

Mahmoud F Seleiman

List of Publications by Year in descending order

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61
papers

3,466
citations

136885

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times ranked

2015
citing authors

#	ARTICLE	IF	CITATIONS
1	Drought Stress Impacts on Plants and Different Approaches to Alleviate Its Adverse Effects. <i>Plants</i> , 2021, 10, 259.	1.6	566
2	Plant growth promoting rhizobacteria alleviates drought stress in potato in response to suppressive oxidative stress and antioxidant enzymes activities. <i>Scientific Reports</i> , 2020, 10, 16975.	1.6	179
3	Recycling sludge on cropland as fertilizer “ Advantages and risks. <i>Resources, Conservation and Recycling</i> , 2020, 155, 104647.	5.3	159
4	Nano-Fertilization as an Emerging Fertilization Technique: Why Can Modern Agriculture Benefit from Its Use?. <i>Plants</i> , 2021, 10, 2.	1.6	156
5	Mitigation of Heat Stress in <i>Solanum lycopersicum</i> L. by ACC-deaminase and Exopolysaccharide Producing <i>Bacillus cereus</i> : Effects on Biochemical Profiling. <i>Sustainability</i> , 2020, 12, 2159.	1.6	133
6	Biochar and Its Broad Impacts in Soil Quality and Fertility, Nutrient Leaching and Crop Productivity: A Review. <i>Agronomy</i> , 2021, 11, 993.	1.3	129
7	Minimizing Adverse Effects of Pb on Maize Plants by Combined Treatment with Jasmonic, Salicylic Acids and Proline. <i>Agronomy</i> , 2020, 10, 699.	1.3	104
8	A vermicompost and deep tillage system to improve saline-sodic soil quality and wheat productivity. <i>Journal of Environmental Management</i> , 2021, 277, 111388.	3.8	96
9	Chromium resistant microbes and melatonin reduced Cr uptake and toxicity, improved physio-biochemical traits and yield of wheat in contaminated soil. <i>Chemosphere</i> , 2020, 250, 126239.	4.2	91
10	Glycine Betaine Accumulation, Significance and Interests for Heavy Metal Tolerance in Plants. <i>Plants</i> , 2020, 9, 896.	1.6	84
11	Saline soil properties, quality and productivity of wheat grown with bagasse ash and thiourea in different climatic zones. <i>Chemosphere</i> , 2018, 193, 538-546.	4.2	78
12	Modeling the combined impacts of deficit irrigation, rising temperature and compost application on wheat yield and water productivity. <i>Agricultural Water Management</i> , 2021, 244, 106626.	2.4	78
13	Effects of ZnO Nanoparticles and Biochar of Rice Straw and Cow Manure on Characteristics of Contaminated Soil and Sunflower Productivity, Oil Quality, and Heavy Metals Uptake. <i>Agronomy</i> , 2020, 10, 790.	1.3	75
14	Maize productivity, heavy metals uptake and their availability in contaminated clay and sandy alkaline soils as affected by inorganic and organic amendments. <i>Chemosphere</i> , 2018, 204, 514-522.	4.2	74
15	Assessing the Correlations between Different Traits in Copper-Sensitive and Copper-Resistant Varieties of Jute (<i>Corchorus capsularis</i> L.). <i>Plants</i> , 2019, 8, 545.	1.6	68
16	Influence of Nano Silicon and Nano Selenium on Root Characters, Growth, Ion Selectivity, Yield, and Yield Components of Rice (<i>Oryza sativa</i> L.) under Salinity Conditions. <i>Plants</i> , 2021, 10, 1657.	1.6	67
17	Exogenous Potassium Treatments Elevate Salt Tolerance and Performances of <i>Glycine max</i> L. by Boosting Antioxidant Defense System under Actual Saline Field Conditions. <i>Agronomy</i> , 2020, 10, 1741.	1.3	65
18	Integrated Application of Selenium and Silicon Enhances Growth and Anatomical Structure, Antioxidant Defense System and Yield of Wheat Grown in Salt-Stressed Soil. <i>Plants</i> , 2021, 10, 1040.	1.6	63

