

Jian Zhang

List of Publications by Year in descending order

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215
papers

13,648
citations

24978

57
h-index

25716

108
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218
all docs

218
docs citations

218
times ranked

12029
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	A review on the sustainability of constructed wetlands for wastewater treatment: Design and operation. <i>Bioresource Technology</i> , 2015, 175, 594-601.	4.8	759
3	Equilibrium and kinetic studies of methyl orange and methyl violet adsorption on activated carbon derived from <i>Phragmites australis</i> . <i>Desalination</i> , 2010, 252, 149-156.	4.0	603
4	Adsorption of Pb(II) on activated carbon prepared from <i>Polygonum orientale</i> Linn.: Kinetics, isotherms, pH, and ionic strength studies. <i>Bioresource Technology</i> , 2010, 101, 5808-5814.	4.8	298
5	Adsorption of malachite green from aqueous solution onto carbon prepared from <i>Arundo donax</i> root. <i>Journal of Hazardous Materials</i> , 2008, 150, 774-782.	6.5	272
6	Adsorptive removal of Cr (VI) by Fe-modified activated carbon prepared from <i>Trapa natans</i> husk. <i>Chemical Engineering Journal</i> , 2010, 162, 677-684.	6.6	227
7	Nutrient removal in constructed microcosm wetlands for treating polluted river water in northern China. <i>Ecological Engineering</i> , 2011, 37, 560-568.	1.6	202
8	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.	6.6	197
9	Nitrogen removal in intermittently aerated vertical flow constructed wetlands: Impact of influent COD/N ratios. <i>Bioresource Technology</i> , 2013, 143, 461-466.	4.8	189
10	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, 2910-2917.	4.8	163
11	Intermittent aeration strategy to enhance organics and nitrogen removal in subsurface flow constructed wetlands. <i>Bioresource Technology</i> , 2013, 141, 117-122.	4.8	161
12	Effect of salinity on extracellular polymeric substances of activated sludge from an anoxic-aerobic sequencing batch reactor. <i>Chemosphere</i> , 2013, 93, 2789-2795.	4.2	161
13	Optimizations on supply and distribution of dissolved oxygen in constructed wetlands: A review. <i>Bioresource Technology</i> , 2016, 214, 797-805.	4.8	159
14	Decentralized domestic wastewater treatment using intermittently aerated vertical flow constructed wetlands: Impact of influent strengths. <i>Bioresource Technology</i> , 2015, 176, 163-168.	4.8	144
15	Effects of pH on nitrogen transformations in media-based aquaponics. <i>Bioresource Technology</i> , 2016, 210, 81-87.	4.8	142
16	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, 1528-1535.	6.5	136
17	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.	6.6	129
18	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.	4.8	121

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19	Methane emissions from a full-scale A/A/O wastewater treatment plant. <i>Bioresource Technology</i> , 2011, 102, 5479-5485.	4.8	117
20	Adsorption of 2,4,6-trichlorophenol from aqueous solution onto activated carbon derived from loosestrife. <i>Desalination</i> , 2011, 267, 139-146.	4.0	112
21	Enhanced triclosan and nutrient removal performance in vertical up-flow constructed wetlands with manganese oxides. <i>Water Research</i> , 2018, 143, 457-466.	5.3	108
22	Nitrogen removal enhanced by intermittent operation in a subsurface wastewater infiltration system. <i>Ecological Engineering</i> , 2005, 25, 419-428.	1.6	107
23	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.	6.6	106
24	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, 367-375.	6.5	102
25	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.	4.0	96
26	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.	6.6	96
27	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, 2448-2455.	2.7	95
28	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.	6.6	93
29	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, 633-639.	3.9	89
30	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.	4.8	87
31	Intensified organics and nitrogen removal in the intermittent-aerated constructed wetland using a novel sludge-ceramsite as substrate. <i>Bioresource Technology</i> , 2016, 210, 101-107.	4.8	83
32	Nitrous oxide emission in low-oxygen simultaneous nitrification and denitrification process: Sources and mechanisms. <i>Bioresource Technology</i> , 2013, 136, 444-451.	4.8	82
33	New insights for enhancing the performance of constructed wetlands at low temperatures. <i>Bioresource Technology</i> , 2020, 301, 122722.	4.8	82
34	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, 5486-5491.	4.8	80
35	Microbial abundance and community in subsurface flow constructed wetland microcosms: role of plant presence. <i>Environmental Science and Pollution Research</i> , 2016, 23, 4036-4045.	2.7	80
36	Weak magnetic field: A powerful strategy to enhance partial nitrification. <i>Water Research</i> , 2017, 120, 190-198.	5.3	79

