

Jian Zhang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2867001/jian-zhang-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

211
papers

10,193
citations

48
h-index

95
g-index

218
ext. papers

11,831
ext. citations

8.2
avg, IF

6.44
L-index

#	Paper	IF	Citations
211	Priming effects of root exudates on the source-sink stability of benzo[a]pyrene in wetlands: A microcosm experiment.. <i>Journal of Hazardous Materials</i> , 2022 , 429, 128364	12.8	1
210	Optimizing agricultural biomass application to enhance nitrogen removal in vertical flow constructed wetlands for treating low-carbon wastewater.. <i>Environmental Research</i> , 2022 , 209, 112867	7.9	0
209	The performance and mechanism of biochar-enhanced constructed wetland for wastewater treatment. <i>Journal of Water Process Engineering</i> , 2022 , 45, 102522	6.7	2
208	A novel plant-girdling study in constructed wetland microcosms: Insight into the role of plants in oxygen and greenhouse gas transport. <i>Chemical Engineering Journal</i> , 2022 , 431, 133911	14.7	2
207	Intensified interactions of triclosan and diclofenac mitigation and nitrogen removal in manganese oxide constructed wetlands. <i>Chemical Engineering Journal</i> , 2022 , 433, 134493	14.7	1
206	Micropollutant abatement by the UV/chloramine process in potable water reuse: A review. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127341	12.8	3
205	Enhanced removal of nutrients and diclofenac by birnessite sand vertical flow constructed wetlands. <i>Journal of Water Process Engineering</i> , 2022 , 46, 102656	6.7	1
204	New insight into ammonium oxidation processes and mechanisms mediated by manganese oxide in constructed wetlands.. <i>Water Research</i> , 2022 , 215, 118251	12.5	0
203	Simultaneously enhanced removal of PAHs and nitrogen driven by Fe/Fe cycle in constructed wetland through automatic tidal operation.. <i>Water Research</i> , 2022 , 215, 118232	12.5	0
202	Enhanced reduction of Cr(VI) in iron-carbon micro-electrolysis constructed wetlands: Mechanisms of iron cycle and microbial interactions. <i>Chemical Engineering Journal</i> , 2022 , 439, 135742	14.7	1
201	Is the role of aerobic methanotrophs underestimated in methane oxidation under hypoxic conditions?. <i>Science of the Total Environment</i> , 2022 , 155244	10.2	
200	Formation of phosphine and its effect on phosphorus retention in constructed wetlands: Characteristic and mechanism. <i>Environmental Technology and Innovation</i> , 2022 , 102653	7	0
199	Influence of iron species on the simultaneous nitrate and sulfate removal in constructed wetlands under low/high COD concentrations.. <i>Environmental Research</i> , 2022 , 212, 113453	7.9	0
198	Highly enhanced removal of nutrients and benzo[a]pyrene in a siphon constructed wetland with magnetite: Performance and mechanisms. <i>Chemical Engineering Journal</i> , 2022 , 136895	14.7	1
197	Effect of humic acid on phenanthrene removal by constructed wetlands using birnessite as a substrate. <i>RSC Advances</i> , 2022 , 12, 15231-15239	3.7	0
196	Novel magnetic coupling constructed wetland for nitrogen removal: Enhancing performance and responses of plants and microbial communities. <i>Science of the Total Environment</i> , 2021 , 152040	10.2	1
195	More is better? Constructed wetlands filled with different amount of Fe oxides showed opposite phosphorus removal performance. <i>Journal of Cleaner Production</i> , 2021 , 329, 129749	10.3	0