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19	Will novel coronavirus (Covid-19) pandemic impact agriculture, food security and animal sectors?. <i>Bioscience Journal</i> , 2020, 36, .	0.4	63
20	Comparing the performance of four macrophytes in bacterial assisted floating treatment wetlands for the removal of trace metals (Fe, Mn, Ni, Pb, and Cr) from polluted river water. <i>Chemosphere</i> , 2020, 243, 125353.	4.2	60
21	Morphological and Genetic Diversity within Salt Tolerance Detection in Eighteen Wheat Genotypes. <i>Plants</i> , 2020, 9, 287.	1.6	60
22	Field Crop Responses and Management Strategies to Mitigate Soil Salinity in Modern Agriculture: A Review. <i>Agronomy</i> , 2021, 11, 2299.	1.3	59
23	Sequential Application of Antioxidants Rectifies Ion Imbalance and Strengthens Antioxidant Systems in Salt-Stressed Cucumber. <i>Plants</i> , 2020, 9, 1783.	1.6	58
24	Biomass yield and quality of bioenergy crops grown with synthetic and organic fertilizers. <i>Biomass and Bioenergy</i> , 2013, 59, 477-485.	2.9	57
25	Detecting Salt Tolerance in Doubled Haploid Wheat Lines. <i>Agronomy</i> , 2019, 9, 211.	1.3	57
26	Feedstock quality and growth of bioenergy crops fertilized with sewage sludge. <i>Chemosphere</i> , 2012, 89, 1211-1217.	4.2	56
27	Integrative Effects of Rice-Straw Biochar and Silicon on Oil and Seed Quality, Yield and Physiological Traits of <i>Helianthus annuus</i> L. Grown under Water Deficit Stress. <i>Agronomy</i> , 2019, 9, 637.	1.3	55
28	Phylogenetic Diversity of <i>Trichoderma</i> Strains and Their Antagonistic Potential against Soil-Borne Pathogens under Stress Conditions. <i>Biology</i> , 2020, 9, 189.	1.3	54
29	Improved sustainability of feedstock production with sludge and interacting mycorrhiza. <i>Chemosphere</i> , 2013, 91, 1236-1242.	4.2	40
30	Glycine-betaine induced salinity tolerance in maize by regulating the physiological attributes, antioxidant defense system and ionic homeostasis. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021, 49, 12248.	0.5	39
31	Additions of optimum water, spent mushroom compost and wood biochar to improve the growth performance of <i>Althaea rosea</i> in drought-prone coal-mined spoils. <i>Journal of Environmental Management</i> , 2021, 295, 113076.	3.8	37
32	Management Strategies to Mitigate N ₂ O Emissions in Agriculture. <i>Life</i> , 2022, 12, 439.	1.1	37
33	Chemical composition and in vitro digestibility of whole-crop maize fertilized with synthetic fertilizer or digestate and harvested at two maturity stages in Boreal growing conditions. <i>Agricultural and Food Science</i> , 2017, 26, 47.	0.3	35
34	Enhancing antioxidant defense system of mung bean with a salicylic acid exogenous application to mitigate cadmium toxicity. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021, 49, 12303.	0.5	33
35	Activated Yeast Extract Enhances Growth, Anatomical Structure, and Productivity of <i>Lupinus termis</i> L. Plants under Actual Salinity Conditions. <i>Agronomy</i> , 2021, 11, 74.	1.3	29
36	Impact of Dietary Supplementation with <i>Moringa oleifera</i> Leaves on Performance, Meat Characteristics, Oxidative Stability, and Fatty Acid Profile in Growing Rabbits. <i>Animals</i> , 2021, 11, 248.	1.0	27

