	11	79
225	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	14.7	79
224	Furfural production from biomass-derived carbohydrates and lignocellulosic residues via heterogeneous acid catalysts. <i>Industrial Crops and Products</i> , 2017 , 98, 68-75	5.9	77
223	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	14.7	73
222	Kinetic characterization of thermophilic and mesophilic anaerobic digestion for coffee grounds and waste activated sludge. <i>Waste Management</i> , 2015 , 36, 77-85	8.6	70
221	Performance of a hybrid membrane bioreactor in municipal wastewater treatment. <i>Desalination</i> , 2010 , 258, 143-147	10.3	69
220	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	9.6	65
219	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	11	64
218	Highly selective conversion of glucose into furfural over modified zeolites. <i>Chemical Engineering Journal</i> , 2017 , 307, 868-876	14.7	63
217	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	11	58
216	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, 308-15	11	56
215	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	3.9	54
214	Mechanisms of ultraviolet disinfection and chlorination of Escherichia coli: Culturability, membrane permeability, metabolism, and genetic damage. <i>Journal of Environmental Sciences</i> , 2018 , 65, 356-366	6.4	51
213	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
212	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
211	Selective binding behavior of humic acid removal by aluminum coagulation. <i>Environmental Pollution</i> , 2018 , 233, 290-298	9.3	47
210	Micropollutants removal and health risk reduction in a water reclamation and ecological reuse system. <i>Water Research</i> , 2018 , 138, 272-281	12.5	45
209	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	12.8	45

208	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	11	45
207	Physicochemical conditions and properties of particles in urban runoff and rivers: Implications for runoff pollution. <i>Chemosphere</i> , 2017 , 173, 318-325	8.4	44
206	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	11	43
205	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	11	42
204	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, 100-5	12.8	42
203	Elimination of viruses from domestic wastewater: requirements and technologies. <i>World Journal of Microbiology and Biotechnology</i> , 2016 , 32, 69	4.4	41
202	Bioretention cell incorporating Fe-biochar and saturated zones for enhanced stormwater runoff treatment. <i>Chemosphere</i> , 2019 , 237, 124424	8.4	41
201	Regulation of aerobic granular sludge reformulation after granular sludge broken: effect of poly aluminum chloride (PAC). <i>Bioresource Technology</i> , 2014 , 158, 201-8	11	41
200	Variations in toxicity of semi-coking wastewater treatment processes and their toxicity prediction. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 138, 163-169	7	40
199	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
198	Characteristics of an A2OMBR system for reclaimed water production under constant flux at low TMP. <i>Journal of Membrane Science</i> , 2013 , 431, 156-162	9.6	40
197	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	8.3	40
196	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	14.7	39
195	Poly aluminum chloride (PAC) enhanced formation of aerobic granules: Coupling process between physicochemical/Biochemical effects. <i>Chemical Engineering Journal</i> , 2016 , 284, 1127-1135	14.7	38
194	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	11	38
193	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	10.3	38
192	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	9.6	37
191	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	11	37

190	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	8.6	35
189	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	6.7	34
188	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, 109-20	4.4	34
187	Psychrophilic anaerobic dynamic membrane bioreactor for domestic wastewater treatment: Effects of organic loading and sludge recycling. <i>Bioresource Technology</i> , 2018 , 270, 62-69	11	34
186	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	12.8	33
185	Synergistic effects of various in situ hydrolyzed aluminum species for the removal of humic acid. <i>Water Research</i> , 2019 , 148, 106-114	12.5	33
184	Dynamic membrane-assisted fermentation of food wastes for enhancing lactic acid production. <i>Bioresource Technology</i> , 2017 , 234, 40-47	11	32
183	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	14.7	32
182	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
181	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	14.7	31
180	Assessment of multiple hormone activities of a UV-filter (octocrylene) in zebrafish (<i>Danio rerio</i>). <i>Chemosphere</i> , 2016 , 159, 433-441	8.4	31
179	Validity and utility of ecological footprint accounting: A state-of-the-art review. <i>Sustainable Cities and Society</i> , 2017 , 32, 411-416	10.1	28
178	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	7	27
177	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	12.5	27
176	Characterization of microflora and transformation of organic matters in urban sewer system. <i>Water Research</i> , 2015 , 84, 112-9	12.5	27
175	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, 12982-91	5.1	27
174	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	12.5	27
173	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, 749-56	6.4	26