194	Can we use mine waste as substrate in constructed wetlands to intensify nutrient removal? A critical assessment of key removal mechanisms and long-term environmental risks.. <i>Water Research</i> , 2021 , 210, 118009	12.5	2
193	High-efficient nitrogen and phosphorus removal and its mechanism in a partially unsaturated constructed wetland with Fe-C micro-electrolysis substrate. <i>Chemical Engineering Journal</i> , 2021 , 431, 133252	14.7	2
192	Exploring simultaneous nitrous oxide and methane sink in wetland sediments under anoxic conditions. <i>Water Research</i> , 2021 , 194, 116958	12.5	9
191	Enhanced phosphorus removal of constructed wetland through plant growth-promoting rhizobacteria (PGPR) addition. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 52124-52132	5.1	3
190	Inorganic particle accumulation promotes nutrient removal of vertical flow constructed wetlands: Mechanisms and implications. <i>Science of the Total Environment</i> , 2021 , 778, 146203	10.2	2
189	Optimization of the pollutant removal in partially unsaturated constructed wetland by adding microfiber and solid carbon source based on oxygen and carbon regulation. <i>Science of the Total Environment</i> , 2021 , 752, 141919	10.2	6
188	Performance of a novel tidal unsaturated constructed wetland on wastewater purification. <i>Journal of Water Process Engineering</i> , 2021 , 39, 101871	6.7	
187	Simultaneous elimination of antibiotics resistance genes and dissolved organic matter in treatment wetlands: Characteristics and associated relationship. <i>Chemical Engineering Journal</i> , 2021 , 415, 128966	14.7	14
186	A review on the role of plant in pharmaceuticals and personal care products (PPCPs) removal in constructed wetlands. <i>Science of the Total Environment</i> , 2021 , 780, 146637	10.2	14
185	Application of constructed wetlands in the PAH remediation of surface water: A review. <i>Science of the Total Environment</i> , 2021 , 780, 146605	10.2	17
184	Comprehensive evaluation of manganese oxides and iron oxides as metal substrate materials for constructed wetlands from the perspective of water quality and greenhouse effect. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 221, 112451	7	6
183	Impacts of aeration and biochar on physiological characteristics of plants and microbial communities and metabolites in constructed wetland microcosms for treating swine wastewater. <i>Environmental Research</i> , 2021 , 200, 111415	7.9	5
182	New insights in correlating greenhouse gas emissions and microbial carbon and nitrogen transformations in wetland sediments based on genomic and functional analysis. <i>Journal of Environmental Management</i> , 2021 , 297, 113280	7.9	4
181	Remove of triclosan from aqueous solutions by nanoflower MnO ₂ : Insight into the mechanism of oxidation and adsorption. <i>Chemical Engineering Journal</i> , 2021 , 426, 131319	14.7	3
180	Stable and efficient sulfamethoxazole and phosphorus removal by an electrolysis-integrated bio-rack constructed wetland system. <i>Chemical Engineering Journal</i> , 2021 , 425, 130582	14.7	4
179	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
178	Adsorption of phenanthrene from aqueous solutions by biochar derived from an ammoniation-hydrothermal method. <i>Science of the Total Environment</i> , 2020 , 733, 139267	10.2	12
177	Intensified sulfamethoxazole removal in an electrolysis-integrated tidal flow constructed wetland system. <i>Chemical Engineering Journal</i> , 2020 , 390, 124545	14.7	15

176	High degree of contaminant removal and evolution of microbial community in different electrolysis-integrated constructed wetland systems. <i>Chemical Engineering Journal</i> , 2020 , 388, 124391	14.7	26
175	The Improvement of Pollutant Removal in the Ferric-Carbon Micro-Electrolysis Constructed Wetland by Partial Aeration. <i>Water (Switzerland)</i> , 2020 , 12, 389	3	7
174	Impact of COD/N on anammox granular sludge with different biological carriers. <i>Science of the Total Environment</i> , 2020 , 728, 138557	10.2	13
173	A novel tidal unsaturated constructed wetland for high-efficiency nitrogen removal of wastewater based on the oxygen regulation. <i>Bioresource Technology Reports</i> , 2020 , 10, 100410	4.1	3
172	Recent advances in biochar application for water and wastewater treatment: a review. <i>PeerJ</i> , 2020 , 8, e9164	3.1	16
171	Ammonia- and Methane-Oxidizing Bacteria: The Abundance, Niches and Compositional Differences for Diverse Soil Layers in Three Flooded Paddy Fields. <i>Sustainability</i> , 2020 , 12, 953	3.6	2
170	Removal pathways of benzofluoranthene in a constructed wetland amended with metallic ions embedded carbon. <i>Bioresource Technology</i> , 2020 , 311, 123481	11	16
169	Advanced oxygenation efficiency and purification of wastewater using a constant partially unsaturated scheme in column experiments simulating vertical subsurface flow constructed wetlands. <i>Science of the Total Environment</i> , 2020 , 703, 135480	10.2	7
168	New insights for enhancing the performance of constructed wetlands at low temperatures. <i>Bioresource Technology</i> , 2020 , 301, 122722	11	34
167	Effect of iron plaque on the root surface of hydrophyte on nitrogen and phosphorus transformation. <i>Bioresource Technology Reports</i> , 2020 , 12, 100566	4.1	1
166	Intensive removal of PAHs in constructed wetland filled with copper biochar. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 205, 111028	7	10
165	Recent advances in the enhanced nitrogen removal by oxygen-increasing technology in constructed wetlands. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 205, 111330	7	19
164	Detection of Hg(II) in adsorption experiment by a lateral flow biosensor based on streptavidin-biotinylated DNA probes modified gold nanoparticles and smartphone reader. <i>Environmental Pollution</i> , 2020 , 266, 115389	9.3	7
163	The configuration, purification effect and mechanism of intensified constructed wetland for wastewater treatment from the aspect of nitrogen removal: A review. <i>Bioresource Technology</i> , 2019 , 293, 122086	11	73
162	Roles of carbon source-derived extracellular polymeric substances in solids accumulation and nutrient removal in horizontal subsurface flow constructed wetlands. <i>Chemical Engineering Journal</i> , 2019 , 362, 702-711	14.7	11
161	Effect of oxygen supply strategy on nitrogen removal of biochar-based vertical subsurface flow constructed wetland: Intermittent aeration and tidal flow. <i>Chemosphere</i> , 2019 , 223, 366-374	8.4	44
160	Coupled methane and nitrous oxide biotransformation in freshwater wetland sediment microcosms. <i>Science of the Total Environment</i> , 2019 , 648, 916-922	10.2	12
159	Exploring the linkage between bacterial community composition and nitrous oxide emission under varied DO levels through the alternation of aeration rates in a lab-scale anoxic-oxic reactor. <i>Bioresource Technology</i> , 2019 , 291, 121809	11	15

