

Mawuli Dzakpasu

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

2,443
citations

236612

25
h-index

214527

47
g-index

74
all docs

74
docs citations

74
times ranked

2320
citing authors

#	ARTICLE	IF	CITATIONS
1	Current status of urban wastewater treatment plants in China. <i>Environment International</i> , 2016, 92-93, 11-22.	4.8	438
2	MOF-templated synthesis of CoFe ₂ O ₄ nanocrystals and its coupling with peroxymonosulfate for degradation of bisphenol A. <i>Chemical Engineering Journal</i> , 2018, 353, 329-339.	6.6	295
3	Attenuation of BPA degradation by SO ₄ ²⁻ in a system of peroxymonosulfate coupled with Mn/Fe MOF-templated catalysts and its synergism with Cl ⁻ and bicarbonate. <i>Chemical Engineering Journal</i> , 2019, 372, 605-615.	6.6	146
4	Effects of annual harvesting on plants growth and nutrients removal in surface-flow constructed wetlands in northwestern China. <i>Ecological Engineering</i> , 2015, 83, 268-275.	1.6	68
5	Impact of Hydraulic Loading Rate and Season on Water Contaminant Reductions Within Integrated Constructed Wetlands. <i>Wetlands</i> , 2011, 31, 499-509.	0.7	65
6	Impacts of different biochar types on hydrogen production promotion during fermentative co-digestion of food wastes and dewatered sewage sludge. <i>Waste Management</i> , 2018, 80, 73-80.	3.7	60
7	Bioretention cell incorporating Fe-biochar and saturated zones for enhanced stormwater runoff treatment. <i>Chemosphere</i> , 2019, 237, 124424.	4.2	55
8	A novel index of total oxygen demand for the comprehensive evaluation of energy consumption for urban wastewater treatment. <i>Applied Energy</i> , 2019, 236, 253-261.	5.1	53
9	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.	6.6	50
10	Evaluation of ecotoxicological effects of benzophenone UV filters: Luminescent bacteria toxicity, genotoxicity and hormonal activity. <i>Ecotoxicology and Environmental Safety</i> , 2017, 142, 338-347.	2.9	48
11	Effects of interspecific competition on the growth of macrophytes and nutrient removal in constructed wetlands: A comparative assessment of free water surface and horizontal subsurface flow systems. <i>Bioresource Technology</i> , 2016, 207, 134-141.	4.8	47
12	Validity and utility of ecological footprint accounting: A state-of-the-art review. <i>Sustainable Cities and Society</i> , 2017, 32, 411-416.	5.1	47
13	Significance of B-site cobalt on bisphenol A degradation by MOFs-templated Co ₃ Fe ₃ O ₄ catalysts and its severe attenuation by excessive cobalt-rich phase. <i>Chemical Engineering Journal</i> , 2019, 359, 552-563.	6.6	41
14	Integrating stereo-elastic packing into ecological floating bed for enhanced denitrification in landscape water. <i>Bioresource Technology</i> , 2020, 299, 122601.	4.8	41
15	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.	2.6	40
16	Molecular characterization of long-term impacts of macrophytes harvest management in constructed wetlands. <i>Bioresource Technology</i> , 2018, 268, 514-522.	4.8	38
17	Characterization and biogeochemical implications of dissolved organic matter in aquatic environments. <i>Journal of Environmental Management</i> , 2021, 294, 113041.	3.8	38
18	Functions of slags and gravels as substrates in large-scale demonstration constructed wetland systems for polluted river water treatment. <i>Environmental Science and Pollution Research</i> , 2015, 22, 12982-12991.	2.7	36

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19	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.	4.1	34
20	Towards the formulation of rural sewage discharge standards in China. <i>Science of the Total Environment</i> , 2021, 759, 143533.	3.9	31
21	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.	2.6	30
22	Replenishment of landscape water with reclaimed water: Optimization of supply scheme using transparency as an indicator. <i>Ecological Indicators</i> , 2018, 88, 503-511.	2.6	29
23	Solid-state synthesis of cobalt ferrite fitted with Fe^{3+} - Fe_2O_3 -containing nanocage for peroxydisulfate activation and cobalt leaching control. <i>Chemical Engineering Journal</i> , 2021, 405, 126994.	6.6	29
24	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.	4.8	27
25	Long-term impact of primary domestic sewage on metal/lloid 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.	3.9	26
26	Development of a water cycle management approach to Sponge City construction in Xi'an, China. <i>Science of the Total Environment</i> , 2019, 685, 490-496.	3.9	26
27	Dynamic membrane bioreactor performance enhancement by powdered activated carbon addition: Evaluation of sludge morphological, aggregative and microbial properties. <i>Journal of Environmental Sciences</i> , 2019, 75, 73-83.	3.2	26
28	Characterization of dissolved organic matter and carbon release from wetland plants for enhanced nitrogen removal in constructed wetlands for low C/N wastewater treatment. <i>Chemosphere</i> , 2021, 273, 129630.	4.2	26
29	Design influence and evaluation model of bioretention in rainwater treatment: A review. <i>Science of the Total Environment</i> , 2021, 787, 147592.	3.9	26
30	On the risks from sediment and overlying water by replenishing urban landscape ponds with reclaimed wastewater. <i>Environmental Pollution</i> , 2018, 236, 488-497.	3.7	25
31	Effects of plants competition on critical bacteria selection and pollutants dynamics in a long-term polyculture constructed wetland. <i>Bioresource Technology</i> , 2020, 316, 123927.	4.8	25
32	Microbial community and carbon-nitrogen metabolism pathways in integrated vertical flow constructed wetlands treating wastewater containing antibiotics. <i>Bioresource Technology</i> , 2022, 354, 127217.	4.8	25
33	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.	2.7	22
34	Phytoremediation mechanisms and plant eco-physiological response to microorganic contaminants in integrated vertical-flow constructed wetlands. <i>Journal of Hazardous Materials</i> , 2022, 424, 127611.	6.5	21
35	Assessment of long-term phosphorus retention in an integrated constructed wetland treating domestic wastewater. <i>Environmental Science and Pollution Research</i> , 2015, 22, 305-313.	2.7	19
36	Performance of a pilot demonstration-scale hybrid constructed wetland system for on-site treatment of polluted urban river water in Northwestern China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 447-454.	2.7	19

