

Yasser Mahmoud Awad

List of Publications by Year in Descending Order

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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.

37
papers

1,536
citations

18
h-index

38
g-index

38
ext. papers

1,799
ext. citations

4.3
avg, IF

4.83
L-index

#	Paper	IF	Citations
37	Carbon sequestration value of biosolids applied to soil: A global meta-analysis. <i>Journal of Environmental Management</i> , 2021 , 284, 112008	7.9	6
36	The potential neuroprotective role of <i>Amphora coffeaeformis</i> algae against monosodium glutamate-induced neurotoxicity in adult albino rats. <i>Food and Function</i> , 2021 , 12, 706-716	6.1	3
35	(Im)mobilization and speciation of lead under dynamic redox conditions in a contaminated soil amended with pine sawdust biochar. <i>Environment International</i> , 2020 , 135, 105376	12.9	33
34	Impact of biochar on mobilization, methylation, and ethylation of mercury under dynamic redox conditions in a contaminated floodplain soil. <i>Environment International</i> , 2019 , 127, 276-290	12.9	54
33	Exogenous application of β -sitosterol mediated growth and yield improvement in water-stressed wheat (<i>Triticum aestivum</i>) involves up-regulated antioxidant system. <i>Journal of Plant Research</i> , 2019 , 132, 881-901	2.6	34
32	Automatic Sheep Weight Estimation Based on K-Means Clustering and Multiple Linear Regression. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 546-555	0.4	1
31	Impacts of biochar application on upland agriculture: A review. <i>Journal of Environmental Management</i> , 2019 , 234, 52-64	7.9	110
30	Wood biochar produces different rates of root growth and transpiration in two maize hybrids (<i>Zea mays</i> L.) under drought stress. <i>Archives of Agronomy and Soil Science</i> , 2019 , 65, 846-866	2	14
29	Potential toxicity of trace elements and nanomaterials to Chinese cabbage in arsenic- and lead-contaminated soil amended with biochars. <i>Environmental Geochemistry and Health</i> , 2019 , 41, 1777-1791	4.7	15
28	Carbon and nitrogen mineralization and enzyme activities in soil aggregate-size classes: Effects of biochar, oyster shells, and polymers. <i>Chemosphere</i> , 2018 , 198, 40-48	8.4	51
27	Biochar influences soil carbon pools and facilitates interactions with soil: A field investigation. <i>Land Degradation and Development</i> , 2018 , 29, 2162-2171	4.4	64
26	Pine sawdust biomass and biochars at different pyrolysis temperatures change soil redox processes. <i>Science of the Total Environment</i> , 2018 , 625, 147-154	10.2	57
25	Influence of soil properties and feedstocks on biochar potential for carbon mineralization and improvement of infertile soils. <i>Geoderma</i> , 2018 , 332, 100-108	6.7	142
24	Short-term biochar application induced variations in C and N mineralization in a compost-amended tropical soil. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 25715-25725	5.1	11
23	Biochar Effects on Rice Paddy: Meta-analysis. <i>Advances in Agronomy</i> , 2018 , 1-32	7.7	21
22	Effects of biochar and polyacrylamide on decomposition of soil organic matter and ^{14}C -labeled alfalfa residues. <i>Journal of Soils and Sediments</i> , 2017 , 17, 611-620	3.4	11
21	Mobility and phytoavailability of As and Pb in a contaminated soil using pine sawdust biochar under systematic change of redox conditions. <i>Chemosphere</i> , 2017 , 178, 110-118	8.4	185