158	Influence of application of manganese ore in constructed wetlands on the mechanisms and improvement of nitrogen and phosphorus removal. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 170, 446-452	7	38
157	A study of ferric-carbon micro-electrolysis process to enhance nitrogen and phosphorus removal efficiency in subsurface flow constructed wetlands. <i>Chemical Engineering Journal</i> , 2019 , 359, 706-712	14.7	56
156	Removal of Cd(II) and Ni(II) from aqueous solutions using activated carbon developed from powder-hydrolyzed-feathers and <i>Trapa natans</i> husks. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 560, 426-433	5.1	19
155	Removal of nitrogen from low pollution water by long-term operation of an integrated vertical-flow constructed wetland: Performance and mechanism. <i>Science of the Total Environment</i> , 2019 , 652, 977-988	10.2	29
154	Intensified nitrogen transformation in intermittently aerated constructed wetlands: Removal pathways and microbial response mechanism. <i>Science of the Total Environment</i> , 2019 , 650, 2880-2887	10.2	33
153	Enhanced nitrogen removal in biochar-added surface flow constructed wetlands: dealing with seasonal variation in the north China. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 3675-3684	5.1	16
152	Performance of constructed wetlands and associated mechanisms of PAHs removal with mussels. <i>Chemical Engineering Journal</i> , 2019 , 357, 280-287	14.7	16
151	Removal of Ni(II) from aqueous solutions using activated carbon with manganese formate hydrate in-situ modification. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 560, 84-91	5.1	11
150	Preparation and evaluation of wetland plant-based biochar for nitrogen removal enhancement in surface flow constructed wetlands. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 13929-13937	5.1	36
149	Response of greenhouse gas emissions and microbial community dynamics to temperature variation during partial nitrification. <i>Bioresource Technology</i> , 2018 , 261, 19-27	11	16
148	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
147	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
146	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
145	Tolerance and physiological responses of sweet flag (<i>Acorus calamus</i> L.) under nitrite stress during wastewater treatment. <i>Ecological Engineering</i> , 2018 , 122, 107-111	3.9	1
144	Effects of solids accumulation and plant root on water flow characteristics in horizontal subsurface flow constructed wetland. <i>Ecological Engineering</i> , 2018 , 120, 481-486	3.9	13
143	Removal of Chloramphenicol from Aqueous Solution Using Low-Cost Activated Carbon Prepared from <i>Typha orientalis</i> . <i>Water (Switzerland)</i> , 2018 , 10, 351	3	17
142	Intensified nutrients removal in constructed wetlands by integrated <i>Tubifex tubifex</i> and mussels: Performance and mechanisms. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 162, 446-453	7	10
141	Influence of Artificial Root Exudates on Triclosan Removal in Soil under Aerobic and Anaerobic Conditions. <i>Clean - Soil, Air, Water</i> , 2018 , 46, 1700623	1.6	3

