

Mawuli Dzakpasu

List of Publications by Citations

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

66
papers

1,367
citations

18
h-index

35
g-index

74
ext. papers

1,890
ext. citations

7.7
avg, IF

4.95
L-index

#	Paper	IF	Citations
66	Current status of urban wastewater treatment plants in China. <i>Environment International</i> , 2016 , 92-93, 11-22	12.9	292
65	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
64	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
63	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
62	Impact of Hydraulic Loading Rate and Season on Water Contaminant Reductions Within Integrated Constructed Wetlands. <i>Wetlands</i> , 2011 , 31, 499-509	1.7	42
61	Bioretention cell incorporating Fe-biochar and saturated zones for enhanced stormwater runoff treatment. <i>Chemosphere</i> , 2019 , 237, 124424	8.4	41
60	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
59	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
58	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
57	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
56	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
55	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
54	Molecular characterization of long-term impacts of macrophytes harvest management in constructed wetlands. <i>Bioresource Technology</i> , 2018 , 268, 514-522	11	24
53	Significance of B-site cobalt on bisphenol A degradation by MOFs-templated Co _x Fe _{3-x} O ₄ catalysts and its severe attenuation by excessive cobalt-rich phase. <i>Chemical Engineering Journal</i> , 2019 , 359, 552-563	14.7	24
52	Integrating stereo-elastic packing into ecological floating bed for enhanced denitrification in landscape water. <i>Bioresource Technology</i> , 2020 , 299, 122601	11	21
51	Long-term impact of primary domestic sewage on metal/loid accumulation in drainage ditch sediments, plants and water: Implications for phytoremediation and restoration. <i>Science of the Total Environment</i> , 2017 , 581-582, 773-781	10.2	20
50	Development of a water cycle management approach to Sponge City construction in Xilan, China. <i>Science of the Total Environment</i> , 2019 , 685, 490-496	10.2	19

49	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
48	Transformation and utilization of slowly biodegradable organic matters in biological sewage treatment of anaerobic anoxic oxic systems. <i>Bioresource Technology</i> , 2016 , 218, 53-61	11	18
47	Application of the anammox-based process for nitrogen removal from anaerobic digestion effluent: A review of treatment performance, biochemical reactions, and impact factors. <i>Journal of Water Process Engineering</i> , 2020 , 38, 101595	6.7	18
46	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
45	Assessment of long-term phosphorus retention in an integrated constructed wetland treating domestic wastewater. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 305-13	5.1	16
44	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
43	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
42	Uptake and Release of Sequestered Nutrient in Subtropical Monsoon Ecological Ditch Plant Species. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	14
41	Nitrogen removal in an integrated constructed wetland treating domestic wastewater. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011 , 46, 742-50	2.3	14
40	Growth characteristics and nutrient removal capability of eco-ditch plants in mesocosm sediment receiving primary domestic wastewater. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 23926-23938	5.1	13
39	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
38	Fate of an antibiotic and its effects on nitrogen transformation functional bacteria in integrated vertical flow constructed wetlands. <i>Chemical Engineering Journal</i> , 2021 , 417, 129272	14.7	13
37	Nitrogen transformations and mass balance in an integrated constructed wetland treating domestic wastewater. <i>Water Science and Technology</i> , 2014 , 70, 1496-502	2.2	12
36	Potential of invasive watermilfoil (<i>Myriophyllum</i> spp.) to remediate eutrophic waterbodies with organic and inorganic pollutants. <i>Journal of Environmental Management</i> , 2020 , 270, 110919	7.9	11
35	Groundwater Quality Impacts from a Full-Scale Integrated Constructed Wetland. <i>Ground Water Monitoring and Remediation</i> , 2014 , 34, 51-64	1.4	11
34	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
33	Genetic characterization of fecal impacts of seagull migration on an urban scenery lake. <i>Water Research</i> , 2017 , 117, 27-36	12.5	10
32	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