20	Biochar, a potential hydroponic growth substrate, enhances the nutritional status and growth of leafy vegetables. <i>Journal of Cleaner Production</i> , 2017 , 156, 581-588	10.3	55
19	Interactive effects of biochar and polyacrylamide on decomposition of maize rhizodeposits: implications from ¹⁴ C labeling and microbial metabolic quotient. <i>Journal of Soils and Sediments</i> , 2017 , 17, 621-631	3.4	3
18	Plants Identification Using Feature Fusion Technique and Bagging Classifier. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 461-471	0.4	17
17	Sulphamethazine in poultry manure changes carbon and nitrogen mineralisation in soils. <i>Chemistry and Ecology</i> , 2016 , 32, 899-918	2.3	18
16	Synergy effects of biochar and polyacrylamide on plants growth and soil erosion control. <i>Environmental Earth Sciences</i> , 2015 , 74, 2463-2473	2.9	54
15	Early Detection of Powdery Mildew Disease in Wheat (<i>Triticum aestivum</i> L.) Using Thermal Imaging Technique. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 755-765	0.4	3
14	Monitoring Antibiotic Residues and Corresponding Antibiotic Resistance Genes in an Agroecosystem. <i>Journal of Chemistry</i> , 2015 , 2015, 1-7	2.3	20
13	Climate Recommender System for Wheat Cultivation in North Egyptian Sinai Peninsula. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 121-130	0.4	3
12	Plant pathogen nanodiagnostic techniques: forthcoming changes?. <i>Biotechnology and Biotechnological Equipment</i> , 2014 , 28, 775-785	1.6	88
11	Veterinary antibiotics contamination in water, sediment, and soil near a swine manure composting facility. <i>Environmental Earth Sciences</i> , 2014 , 71, 1433-1440	2.9	118
10	Effects of polyacrylamide, biopolymer and biochar on the decomposition of ¹⁴ C-labelled maize residues and on their stabilization in soil aggregates. <i>European Journal of Soil Science</i> , 2013 , 64, 488-499	3.4	96
9	Effects of polyacrylamide, biopolymer, and biochar on decomposition of soil organic matter and plant residues as determined by ¹⁴ C and enzyme activities. <i>European Journal of Soil Biology</i> , 2012 , 48, 1-10	2.9	133
8	Soil pollution assessment and identification of hyperaccumulating plants in chromated copper arsenate (CCA) contaminated sites, Korea. <i>Chemosphere</i> , 2012 , 87, 872-8	8.4	82
7	Feasibility of Reclaimed Wastewater and Waste Nutrient Solution for Crop Production in Korea. <i>Korean Journal of Environmental Agriculture</i> , 2011 , 30, 118-124	0.6	4
6	Effects of Biochar on Soil Quality and Heavy Metal Availability in a Military Shooting Range Soil in Korea. <i>Hanguk Tŏyang Piryo Hakhoe Chi Hanguk Tŏyang Piryo Hakhoe</i> , 2011 , 44, 67-77	0.2	12
5	Novel Approaches to Monitoring and Remediation of Veterinary Antibiotics in Soil and Water: A Review. <i>Korean Journal of Environmental Agriculture</i> , 2010 , 29, 315-327	0.6	6
4	Synthesis of Nanoscale Zerovalent Iron Particle and Its Application to Cr(VI) Removal from Aqueous Solutions. <i>Korean Journal of Environmental Agriculture</i> , 2010 , 29, 402-407	0.6	5
3	The Effect of Morphactin (Methyl 2-Chloro-9-hydroxyfluorene-9-carboxylate) on the Growth and Anatomical Features in Soybean (<i>Glycine max</i> (L). Merrill) Cultivar. <i>Asian Journal of Plant Sciences</i> , 2009 , 8, 536-543	0.6	1

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| 2 | Environmental Monitoring of Heavy Metals and Arsenic in Soils Adjacent to CCA-Treated Wood Structures in Gangwon Province, South Korea. <i>Korean Journal of Environmental Agriculture</i> , 2009 , 28, 340-346 | 0.6 | 4 |
| 1 | Effects of Flurenol on Soybean (<i>Glycine max</i> L. Merrill) Productivity and Electrophoretic Analysis of Seed and Root Nodule Proteins. <i>Journal of Agronomy</i> , 2009 , 8, 93-99 | 0.4 | 1 |