140	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
139	Phosphorus removal enhancement of magnesium modified constructed wetland microcosm and its mechanism study. <i>Chemical Engineering Journal</i> , 2018 , 335, 209-214	14.7	51
138	In-situ modification of activated carbon with ethylenediaminetetraacetic acid disodium salt during phosphoric acid activation for enhancement of nickel removal. <i>Powder Technology</i> , 2018 , 325, 113-120	5.2	18
137	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
136	Microbial nitrogen removal of ammonia wastewater in poly (butylenes succinate)-based constructed wetland: effect of dissolved oxygen. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 9389-9398	5.7	15
135	Quantitative Detection of Clogging in Horizontal Subsurface Flow Constructed Wetland Using the Resistivity Method. <i>Water (Switzerland)</i> , 2018 , 10, 1334	3	5
134	Improvement of bioavailable carbon source and microbial structure toward enhanced nitrate removal by Tubifex tubifex. <i>Chemical Engineering Journal</i> , 2018 , 353, 699-707	14.7	7
133	Enhanced triclosan and nutrient removal performance in vertical up-flow constructed wetlands with manganese oxides. <i>Water Research</i> , 2018 , 143, 457-466	12.5	65
132	Enhance performance of microbial fuel cell coupled surface flow constructed wetland by using submerged plants and enclosed anodes. <i>Chemical Engineering Journal</i> , 2018 , 351, 312-318	14.7	37
131	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
130	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
129	The index system for project selection in ecological industrial park: A China study. <i>Ecological Indicators</i> , 2017 , 77, 267-275	5.8	9
128	Optimization of the green and low-cost ammoniation-activation method to produce biomass-based activated carbon for Ni(II) removal from aqueous solutions. <i>Journal of Cleaner Production</i> , 2017 , 159, 38-46	10.3	17
127	Weak magnetic field: A powerful strategy to enhance partial nitrification. <i>Water Research</i> , 2017 , 120, 190-198	12.5	44
126	Development of a nitrogen-functionalized carbon adsorbent derived from biomass waste by diammonium hydrogen phosphate activation for Cr(VI) removal. <i>Powder Technology</i> , 2017 , 318, 459-464	5.2	29
125	Biomass-Derived Carbon Sorbents for Cd(II) Removal: Activation and Adsorption Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 4103-4109	8.3	55
124	An ammoniation-activation method to prepare activated carbon with enhanced porosity and functionality. <i>Powder Technology</i> , 2017 , 309, 74-78	5.2	21
123	Improving nitrogen utilization efficiency of aquaponics by introducing algal-bacterial consortia. <i>Bioresource Technology</i> , 2017 , 245, 358-364	11	22

122	Enhanced phosphorus removal in intermittently aerated constructed wetlands filled with various construction wastes. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 22524-22534	5.1	29
121	Role of Ammonia-Oxidizing Archaea in Ammonia Removal of Wetland Under Low-Temperature Condition. <i>Water, Air, and Soil Pollution</i> , 2017 , 228, 1	2.6	10
120	Rapid and efficient removal of Pb(II) from aqueous solutions using biomass-derived activated carbon with humic acid in-situ modification. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 145, 442-448	7	31
119	Performance and mechanism of triclosan removal in simultaneous nitrification and denitrification (SND) process under low-oxygen condition. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 1653-1660	5.7	17
118	Enhancement of surface flow constructed wetlands performance at low temperature through seasonal plant collocation. <i>Bioresource Technology</i> , 2017 , 224, 222-228	11	48
117	Enhanced nutrient removal and mechanisms study in benthic fauna added surface-flow constructed wetlands: The role of Tubifex tubifex. <i>Bioresource Technology</i> , 2017 , 224, 157-165	11	29
116	Effects of the Food-to-Microorganism (F/M) Ratio on N ₂ O Emissions in Aerobic Granular Sludge Sequencing Batch Airlift Reactors. <i>Water (Switzerland)</i> , 2017 , 9, 477	3	8
115	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
114	Sorption heavy metal ions by activated carbons with well-developed microporosity and amino groups derived from Phragmites australis by ammonium phosphates activation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 58, 290-296	5.3	41
113	Sorption of Ni(II) by Fe(II) and EDTA-modified activated carbon derived from pyrophosphoric acid activation. <i>Desalination and Water Treatment</i> , 2016 , 57, 3700-3707		1
112	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
111	Reduction of nitrous oxide emissions from partial nitrification process by using innovative carbon source (mannitol). <i>Bioresource Technology</i> , 2016 , 218, 789-95	11	30
110	Improving low-temperature performance of surface flow constructed wetlands using Potamogeton crispus L. plant. <i>Bioresource Technology</i> , 2016 , 218, 1257-60	11	31
109	Physiological Responses of Potamogeton crispus to Different Levels of Ammonia Nitrogen in Constructed Wetland. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	9
108	Nutrients removal and nitrous oxide emission during simultaneous nitrification, denitrification, and phosphorus removal process: effect of iron. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 15657-64	5.1	15
107	Stability of ecological industry chain: an entropy model approach. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 14316-26	5.1	8
106	Effect of photosynthetically elevated pH on performance of surface flow-constructed wetland planted with Phragmites australis. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 15524-31	5.1	17
105	Effect of seasonal variation on nitrogen transformations in aquaponics of northern China. <i>Ecological Engineering</i> , 2016 , 94, 30-36	3.9	19