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37	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.	2.6	77
38	Biomass-Derived Carbon Sorbents for Cd(II) Removal: Activation and Adsorption Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4103-4109.	3.2	74
39	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.	6.6	73
40	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.	2.7	72
41	Adsorption of Neutral Red onto Mn-impregnated activated carbons prepared from <i>Typha orientalis</i> . <i>Bioresource Technology</i> , 2008, 99, 8974-8980.	4.8	71
42	Key evaluation framework for the impacts of urbanization on air environment – A case study. <i>Ecological Indicators</i> , 2013, 24, 266-272.	2.6	71
43	Effect of aeration rate on the emission of N ₂ O in anoxic-aerobic sequencing batch reactors (A/O). <i>Water Science and Technology</i> , 2011, 63, 107-114.	1.1	70
44	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.	2.6	70
45	Phosphorus removal enhancement of magnesium modified constructed wetland microcosm and its mechanism study. <i>Chemical Engineering Journal</i> , 2018, 335, 209-214.	6.6	70
46	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.	4.2	69
47	Partial nitrification and nitrous oxide emission in an intermittently aerated sequencing batch biofilm reactor. <i>Chemical Engineering Journal</i> , 2013, 217, 435-441.	6.6	68
48	Assessment of the Sustainable Development Capacity with the Entropy Weight Coefficient Method. <i>Sustainability</i> , 2015, 7, 13542-13563.	1.6	68
49	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.	2.9	66
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, 443-451.	2.7	65
51	Mass Balance Study on Phosphorus Removal in Constructed Wetland Microcosms Treating Polluted River Water. <i>Clean - Soil, Air, Water</i> , 2013, 41, 844-850.	0.7	65
52	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.	4.6	65
53	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.	3.9	65
54	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.	1.9	63

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55	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.	5.3	63
56	Enhancement of surface flow constructed wetlands performance at low temperature through seasonal plant collocation. <i>Bioresource Technology</i> , 2017, 224, 222-228.	4.8	60
57	Effect of PHB and oxygen uptake rate on nitrous oxide emission during simultaneous nitrification denitrification process. <i>Bioresource Technology</i> , 2012, 113, 232-238.	4.8	59
58	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.	3.9	58
59	Strategies and techniques to enhance constructed wetland performance for sustainable wastewater treatment. <i>Environmental Science and Pollution Research</i> , 2015, 22, 14637-14650.	2.7	55
60	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.	6.6	54
61	Nitrous oxide emissions from surface flow and subsurface flow constructed wetland microcosms: Effect of feeding strategies. <i>Ecological Engineering</i> , 2011, 37, 1815-1821.	1.6	53
62	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.	6.6	53
63	Physiological responses of <i>Phragmites australis</i> to wastewater with different chemical oxygen demands. <i>Ecological Engineering</i> , 2010, 36, 1341-1347.	1.6	52
64	Recent advances in the enhanced nitrogen removal by oxygen-increasing technology in constructed wetlands. <i>Ecotoxicology and Environmental Safety</i> , 2020, 205, 111330.	2.9	51
65	Adsorption of 2,4-dichlorophenol on Mn-modified activated carbon prepared from <i>Polygonum orientale</i> Linn. <i>Desalination</i> , 2011, 266, 175-181.	4.0	50
66	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, 1059-1069.	2.7	50
67	Sorption heavy metal ions by activated carbons with well-developed microporosity and amino groups derived from <i>Phragmites australis</i> by ammonium phosphates activation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 58, 290-296.	2.7	49
68	Recent advances in biochar application for water and wastewater treatment: a review. <i>PeerJ</i> , 2020, 8, e9164.	0.9	48
69	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.	2.9	47
70	Nitrogen removal from agricultural runoff by full-scale constructed wetland in China. <i>Hydrobiologia</i> , 2009, 621, 115-126.	1.0	46
71	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, 431-436.	1.3	46
72	Enhanced phosphorus removal in intermittently aerated constructed wetlands filled with various construction wastes. <i>Environmental Science and Pollution Research</i> , 2017, 24, 22524-22534.	2.7	46