31	Nutrient removal in a trapezoidal vegetated drainage ditch used to treat primary domestic sewage in a small catchment of the upper Yangtze River. <i>Water and Environment Journal</i> , 2017 , 31, 72-79	1.7	10
30	Nutrient dynamics and retention in a vegetated drainage ditch receiving nutrient-rich sewage at low temperatures. <i>Science of the Total Environment</i> , 2020 , 741, 140268	10.2	9
29	Characterising infiltration and contaminant migration beneath earthen-lined integrated constructed wetlands. <i>Ecological Engineering</i> , 2012 , 41, 41-51	3.9	9
28	Effects of plants competition on critical bacteria selection and pollutants dynamics in a long-term polyculture constructed wetland. <i>Bioresource Technology</i> , 2020 , 316, 123927	11	9
27	Solid-state synthesis of cobalt ferrite fitted with Fe ₂ O ₃ -containing nanocage for peroxymonosulfate activation and cobalt leaching control. <i>Chemical Engineering Journal</i> , 2021 , 405, 126994	14.7	9
26	New insight into the membrane fouling of anaerobic membrane bioreactors treating sewage: Physicochemical and biological characterization of cake and gel layers. <i>Journal of Membrane Science</i> , 2021 , 632, 119383	9.6	9
25	Phosphorus retention and mass balance in an integrated constructed wetland treating domestic wastewater. <i>Water and Environment Journal</i> , 2015 , 29, 298-306	1.7	8
24	Source-Associated Gastroenteritis Risk from Swimming Exposure to Aging Fecal Pathogens. <i>Environmental Science & Technology</i> , 2020 , 54, 921-929	10.3	7
23	Removal of trace organic contaminants in municipal wastewater by anaerobic membrane bioreactor: Efficiencies, fates and impact factors. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101953	6.7	7
22	Characterization of dissolved organic matter and carbon release from wetland plants for enhanced nitrogen removal in constructed wetlands for low C-N wastewater treatment. <i>Chemosphere</i> , 2021 , 273, 129630	8.4	7
21	Development of an indicator for characterizing particle size distribution and quality of stormwater runoff. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 7991-8001	5.1	6
20	Coagulation performance of cucurbit[8]uril for the removal of azo dyes: effect of solution chemistry and coagulant dose. <i>Water Science and Technology</i> , 2018 , 78, 415-423	2.2	6
19	Anaerobic membrane bioreactors for domestic wastewater treatment 2020 , 143-165		5
18	Characterizing phosphorus removal from polluted urban river water by steel slags in a vertical flow constructed wetland. <i>Water Science and Technology</i> , 2016 , 73, 2644-53	2.2	5
17	Interception of sediment-liberated phosphate in a surface aquatic system for eutrophication control. <i>Water Science and Technology: Water Supply</i> , 2020 , 20, 197-208	1.4	5
16	Towards the formulation of rural sewage discharge standards in China. <i>Science of the Total Environment</i> , 2021 , 759, 143533	10.2	5
15	Design influence and evaluation model of bioretention in rainwater treatment: A review. <i>Science of the Total Environment</i> , 2021 , 787, 147592	10.2	5
14	Spatiotemporal Characteristics and Trend Analysis of Two Evapotranspiration-Based Drought Products and Their Mechanisms in Sub-Saharan Africa. <i>Remote Sensing</i> , 2021 , 13, 533	5	4

13	Adaptive neuro-fuzzy inference system for real-time monitoring of integrated-constructed wetlands. <i>Water Science and Technology</i> , 2015 , 71, 22-30	2.2	3
12	Phytoremediation mechanisms and plant eco-physiological response to microorganic contaminants in integrated vertical-flow constructed wetlands. <i>Journal of Hazardous Materials</i> , 2021 , 424, 127611	12.8	3
11	Galvanic corrosion of zero-valent iron to intensify Fe ²⁺ generation for peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2021 , 417, 128023	14.7	3
10	Characterization and biogeochemical implications of dissolved organic matter in aquatic environments. <i>Journal of Environmental Management</i> , 2021 , 294, 113041	7.9	3
9	Future Changes in Simulated Evapotranspiration across Continental Africa Based on CMIP6 CNRM-CM6. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	2
8	Sequential detention pond-biogeochemical barrier-free water surface wetland system for effluent purification and river eutrophication control. <i>Journal of Water Process Engineering</i> , 2021 , 41, 102075	6.7	2
7	Role of divalent metals Cu and Zn in <i>Microcystis aeruginosa</i> proliferation and production of toxic microcystins. <i>Toxicon</i> , 2019 , 170, 51-59	2.8	1
6	New insights into the mechanisms underlying biochar-assisted sustained high-efficient co-digestion: Reducing thermodynamic constraints and enhancing extracellular electron transfer flux. <i>Science of the Total Environment</i> , 2021 , 811, 151416	10.2	0
5	Solar irradiation-induced photochemical processing of dissolved organic matter in reclaimed water. <i>Journal of Water Process Engineering</i> , 2022 , 46, 102544	6.7	0
4	Stereoselective degradation pathway of amide chiral herbicides and its impacts on plant and bacterial communities in integrated vertical flow constructed wetlands.. <i>Bioresource Technology</i> , 2022 , 351, 126997	11	0
3	Enhancement effects and pathways of nitrogen removal by plant-based carbon source in integrated vertical flow constructed wetlands. <i>Journal of Water Process Engineering</i> , 2022 , 47, 102734	6.7	0
2	Microbial community and carbon-nitrogen metabolism pathways in integrated vertical flow constructed wetlands treating wastewater containing antibiotics.. <i>Bioresource Technology</i> , 2022 , 127217 ¹¹		0
1	Environmental risk assessment by using disability adjusted life year via constructing of a generalized linear model for morbidity estimation of waterborne pathogens. <i>Journal of Environmental Management</i> , 2021 , 299, 113566	7.9	