104	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
103	Effects of pH on nitrogen transformations in media-based aquaponics. <i>Bioresource Technology</i> , 2016 , 210, 81-7	11	99
102	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
101	Adsorption of amoxicillin by Mn-impregnated activated carbons: performance and mechanisms. <i>RSC Advances</i> , 2016 , 6, 11454-11460	3.7	22
100	Enhancement of Ni(II) removal by urea-modified activated carbon derived from Pennisetum alopecuroides with phosphoric acid activation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 60, 335-341	5.3	24
99	Relationship between nitrogen transformation and its related genes: comparison among riparian, marsh, and full-scale constructed wetlands. <i>Desalination and Water Treatment</i> , 2016 , 57, 21806-21816		2
98	Effect of Plant Harvesting on the Performance of Constructed Wetlands during Summer. <i>Water (Switzerland)</i> , 2016 , 8, 24	3	20
97	Constructed Wetlands for Wastewater Treatment: Sustainability Revolution in Water Management 2016 , 337-373		1
96	Novel zero-valent iron-assembled reactor for strengthening anammox performance under low temperature. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 8711-20	5.7	11
95	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		29
94	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
93	Optimizations on supply and distribution of dissolved oxygen in constructed wetlands: A review. <i>Bioresource Technology</i> , 2016 , 214, 797-805	11	117
92	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
91	Nutrients removal and nitrous oxide emission during simultaneous nitrification, denitrification, and phosphorus removal process: impact of temperature. <i>Desalination and Water Treatment</i> , 2016 , 57, 26187-26195 ⁵		
90	Optimization of Ecological Industrial Chain design based on reliability theory by case study. <i>Journal of Cleaner Production</i> , 2016 , 124, 175-182	10.3	13
89	Ultra-high Rhodamine B adsorption capacities from an aqueous solution by activated carbon derived from Phragmites australis doped with organic acid by phosphoric acid activation. <i>RSC Advances</i> , 2016 , 6, 40818-40827	3.7	31
88	Attempts to improve nitrogen utilization efficiency of aquaponics through nitrifiers addition and filler gradation. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 6671-9	5.1	24
87	Enhancement of the performance of constructed wetlands for wastewater treatment in winter: the effect of Tubifex tubifex. <i>RSC Advances</i> , 2016 , 6, 34841-34848	3.7	17