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73	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.	2.6	43
74	Purification ability and carbon dioxide flux from surface flow constructed wetlands treating sewage treatment plant effluent. <i>Bioresource Technology</i> , 2016, 219, 768-772.	4.8	43
75	Spatial distribution of organochlorine pesticides (OCPs) and effect of soil characters: A case study of a pesticide producing factory. <i>Chemosphere</i> , 2013, 90, 2381-2387.	4.2	42
76	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, 7476-7484.	2.7	42
77	N ₂ O emission in a partial nitrification system: Dynamic emission characteristics and the ammonium-oxidizing bacteria community. <i>Bioresource Technology</i> , 2013, 127, 400-406.	4.8	41
78	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.	2.1	41
79	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.	6.6	41
80	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.	4.8	40
81	Enhanced nutrient removal and mechanisms study in benthic fauna added surface-flow constructed wetlands: The role of <i>Tubifex tubifex</i> . <i>Bioresource Technology</i> , 2017, 224, 157-165.	4.8	40
82	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, 123-130.	4.8	39
83	New insight into ammonium oxidation processes and mechanisms mediated by manganese oxide in constructed wetlands. <i>Water Research</i> , 2022, 215, 118251.	5.3	39
84	Simultaneously enhanced removal of PAHs and nitrogen driven by Fe ²⁺ /Fe ³⁺ cycle in constructed wetland through automatic tidal operation. <i>Water Research</i> , 2022, 215, 118232.	5.3	39
85	Ultra-high Rhodamine B adsorption capacities from an aqueous solution by activated carbon derived from <i>Phragmites australis</i> doped with organic acid by phosphoric acid activation. <i>RSC Advances</i> , 2016, 6, 40818-40827.	1.7	38
86	Attempts to improve nitrogen utilization efficiency of aquaponics through nitrifies addition and filler gradation. <i>Environmental Science and Pollution Research</i> , 2016, 23, 6671-6679.	2.7	38
87	Composition of extracellular polymeric substances in a partial nitrification reactor treating high ammonia wastewater and nitrous oxide emission. <i>Bioresource Technology</i> , 2015, 190, 474-479.	4.8	37
88	Improving low-temperature performance of surface flow constructed wetlands using <i>Potamogeton crispus</i> L. plant. <i>Bioresource Technology</i> , 2016, 218, 1257-1260.	4.8	37
89	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, 272-278.	1.1	36
90	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.	2.1	36

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91	Reduction of nitrous oxide emissions from partial nitrification process by using innovative carbon source (mannitol). <i>Bioresource Technology</i> , 2016, 218, 789-795.	4.8	36
92	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.	6.6	36
93	Application of constructed wetlands in the PAH remediation of surface water: A review. <i>Science of the Total Environment</i> , 2021, 780, 146605.	3.9	36
94	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.	3.9	35
95	Adsorption of phenanthrene from aqueous solutions by biochar derived from an ammoniation-hydrothermal method. <i>Science of the Total Environment</i> , 2020, 733, 139267.	3.9	35
96	Micropollutant abatement by the UV/chloramine process in potable water reuse: A review. <i>Journal of Hazardous Materials</i> , 2022, 424, 127341.	6.5	35
97	Improving nitrogen utilization efficiency of aquaponics by introducing algal-bacterial consortia. <i>Bioresource Technology</i> , 2017, 245, 358-364.	4.8	34
98	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, 237-245.	1.6	33
99	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.	4.8	33
100	Removal of Chloramphenicol from Aqueous Solution Using Low-Cost Activated Carbon Prepared from <i>Typha orientalis</i> . <i>Water (Switzerland)</i> , 2018, 10, 351.	1.2	33
101	Nitrous oxide generation in denitrifying phosphorus removal process: main causes and control measures. <i>Environmental Science and Pollution Research</i> , 2013, 20, 5353-5360.	2.7	32
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.	3.9	32
103	Adsorption of amoxicillin by Mn-impregnated activated carbons: performance and mechanisms. <i>RSC Advances</i> , 2016, 6, 11454-11460.	1.7	32
104	Large-scale multi-stage constructed wetlands for secondary effluents treatment in northern China: Carbon dynamics. <i>Environmental Pollution</i> , 2018, 233, 933-942.	3.7	32
105	Impact of COD/N on anammox granular sludge with different biological carriers. <i>Science of the Total Environment</i> , 2020, 728, 138557.	3.9	32
106	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> , 2022, 210, 118009.	5.3	32
107	Analysis of factors affecting the performance of partial nitrification in a sequencing batch reactor. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1863-1870.	1.7	30
108	An ammoniation-activation method to prepare activated carbon with enhanced porosity and functionality. <i>Powder Technology</i> , 2017, 309, 74-78.	2.1	30