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37	The Integrative Effects of Biochar and ZnO Nanoparticles for Enhancing Rice Productivity and Water Use Efficiency under Irrigation Deficit Conditions. <i>Plants</i> , 2022, 11, 1416.	1.6	27
38	Exploring Optimal Tillage Improved Soil Characteristics and Productivity of Wheat Irrigated with Different Water Qualities. <i>Agronomy</i> , 2019, 9, 233.	1.3	26
39	Interaction Effects of Nitrogen Source and Irrigation Regime on Tuber Quality, Yield, and Water Use Efficiency of <i>Solanum tuberosum</i> L.. <i>Plants</i> , 2020, 9, 110.	1.6	26
40	Calibration and Validation of AQUACROP and APSIM Models to Optimize Wheat Yield and Water Saving in Arid Regions. <i>Land</i> , 2021, 10, 1375.	1.2	23
41	Unveiling the Potential of Novel Macrophytes for the Treatment of Tannery Effluent in Vertical Flow Pilot Constructed Wetlands. <i>Water (Switzerland)</i> , 2020, 12, 549.	1.2	22
42	Impacts of Long- and Short-Term of Irrigation with Treated Wastewater and Synthetic Fertilizers on the Growth, Biomass, Heavy Metal Content, and Energy Traits of Three Potential Bioenergy Crops in Arid Regions. <i>Energies</i> , 2021, 14, 3037.	1.6	22
43	Effect of Organic, Inorganic and Bio-fertilization on Growth, Yield and Quality Traits of Some Chickpea (<i>Cicer arietinum</i> ÅL) Varieties. <i>Egyptian Journal of Agronomy</i> , 2018, 40, 105-117.	0.3	21
44	Sugarcane Distillery Spent Wash (DSW) as a Bio-Nutrient Supplement: A Win-Win Option for Sustainable Crop Production. <i>Agronomy</i> , 2021, 11, 183.	1.3	19
45	Biological Control of Celery Powdery Mildew Disease Caused by <i>Erysiphe heraclei</i> DC In Vitro and In Vivo Conditions. <i>Plants</i> , 2021, 10, 2342.	1.6	17
46	Effect of Gypsum Application and Irrigation Intervals on Clay Saline-Sodic Soil Characterization, Rice Water Use Efficiency, Growth, and Yield. <i>Journal of Agricultural Science</i> , 2015, 7, 208.	0.1	16
47	Can Symbiotic Bacteria (<i>Xenorhabdus</i> and <i>Photorhabdus</i>) Be More Efficient than Their Entomopathogenic Nematodes against <i>Pieris rapae</i> and <i>Pentodon algerinus</i> Larvae?. <i>Biology</i> , 2021, 10, 999.	1.3	16
48	Combining Genetic and Multidimensional Analyses to Identify Interpretive Traits Related to Water Shortage Tolerance as an Indirect Selection Tool for Detecting Genotypes of Drought Tolerance in Wheat Breeding. <i>Plants</i> , 2021, 10, 931.	1.6	15
49	Utilizing Ureaâ€“Chitosan Nanohybrid for Minimizing Synthetic Urea Application and Maximizing <i>Oryza sativa</i> L. Productivity and N Uptake. <i>Agriculture (Switzerland)</i> , 2022, 12, 944.	1.4	15
50	Integrative Effects of Treated Wastewater and Synthetic Fertilizers on Productivity, Energy Characteristics, and Elements Uptake of Potential Energy Crops in an Arid Agro-Ecosystem. <i>Agronomy</i> , 2021, 11, 2250.	1.3	14
51	Phytochemical Removal of Heavy Metal-Contaminated Soils. <i>Soil Biology</i> , 2015, , 299-309.	0.6	12
52	Use of Plant Nutrients in Improving Abiotic Stress Tolerance in Wheat. , 2019, , 481-495.		11
53	Agronomic and genetic approaches for enhancing tolerance to heat stress in rice: a review. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021, 49, 12501.	0.5	11
54	Azolla Compost as an Approach for Enhancing Growth, Productivity and Nutrient Uptake of <i>Oryza sativa</i> L.. <i>Agronomy</i> , 2022, 12, 416.	1.3	7

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55	Soil Xenobiotics and Their Phyto-chemical Remediation. <i>Soil Biology</i> , 2017, , 267-280.	0.6	6
56	Phytoremediation of Metal and Metalloids from Contaminated Soil. , 2018, , 249-262.		6
57	Effects of perennial biomass yield energy grasses and fertilization on soil characteristics and nutrient balances. <i>Agronomy Journal</i> , 2021, 113, 4292.	0.9	6
58	Corn and Wheat Residue Management Effects on Greenhouse Gas Emissions in the Mid-Atlantic USA. <i>Land</i> , 2022, 11, 846.	1.2	4
59	Effect of Gypsum, Sulfuric Acid, Nano-Zeolite Application on Saline-Sodic Soil Properties and Wheat Productivity under Different Tillage Types. <i>Journal of Soil Sciences and Agricultural Engineering</i> , 2018, 9, 829-838.	0.0	2
60	Relationship between organic matter and microbial biomass in different vegetation types. , 2022, , 225-245.		1
61	Effect of sludge on germination and growth of bioenergy crops. <i>Suomen Maataloustieteellisen Seuran Tiedote</i> , 2012, , 1-4.	0.0	0