172	Insight into the risk of replenishing urban landscape ponds with reclaimed wastewater. <i>Journal of Hazardous Materials</i> , 2017 , 324, 573-582	12.8	25
171	Effects of UV radiation on humic acid coagulation characteristics in drinking water treatment processes. <i>Chemical Engineering Journal</i> , 2014 , 256, 137-143	14.7	25
170	Factors effecting aluminum speciation in drinking water by laboratory research. <i>Journal of Environmental Sciences</i> , 2010 , 22, 47-55	6.4	25
169	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	10.7	25
168	The treatability of trace organic pollutants in WWTP effluent and associated biotoxicity reduction by advanced treatment processes for effluent quality improvement. <i>Water Research</i> , 2019 , 159, 423-433	12.5	24
167	Molecular characterization of long-term impacts of macrophytes harvest management in constructed wetlands. <i>Bioresource Technology</i> , 2018 , 268, 514-522	11	24
166	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	11	24
165	Effects of fulvic acid and humic acid on aluminum speciation in drinking water. <i>Journal of Environmental Sciences</i> , 2010 , 22, 211-7	6.4	24
164	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	14.7	24
163	Laboratory study on the adsorption of $\text{Mn}(2+)$ on suspended and deposited amorphous $\text{Al}(\text{OH})(3)$ in drinking water distribution systems. <i>Water Research</i> , 2012 , 46, 4063-70	12.5	23
162	Preferential binding properties of carboxyl and hydroxyl groups with aluminium salts for humic acid removal. <i>Chemosphere</i> , 2019 , 234, 478-487	8.4	21
161	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, 12890-9	5.1	21
160	Synthesis of $\text{Bi}_4\text{Si}_3\text{O}_{12}$ powders by a sol-gel method. <i>Materials Chemistry and Physics</i> , 2012 , 133, 1003-1005	4.4	21
159	Effects of advanced oxidation pretreatment on residual aluminum control in high humic acid water purification. <i>Journal of Environmental Sciences</i> , 2011 , 23, 1079-85	6.4	21
158	Integrating stereo-elastic packing into ecological floating bed for enhanced denitrification in landscape water. <i>Bioresource Technology</i> , 2020 , 299, 122601	11	21
157	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	10.2	20
156	Functional evaluation of pollutant transformation in sediment from combined sewer system. <i>Environmental Pollution</i> , 2018 , 238, 85-93	9.3	20
155	Two-dimensional correlation spectroscopic analysis on the interaction between humic acids and aluminum coagulant. <i>Journal of Environmental Sciences</i> , 2018 , 64, 181-189	6.4	20

154	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	12.8	20
153	Degradation of typical antibiotics during human feces aerobic composting under different temperatures. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 15076-87	5.1	20
152	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	6.7	20
151	Characterization and evolution of antibiotic resistance of Salmonella in municipal wastewater treatment plants. <i>Journal of Environmental Management</i> , 2019 , 251, 109547	7.9	19
150	Characteristics of external carbon uptake by microalgae growth and associated effects on algal biomass composition. <i>Bioresource Technology</i> , 2019 , 292, 121887	11	19
149	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	10.2	19
148	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	11	19
147	Characteristics of simultaneous ammonium and phosphate adsorption from hydrolysis urine onto natural loess. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 2628-39	5.1	19
146	Pollutant exchange between sewage and sediment in urban sewer systems. <i>Chemical Engineering Journal</i> , 2018 , 351, 240-247	14.7	19
145	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	10.2	19
144	A review on facilitating bio-wastes degradation and energy recovery efficiencies in anaerobic digestion systems with biochar amendment. <i>Bioresource Technology</i> , 2020 , 314, 123777	11	18
143	Replenishment of landscape water with reclaimed water: Optimization of supply scheme using transparency as an indicator. <i>Ecological Indicators</i> , 2018 , 88, 503-511	5.8	18
142	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	6	18
141	Granulation of filamentous microorganisms in a sequencing batch reactor with saline wastewater. <i>Journal of Environmental Sciences</i> , 2010 , 22, 62-7	6.4	18
140	Biochar and GAC intensify anaerobic phenol degradation via distinctive adsorption and conductive properties. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124183	12.8	18
139	Zero-valent iron enhanced anaerobic digestion of pre-concentrated domestic wastewater for bioenergy recovery: Characteristics and mechanisms. <i>Bioresource Technology</i> , 2020 , 310, 123441	11	17
138	On the risks from sediment and overlying water by replenishing urban landscape ponds with reclaimed wastewater. <i>Environmental Pollution</i> , 2018 , 236, 488-497	9.3	17
137	Cytotoxicity and genotoxicity evaluation of urban surface waters using freshwater luminescent bacteria <i>Vibrio-qinghaiensis</i> sp.-Q67 and <i>Vicia faba</i> root tip. <i>Journal of Environmental Sciences</i> , 2012 , 24, 1861-6	6.4	17

