

# Yasser Mahmoud Awad

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

2,115  
citations

361296

20  
h-index

315616

38  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2734  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.2	231
2	Influence of soil properties and feedstocks on biochar potential for carbon mineralization and improvement of infertile soils. <i>Geoderma</i> , 2018, 332, 100-108.	2.3	206
3	Impacts of biochar application on upland agriculture: A review. <i>Journal of Environmental Management</i> , 2019, 234, 52-64.	3.8	184
4	Veterinary antibiotics contamination in water, sediment, and soil near a swine manure composting facility. <i>Environmental Earth Sciences</i> , 2014, 71, 1433-1440.	1.3	159
5	Effects of polyacrylamide, biopolymer, and biochar on decomposition of soil organic matter and plant residues as determined by $^{14}\text{C}$ and enzyme activities. <i>European Journal of Soil Biology</i> , 2012, 48, 1-10.	1.4	147
6	Effects of polyacrylamide, biopolymer and biochar on the decomposition of $^{14}\text{C}$ -labelled maize residues and on their stabilization in soil aggregates. <i>European Journal of Soil Science</i> , 2013, 64, 488-499.	1.8	114
7	Plant pathogen nanodiagnostic techniques: forthcoming changes?. <i>Biotechnology and Biotechnological Equipment</i> , 2014, 28, 775-785.	0.5	110
8	Soil pollution assessment and identification of hyperaccumulating plants in chromated copper arsenate (CCA) contaminated sites, Korea. <i>Chemosphere</i> , 2012, 87, 872-878.	4.2	98
9	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.	4.8	92
10	Biochar influences soil carbon pools and facilitates interactions with soil: A field investigation. <i>Land Degradation and Development</i> , 2018, 29, 2162-2171.	1.8	89
11	Synergy effects of biochar and polyacrylamide on plants growth and soil erosion control. <i>Environmental Earth Sciences</i> , 2015, 74, 2463-2473.	1.3	82
12	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.	4.6	79
13	Pine sawdust biomass and biochars at different pyrolysis temperatures change soil redox processes. <i>Science of the Total Environment</i> , 2018, 625, 147-154.	3.9	75
14	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.	4.2	73
15	(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.	4.8	63
16	Exogenous application of $\beta$ -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.	1.2	46
17	Biochar Effects on Rice Paddy: Meta-analysis. <i>Advances in Agronomy</i> , 2018, , 1-32.	2.4	35
18	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.	1.8	24

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19	Monitoring Antibiotic Residues and Corresponding Antibiotic Resistance Genes in an Agroecosystem. <i>Journal of Chemistry</i> , 2015, 2015, 1-7.	0.9	22
20	Sulphamethazine in poultry manure changes carbon and nitrogen mineralisation in soils. <i>Chemistry and Ecology</i> , 2016, 32, 899-918.	0.6	21
21	Plants Identification Using Feature Fusion Technique and Bagging Classifier. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 461-471.	0.5	21
22	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.	2.7	20
23	Effects of Biochar on Soil Quality and Heavy Metal Availability in a Military Shooting Range Soil in Korea. <i>Han'guk T'oyang Piryo Hakhoe Chi Han'guk T'oyang Piryo Hakhoe</i> , 2011, 44, 67-77.	0.1	20
24	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.	1.3	18
25	Carbon sequestration value of biosolids applied to soil: A global meta-analysis. <i>Journal of Environmental Management</i> , 2021, 284, 112008.	3.8	18
26	Effects of biochar and polyacrylamide on decomposition of soil organic matter and <sup>14</sup> C-labeled alfalfa residues. <i>Journal of Soils and Sediments</i> , 2017, 17, 611-620.	1.5	14
27	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.	2.1	7
28	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.	0.0	7
29	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.	0.5	6
30	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.	0.0	6
31	Climate Recommender System for Wheat Cultivation in North Egyptian Sinai Peninsula. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 121-130.	0.5	5
32	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.	0.0	5
33	Feasibility of Reclaimed Wastewater and Waste Nutrient Solution for Crop Production in Korea. <i>Korean Journal of Environmental Agriculture</i> , 2011, 30, 118-124.	0.0	5
34	Interactive effects of biochar and polyacrylamide on decomposition of maize rhizodeposits: implications from <sup>14</sup> C labeling and microbial metabolic quotient. <i>Journal of Soils and Sediments</i> , 2017, 17, 621-631.	1.5	4
35	Automatic Sheep Weight Estimation Based on K-Means Clustering and Multiple Linear Regression. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 546-555.	0.5	3
36	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.	0.2	3

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37	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	2