86	Determination of hydraulic flow patterns in constructed wetlands using hydrogen and oxygen isotopes. <i>Journal of Molecular Liquids</i> , 2016 , 223, 775-780	6	7
85	Nutrient removal and microbial mechanisms in constructed wetland microcosms treating high nitrate/nitrite polluted river water. <i>RSC Advances</i> , 2016 , 6, 70848-70854	3.7	18
84	Effect of influent COD/N ratio on performance and N ₂ O emission of partial nitrification treating high-strength nitrogen wastewater. <i>RSC Advances</i> , 2015 , 5, 61345-61353	3.7	19
83	Comparisons of microbial abundance and community among different plant species in constructed wetlands in summer. <i>Ecological Engineering</i> , 2015 , 82, 376-380	3.9	17
82	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 ¹	5.1	38
81	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
80	Characterization and application of expanded graphite modified with phosphoric acid and glucose for the removal of Ni(II) from aqueous solution. <i>Applied Surface Science</i> , 2015 , 357, 2355-2363	6.7	17
79	Development of carbon adsorbents with high surface acidic and basic group contents from phosphoric acid activation of xylitol. <i>RSC Advances</i> , 2015 , 5, 81220-81228	3.7	13
78	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
77	A review on the sustainability of constructed wetlands for wastewater treatment: Design and operation. <i>Bioresource Technology</i> , 2015 , 175, 594-601	11	557
76	Bacterial community variation and microbial mechanism of triclosan (TCS) removal by constructed wetlands with different types of plants. <i>Science of the Total Environment</i> , 2015 , 505, 633-9	10.2	74
75	Effects of <i>Misgurnus anguillicaudatus</i> and <i>Cipangopaludina cathayensis</i> on Pollutant Removal and Microbial Community in Constructed Wetlands. <i>Water (Switzerland)</i> , 2015 , 7, 2422-2434	3	3
74	Assessment of the Sustainable Development Capacity with the Entropy Weight Coefficient Method. <i>Sustainability</i> , 2015 , 7, 13542-13563	3.6	55
73	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
72	Application of biological island grids in wastewater treatment and its microbial mechanisms. <i>Desalination and Water Treatment</i> , 2015 , 54, 2731-2738		4
71	Composition of extracellular polymeric substances in a partial nitrification reactor treating high ammonia wastewater and nitrous oxide emission. <i>Bioresource Technology</i> , 2015 , 190, 474-9	11	29
70	Heavy metal bioaccumulation and health hazard assessment for three fish species from Nansi Lake, China. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015 , 94, 431-6	2.7	32
69	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

68	Physicochemical characteristics and sorption capacities of heavy metal ions of activated carbons derived by activation with different alkyl phosphate triesters. <i>Applied Surface Science</i> , 2014 , 316, 443-450	6.7	21
67	Preparation and characterization of charcoal from feathers and its application in trimethoprim adsorption. <i>Desalination and Water Treatment</i> , 2014 , 52, 5401-5412		13
66	Analysis of factors affecting the performance of partial nitrification in a sequencing batch reactor. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 1863-70	5.7	27
65	Examination of oxygen release from plants in constructed wetlands in different stages of wetland plant life cycle. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 9709-16	5.1	20
64	Activated carbons with well-developed microporosity prepared from <i>Phragmites australis</i> by potassium silicate activation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 2801-2804	5.3	21
63	Preparation and evaluation of activated carbon with different polycondensed phosphorus oxyacids (H ₃ PO ₄ , H ₄ P ₂ O ₇ , H ₆ P ₄ O ₁₃ and C ₆ H ₁₈ O ₂₄ P ₆) activation employing mushroom roots as precursor. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014 , 108, 41-46	6	31
62	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
61	Comparative quantification of oxygen release by wetland plants: electrode technique and oxygen consumption model. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 1071-8	5.1	6
60	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
59	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
58	Enhanced organics and nitrogen removal in batch-operated vertical flow constructed wetlands by combination of intermittent aeration and step feeding strategy. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 2448-55	5.1	86
57	Intermittent aeration strategy to enhance organics and nitrogen removal in subsurface flow constructed wetlands. <i>Bioresource Technology</i> , 2013 , 141, 117-22	11	131
56	Preparation and characterization of activated carbon from lotus stalk with guanidine phosphate activation: Sorption of Cd(II). <i>Journal of Analytical and Applied Pyrolysis</i> , 2013 , 102, 7-15	6	61
55	Spatial distribution of organochlorine pesticides (OCPs) and effect of soil characters: a case study of a pesticide producing factory. <i>Chemosphere</i> , 2013 , 90, 2381-7	8.4	36
54	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
53	Evaluation of animal hairs-based activated carbon for sorption of norfloxacin and acetaminophen by comparing with cattail fiber-based activated carbon. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013 , 101, 156-165	6	70
52	Preparation and evaluation of activated carbons from lotus stalk with trimethyl phosphate and tributyl phosphate activation for lead removal. <i>Chemical Engineering Journal</i> , 2013 , 228, 425-434	14.7	63
51	Minimization of nitrous oxide emission from anoxic-oxic biological nitrogen removal process: effect of influent COD/NH ₄ ⁺ ratio and feeding strategy. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 115, 272-8	3.3	29