136	Roles of nxrA-like oxidizers and nirS-like reducers in nitrite conversion during swine manure composting. <i>Bioresource Technology</i> , 2020 , 297, 122426	11	17
135	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	11	16
134	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	10.2	16
133	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	11	16
132	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	11	16
131	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, 447-54	5.1	15
130	Characteristics of nitrogen and phosphorus removal by a surface-flow constructed wetland for polluted river water treatment. <i>Water Science and Technology</i> , 2015 , 71, 904-12	2.2	15
129	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
128	The role of synergistic effects between ozone and coagulants (SOC) in the electro-hybrid ozonation-coagulation process. <i>Water Research</i> , 2020 , 177, 115800	12.5	15
127	Phosphate adsorption performance of a novel filter substrate made from drinking water treatment residuals. <i>Journal of Environmental Sciences</i> , 2016 , 45, 191-9	6.4	15
126	Characteristics of THMFP increase in secondary effluent and its potential toxicity. <i>Journal of Hazardous Materials</i> , 2013 , 261, 325-31	12.8	15
125	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, 288-92	2.6	15
124	Membrane Fouling Control of Hybrid Membrane Bioreactor: Effect of Extracellular Polymeric Substances. <i>Separation Science and Technology</i> , 2010 , 45, 928-934	2.5	15
123	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	5.1	14
122	Mechanism of the hybrid ozonation-coagulation (HOC) process: Comparison of preformed Al polymer and in situ formed Al species. <i>Chemosphere</i> , 2019 , 229, 262-272	8.4	14
121	Symbiosis of sulfate-reducing bacteria and methanogenic archaea in sewer systems. <i>Environment International</i> , 2020 , 143, 105923	12.9	14
120	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	10.3	13
119	A new step aeration approach towards the improvement of nitrogen removal in a full scale Carrousel oxidation ditch. <i>Bioresource Technology</i> , 2015 , 198, 23-30	11	13

118	Characteristics of concentration-inhibition curves of individual chemicals and applicability of the concentration addition model for mixture toxicity prediction. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 113, 176-82	7	13
117	Removal of arsenic(III,V) by a granular Mn-oxide-doped Al oxide adsorbent: surface characterization and performance. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 18505-18519	5.1	13
116	A new activated primary tank developed for recovering carbon source and its application. <i>Bioresource Technology</i> , 2016 , 200, 722-30	11	13
115	Nitrogen-retaining property of compost in an aerobic thermophilic composting reactor for the sanitary disposal of human feces. <i>Frontiers of Environmental Science and Engineering in China</i> , 2010 , 4, 228-234		13
114	Acclimatization of anaerobic sludge with cow manure and realization of high-rate food waste digestion for biogas production. <i>Bioresource Technology</i> , 2020 , 315, 123830	11	13
113	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	6.4	13
112	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	6.4	12
111	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	10.2	12
110	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	10.2	12
109	Tracking the reactivity of ozonation towards effluent organic matters from WWTP using two-dimensional correlation spectra. <i>Journal of Environmental Sciences</i> , 2019 , 76, 289-298	6.4	12
108	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	11	12
107	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
106	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	11	12
105	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	2.2	11
104	Cosubstrate strategy for enhancing lignocellulose degradation during rumen fermentation in vitro: Characteristics and microorganism composition. <i>Chemosphere</i> , 2020 , 250, 126104	8.4	11
103	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
102	A study on the effects of ozone dosage on dissolved-ozone flotation (DOF) process performance. <i>Water Science and Technology</i> , 2015 , 71, 1423-8	2.2	11
101	Transferral of HMs pollution from road-deposited sediments to stormwater runoff during transport processes. <i>Frontiers of Environmental Science and Engineering</i> , 2019 , 13, 1	5.8	11

100	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	10.2	11
99	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	6.4	11
98	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
97	Genetic characterization of fecal impacts of seagull migration on an urban scenery lake. <i>Water Research</i> , 2017 , 117, 27-36	12.5	10
96	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	8.4	10
95	Effects of sodium, magnesium, and calcium salts on the coagulation performance of cucurbit [8]uril for humic acid removal from synthetic seawater. <i>Desalination</i> , 2016 , 386, 77-83	10.3	10
94	Characteristics of a landscape water with high salinity in a coastal city of China and measures for eutrophication control. <i>Ecological Indicators</i> , 2016 , 61, 268-273	5.8	10
93	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 ¹⁰	5.1	10
92	Thermodynamic prediction and experimental investigation of short-term dynamic membrane formation in dynamic membrane bioreactors: Effects of sludge properties. <i>Journal of Environmental Sciences</i> , 2019 , 77, 85-96	6.4	10
91	An Improved Co-precipitation Method to Synthesize Three Bismuth Ferrites. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2014 , 44, 1363-1367		10
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