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37	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.	3.8	19
38	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, 904-912.	1.2	18
39	Uptake and Release of Sequestered Nutrient in Subtropical Monsoon Ecological Ditch Plant Species. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	18
40	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, 742-750.	0.9	17
41	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.	4.8	17
42	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.	3.9	16
43	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.	1.0	15
44	Characterising infiltration and contaminant migration beneath earthen-lined integrated constructed wetlands. <i>Ecological Engineering</i> , 2012, 41, 41-51.	1.6	14
45	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.	3.3	14
46	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, 6760.	1.2	14
47	Nitrogen transformations and mass balance in an integrated constructed wetland treating domestic wastewater. <i>Water Science and Technology</i> , 2014, 70, 1496-1502.	1.2	13
48	Groundwater Quality Impacts from a Full-Scale Integrated Constructed Wetland. <i>Ground Water Monitoring and Remediation</i> , 2014, 34, 51-64.	0.6	13
49	Source-Associated Gastroenteritis Risk from Swimming Exposure to Aging Fecal Pathogens. <i>Environmental Science & Technology</i> , 2020, 54, 921-929.	4.6	13
50	Genetic characterization of fecal impacts of seagull migration on an urban scenery lake. <i>Water Research</i> , 2017, 117, 27-36.	5.3	11
51	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.	2.7	11
52	Performance of various fillers in ecological floating beds planted with <i>Myriophyllum aquaticum</i> treating municipal wastewater. <i>Science of the Total Environment</i> , 2022, 842, 156827.	3.9	11
53	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.	3.2	10
54	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.	1.8	10

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55	Solar irradiation-induced photochemical processing of dissolved organic matter in reclaimed water. <i>Journal of Water Process Engineering</i> , 2022, 46, 102544.	2.6	10
56	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.	2.6	10
57	Assessment of plants radial oxygen loss for nutrients and organic matter removal in full-scale constructed wetlands treating municipal effluents. <i>Bioresource Technology</i> , 2022, 360, 127545.	4.8	10
58	Phosphorus retention and mass balance in an integrated constructed wetland treating domestic wastewater. <i>Water and Environment Journal</i> , 2015, 29, 298-306.	1.0	9
59	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, 2644-2653.	1.2	9
60	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.	1.2	9
61	Galvanic corrosion of zero-valent iron to intensify Fe ²⁺ generation for peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2021, 417, 128023.	6.6	8
62	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> , 2022, 811, 151416.	3.9	8
63	Adaptive neuro-fuzzy inference system for real-time monitoring of integrated-constructed wetlands. <i>Water Science and Technology</i> , 2015, 71, 22-30.	1.2	6
64	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.	1.0	6
65	Anaerobic membrane bioreactors for domestic wastewater treatment. , 2020, , 143-165.		6
66	Integrated environmental influences quantification of pilot-scale constructed wetlands based on modified ecological footprint assessment. <i>Science of the Total Environment</i> , 2022, 843, 157039.	3.9	6
67	Photochemical behavior of constructed wetlands-derived dissolved organic matter and its effects on Bisphenol A photodegradation in secondary treated wastewater. <i>Science of the Total Environment</i> , 2022, 845, 157300.	3.9	6
68	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.	2.6	4
69	Enantioselectivity and mechanisms of chiral herbicide biodegradation in hydroponic systems. <i>Chemosphere</i> , 2022, 307, 135701.	4.2	3
70	Role of divalent metals Cu ²⁺ and Zn ²⁺ in <i>Microcystis aeruginosa</i> proliferation and production of toxic microcystins. <i>Toxicon</i> , 2019, 170, 51-59.	0.8	2
71	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.	3.8	1
72	Constructed wetlands for urban water ecological improvement. , 2021, , 383-414.		0