50	Nitrogen transformations and balance in constructed wetlands for slightly polluted river water treatment using different macrophytes. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 443-51	5.1	53
49	Impact of carbon source on nitrous oxide emission from anoxic/oxic biological nitrogen removal process and identification of its emission sources. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 1059-69	5.1	43
48	Effect of salinity on extracellular polymeric substances of activated sludge from an anoxic-aerobic sequencing batch reactor. <i>Chemosphere</i> , 2013 , 93, 2789-95	8.4	119
47	Preparation and characterization of activated carbon from wool waste and the comparison of muffle furnace and microwave heating methods. <i>Powder Technology</i> , 2013 , 249, 234-240	5.2	31
46	Nitrous oxide emission in low-oxygen simultaneous nitrification and denitrification process: sources and mechanisms. <i>Bioresource Technology</i> , 2013 , 136, 444-51	11	73
45	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
44	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
43	Partial nitrification and nitrous oxide emission in an intermittently aerated sequencing batch biofilm reactor. <i>Chemical Engineering Journal</i> , 2013 , 217, 435-441	14.7	56
42	Key evaluation framework for the impacts of urbanization on air environment A case study. <i>Ecological Indicators</i> , 2013 , 24, 266-272	5.8	60
41	N ₂ O emission in a partial nitrification system: dynamic emission characteristics and the ammonium-oxidizing bacteria community. <i>Bioresource Technology</i> , 2013 , 127, 400-6	11	35
40	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
39	Mass Balance Study on Phosphorus Removal in Constructed Wetland Microcosms Treating Polluted River Water. <i>Clean - Soil, Air, Water</i> , 2013 , 41, 844-850	1.6	54
38	Effect of PHB and oxygen uptake rate on nitrous oxide emission during simultaneous nitrification denitrification process. <i>Bioresource Technology</i> , 2012 , 113, 232-8	11	52
37	Study on the Mechanism of N ₂ O Emission from Biological Nitrogen Removal Process: The Use of Inhibitors 2012 ,		2
36	Preparation and characterization of activated charcoals from a new source: Feather. <i>Materials Letters</i> , 2012 , 87, 17-19	3.3	17
35	Preparation of activated carbon from lotus stalks with the mixture of phosphoric acid and pentaerythritol impregnation and its application for Ni(II) sorption. <i>Chemical Engineering Journal</i> , 2012 , 209, 155-162	14.7	79
34	Textural properties and surface chemistry of lotus stalk-derived activated carbons prepared using different phosphorus oxyacids: adsorption of trimethoprim. <i>Journal of Hazardous Materials</i> , 2012 , 235-236, 367-75	12.8	91
33	Preparation and evaluation of activated carbon-based iron-containing adsorbents for enhanced Cr(VI) removal: Mechanism study. <i>Chemical Engineering Journal</i> , 2012 , 189-190, 295-302	14.7	104

32	Application of using surface constructed wetland for removal of chemical oxygen demand and ammonium in polluted river water. <i>Desalination and Water Treatment</i> , 2012 , 44, 142-150		9
31	Nitrous oxide emissions from surface flow and subsurface flow constructed wetland microcosms: Effect of feeding strategies. <i>Ecological Engineering</i> , 2011 , 37, 1815-1821	3.9	44
30	Methane emissions from a full-scale A/A/O wastewater treatment plant. <i>Bioresource Technology</i> , 2011 , 102, 5479-85	11	91
29	Ultrasonic-assisted sodium hypochlorite oxidation of activated carbons for enhanced removal of Co(II) from aqueous solutions. <i>Chemical Engineering Journal</i> , 2011 , 175, 24-32	14.7	48
28	Removal of cephalexin from aqueous solutions by original and Cu(II)/Fe(III) impregnated activated carbons developed from lotus stalks Kinetics and equilibrium studies. <i>Journal of Hazardous Materials</i> , 2011 , 185, 1528-35	12.8	120
27	Effect of anoxic/aerobic phase fraction on N ₂ O emission in a sequencing batch reactor under low temperature. <i>Bioresource Technology</i> , 2011 , 102, 5486-91	11	70
26	Sorption of norfloxacin from aqueous solutions by activated carbon developed from <i>Trapa natans</i> husk. <i>Science China Chemistry</i> , 2011 , 54, 835-843	7.9	20
25	Identifying sources of nitrous oxide emission in anoxic/aerobic sequencing batch reactors (A/O SBRs) acclimated in different aeration rates. <i>Enzyme and Microbial Technology</i> , 2011 , 49, 237-45	3.8	29
24	Preparation and evaluation of cattail fiber-based activated carbon for 2,4-dichlorophenol and 2,4,6-trichlorophenol removal. <i>Chemical Engineering Journal</i> , 2011 , 168, 553-561	14.7	90
23	Sorption of norfloxacin by lotus stalk-based activated carbon and iron-doped activated alumina: Mechanisms, isotherms and kinetics. <i>Chemical Engineering Journal</i> , 2011 , 171, 431-438	14.7	165
22	Nitrous oxide emissions from a typical northern Chinese municipal wastewater treatment plant. <i>Desalination and Water Treatment</i> , 2011 , 32, 145-152		19
21	Physiological responses of three plant species exposed to excess ammonia in constructed wetland. <i>Desalination and Water Treatment</i> , 2011 , 32, 271-276		11
20	Adsorption of 2,4-dichlorophenol on Mn-modified activated carbon prepared from <i>Polygonum orientale</i> Linn. <i>Desalination</i> , 2011 , 266, 175-181	10.3	46
19	Adsorption of 2,4,6-trichlorophenol from aqueous solution onto activated carbon derived from loosestrife. <i>Desalination</i> , 2011 , 267, 139-146	10.3	95
18	Nutrient removal in constructed microcosm wetlands for treating polluted river water in northern China. <i>Ecological Engineering</i> , 2011 , 37, 560-568	3.9	176
17	Adsorption of Phthalate Esters (PAEs) from Aqueous Solution onto Activated Carbons from Softstem Bulrush. <i>Advanced Materials Research</i> , 2010 , 152-153, 791-796	0.5	
16	Effect of aeration rate on the emission of N ₂ O in anoxic-aerobic sequencing batch reactors (A/O SBRs). <i>Journal of Bioscience and Bioengineering</i> , 2010 , 109, 487-91	3.3	56
15	Adsorption of Basic Violet 14 in aqueous solutions using KMnO ₄ -modified activated carbon. <i>Journal of Colloid and Interface Science</i> , 2010 , 343, 188-93	9.3	23

