Yasser Mahmoud Awad

List of Publications by Citations

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	Mobility and phytoavailability of As and Pb in a contaminated soil using pine sawdust biochar under systematic change of redox conditions. *Chemosphere*, **2017**, 178, 110-118	8.4	185
36	Influence of soil properties and feedstocks on biochar potential for carbon mineralization and improvement of infertile soils. *Geoderma*, **2018**, 332, 100-108	6.7	142
35	Effects of polyacrylamide, biopolymer, and biochar on decomposition of soil organic matter and plant residues as determined by 14C and enzyme activities. *European Journal of Soil Biology*, **2012**, 48, 1-10	2.9	133
34	Veterinary antibiotics contamination in water, sediment, and soil near a swine manure composting facility. *Environmental Earth Sciences*, **2014**, 71, 1433-1440	2.9	118
33	Impacts of biochar application on upland agriculture: A review. *Journal of Environmental Management*, **2019**, 234, 52-64	7.9	110
32	Effects of polyacrylamide, biopolymer and biochar on the decomposition of 14C-labelled maize residues and on their stabilization in soil aggregates. *European Journal of Soil Science*, **2013**, 64, 488-499	3.4	96
31	Plant pathogen nanodiagnostic techniques: forthcoming changes?. *Biotechnology and Biotechnological Equipment*, **2014**, 28, 775-785	1.6	88
30	Soil pollution assessment and identification of hyperaccumulating plants in chromated copper arsenate (CCA) contaminated sites, Korea. *Chemosphere*, **2012**, 87, 872-8	8.4	82
29	Biochar influences soil carbon pools and facilitates interactions with soil: A field investigation. *Land Degradation and Development*, **2018**, 29, 2162-2171	4.4	64
28	Pine sawdust biomass and biochars at different pyrolysis temperatures change soil redox processes. *Science of the Total Environment*, **2018**, 625, 147-154	10.2	57
27	Biochar, a potential hydroponic growth substrate, enhances the nutritional status and growth of leafy vegetables. *Journal of Cleaner Production*, **2017**, 156, 581-588	10.3	55
26	Impact of biochar on mobilization, methylation, and ethylation of mercury under dynamic redox conditions in a contaminated floodplain soil. *Environment International*, **2019**, 127, 276-290	12.9	54
25	Synergy effects of biochar and polyacrylamide on plants growth and soil erosion control. *Environmental Earth Sciences*, **2015**, 74, 2463-2473	2.9	54
24	Carbon and nitrogen mineralization and enzyme activities in soil aggregate-size classes: Effects of biochar, oyster shells, and polymers. *Chemosphere*, **2018**, 198, 40-48	8.4	51
23	Exogenous application of β-sitosterol mediated growth and yield improvement in water-stressed wheat (Triticum aestivum) involves up-regulated antioxidant system. *Journal of Plant Research*, **2019**, 132, 881-901	2.6	34
22	(Im)mobilization and speciation of lead under dynamic redox conditions in a contaminated soil amended with pine sawdust biochar. *Environment International*, **2020**, 135, 105376	12.9	33
21	Biochar Effects on Rice Paddy: Meta-analysis. *Advances in Agronomy*, **2018**, 1-32	7.7	21

20	Monitoring Antibiotic Residues and Corresponding Antibiotic Resistance Genes in an Agroecosystem. *Journal of Chemistry*, **2015**, 2015, 1-7	2.3	20
19	Sulphamethazine in poultry manure changes carbon and nitrogen mineralisation in soils. *Chemistry and Ecology*, **2016**, 32, 899-918	2.3	18
18	Plants Identification Using Feature Fusion Technique and Bagging Classifier. *Advances in Intelligent Systems and Computing*, **2016**, 461-471	0.4	17
17	Potential toxicity of trace elements and nanomaterials to Chinese cabbage in arsenic- and lead-contaminated soil amended with biochars. *Environmental Geochemistry and Health*, **2019**, 41, 1777-1791	4.7	15
16	Wood biochar produces different rates of root growth and transpiration in two maize hybrids (Zea mays L.) under drought stress. *Archives of Agronomy and Soil Science*, **2019**, 65, 846-866	2	14
15	Effects of Biochar on Soil Quality and Heavy Metal Availability in a Military Shooting Range Soil in Korea. *Hanguk Tuyang Piryo Hakhoe Chi Hanguk Tuyang Piryo Hakhoe*, **2011**, 44, 67-77	0.2	12
14	Effects of biochar and polyacrylamide on decomposition of soil organic matter and 14C-labeled alfalfa residues. *Journal of Soils and Sediments*, **2017**, 17, 611-620	3.4	11
13	Short-term biochar application induced variations in C and N mineralization in a compost-amended tropical soil. *Environmental Science and Pollution Research*, **2018**, 25, 25715-25725	5.1	11
12	Novel Approaches to Monitoring and Remediation of Veterinary Antibiotics in Soil and Water: A Review. *Korean Journal of Environmental Agriculture*, **2010**, 29, 315-327	0.6	6
11	Carbon sequestration value of biosolids applied to soil: A global meta-analysis. *Journal of Environmental Management*, **2021**, 284, 112008	7.9	6
10	Synthesis of Nanoscale Zerovalent Iron Particle and Its Application to Cr(VI) Removal from Aqueous Solutions. *Korean Journal of Environmental Agriculture*, **2010**, 29, 402-407	0.6	5
9	Environmental Monitoring of Heavy Metals and Arsenic in Soils Adjacent to CCA-Treated Wood Structures in Gangwon Province, South Korea. *Korean Journal of Environmental Agriculture*, **2009**, 28, 340-346	0.6	4
8	Feasibility of Reclaimed Wastewater and Waste Nutrient Solution for Crop Production in Korea. *Korean Journal of Environmental Agriculture*, **2011**, 30, 118-124	0.6	4
7	Early Detection of Powdery Mildew Disease in Wheat (Triticum aestivum L.) Using Thermal Imaging Technique. *Advances in Intelligent Systems and Computing*, **2015**, 755-765	0.4	3
6	Climate Recommender System for Wheat Cultivation in North Egyptian Sinai Peninsula. *Advances in Intelligent Systems and Computing*, **2014**, 121-130	0.4	3
5	Interactive effects of biochar and polyacrylamide on decomposition of maize rhizodeposits: implications from 14C labeling and microbial metabolic quotient. *Journal of Soils and Sediments*, **2017**, 17, 621-631	3.4	3
4	The potential neuroprotective role of Amphora coffeaeformis algae against monosodium glutamate-induced neurotoxicity in adult albino rats. *Food and Function*, **2021**, 12, 706-716	6.1	3
3	The Effect of Morphactin (Methyl 2-Chloro-9-hydroxyfluorene-9-carboxylate) on the Growth and Anatomical Features in Soybean (Glycine max (L). Merril) Cultivar. *Asian Journal of Plant Sciences*, **2009**, 8, 536-543	0.6	1

2	Automatic Sheep Weight Estimation Based on K-Means Clustering and Multiple Linear Regression. *Advances in Intelligent Systems and Computing*, **2019**, 546-555	0.4	1
1	Effects of Flurenol on Soybean (Glycine max L. Merrill) Productivity and Electrophoretic Analysis of Seed and Root Nodule Proteins. *Journal of Agronomy*, **2009**, 8, 93-99	0.4	1