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109	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, 9709-9716.	2.7	29
110	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, 15657-15664.	2.7	29
111	Enhancement of Ni(II) removal by urea-modified activated carbon derived from <i>Pennisetum alopecuroides</i> with phosphoric acid activation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 60, 335-341.	2.7	29
112	Response of greenhouse gas emissions and microbial community dynamics to temperature variation during partial nitrification. <i>Bioresource Technology</i> , 2018, 261, 19-27.	4.8	29
113	Removal pathways of benzofluoranthene in a constructed wetland amended with metallic ions embedded carbon. <i>Bioresource Technology</i> , 2020, 311, 123481.	4.8	29
114	The performance and mechanism of biochar-enhanced constructed wetland for wastewater treatment. <i>Journal of Water Process Engineering</i> , 2022, 45, 102522.	2.6	29
115	Adsorption of Basic Violet 14 in aqueous solutions using KMnO ₄ -modified activated carbon. <i>Journal of Colloid and Interface Science</i> , 2010, 343, 188-193.	5.0	28
116	Exploring simultaneous nitrous oxide and methane sink in wetland sediments under anoxic conditions. <i>Water Research</i> , 2021, 194, 116958.	5.3	28
117	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.	2.9	28
118	Influence of organic shock loads on the production of N ₂ O in denitrifying phosphorus removal process. <i>Bioresource Technology</i> , 2013, 141, 160-166.	4.8	27
119	Effect of Plant Harvesting on the Performance of Constructed Wetlands during Summer. <i>Water (Switzerland)</i> , 2016, 8, 24.	1.2	27
120	Performance of constructed wetlands and associated mechanisms of PAHs removal with mussels. <i>Chemical Engineering Journal</i> , 2019, 357, 280-287.	6.6	27
121	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.	3.7	27
122	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.	3.1	25
123	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.	2.7	25
124	Nutrient removal and microbial mechanisms in constructed wetland microcosms treating high nitrate/nitrite polluted river water. <i>RSC Advances</i> , 2016, 6, 70848-70854.	1.7	25
125	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.	4.8	25
126	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.	2.7	25

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127	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.	6.6	25
128	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.	4.2	24
129	Intensified sulfamethoxazole removal in an electrolysis-integrated tidal flow constructed wetland system. <i>Chemical Engineering Journal</i> , 2020, 390, 124545.	6.6	24
130	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.	6.6	24
131	Effect of seasonal variation on nitrogen transformations in aquaponics of northern China. <i>Ecological Engineering</i> , 2016, 94, 30-36.	1.6	23
132	Coupled methane and nitrous oxide biotransformation in freshwater wetland sediment microcosms. <i>Science of the Total Environment</i> , 2019, 648, 916-922.	3.9	23
133	Nitrous oxide emissions from a typical northern Chinese municipal wastewater treatment plant. <i>Desalination and Water Treatment</i> , 2011, 32, 145-152.	1.0	22
134	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.	2.1	22
135	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.	1.7	22
136	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.	6.6	21
137	Nitrous oxide emission in an aerobic granulation sequencing batch airlift reactor at ambient temperatures. <i>International Biodeterioration and Biodegradation</i> , 2013, 85, 533-538.	1.9	21
138	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.	4.6	21
139	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.	2.3	21
140	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.	1.7	20
141	Enhancement of the performance of constructed wetlands for wastewater treatment in winter: the effect of <i>Tubifex tubifex</i> . <i>RSC Advances</i> , 2016, 6, 34841-34848.	1.7	20
142	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.	1.7	20
143	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.	1.6	20
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