14	Adsorption of Pb(II) on activated carbon prepared from Polygonum orientale Linn.: kinetics, isotherms, pH, and ionic strength studies. <i>Bioresource Technology</i> , 2010 , 101, 5808-14	11	269
13	Adsorptive removal of Cr (VI) by Fe-modified activated carbon prepared from Trapa natans husk. <i>Chemical Engineering Journal</i> , 2010 , 162, 677-684	14.7	197
12	Equilibrium and kinetic studies of methyl orange and methyl violet adsorption on activated carbon derived from Phragmites australis. <i>Desalination</i> , 2010 , 252, 149-156	10.3	484
11	Effect of intermittent operation on contaminant removal and plant growth in vertical flow constructed wetlands: A microcosm experiment. <i>Desalination</i> , 2010 , 262, 202-208	10.3	79
10	Physiological responses of Phragmites australis to wastewater with different chemical oxygen demands. <i>Ecological Engineering</i> , 2010 , 36, 1341-1347	3.9	43
9	Effects of Plant Species on Nitrous Oxide Emission and Microbial Community Structure Diversity in Constructed Wetlands 2009 ,		1
8	Nitrogen removal from agricultural runoff by full-scale constructed wetland in China. <i>Hydrobiologia</i> , 2009 , 621, 115-126	2.4	35
7	Relationships of nitrous oxide fluxes with water quality parameters in free water surface constructed wetlands. <i>Frontiers of Environmental Science and Engineering in China</i> , 2009 , 3, 241-247		12
6	Impact of COD/N ratio on nitrous oxide emission from microcosm wetlands and their performance in removing nitrogen from wastewater. <i>Bioresource Technology</i> , 2009 , 100, 2910-7	11	143
5	Ecological assessment of lakeshore wetland rehabilitation on eastern route of South-to-North Water Transfer Project. <i>Frontiers of Environmental Science and Engineering in China</i> , 2008 , 2, 306-310		3
4	Biosorption of methylene blue from aqueous solution by softstem bulrush (<i>Scirpus tabernaemontani</i> Gmel.). <i>Journal of Chemical Technology and Biotechnology</i> , 2008 , 83, 1639-1647	3.5	11
3	Adsorption of malachite green from aqueous solution onto carbon prepared from <i>Arundo donax</i> root. <i>Journal of Hazardous Materials</i> , 2008 , 150, 774-82	12.8	237
2	Adsorption of Neutral Red onto Mn-impregnated activated carbons prepared from <i>Typha orientalis</i> . <i>Bioresource Technology</i> , 2008 , 99, 8974-80	11	67
1	Nitrogen removal enhanced by intermittent operation in a subsurface wastewater infiltration system. <i>Ecological Engineering</i> , 2005 , 25, 419-428	3.9	91