

El-Sayed M Desoky

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/799560/publications.pdf>

Version: 2024-02-01

53
papers

2,203
citations

212478

28
h-index

274796

44
g-index

54
all docs

54
docs citations

54
times ranked

1315
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of microbial inoculants for biological control, plant growth promotion, and sustainable agriculture: A review. <i>European Journal of Plant Pathology</i> , 2022, 162, 759-792.	0.8	119
2	Impact of Exogenously Sprayed Antioxidants on Physio-Biochemical, Agronomic, and Quality Parameters of Potato in Salt-Affected Soil. <i>Plants</i> , 2022, 11, 210.	1.6	14
3	Integrative Seed and Leaf Treatment with Ascorbic Acid Extends the Planting Period by Improving Tolerance to Late Sowing Influences in Parsley. <i>Horticulturae</i> , 2022, 8, 334.	1.2	3
4	Global patterns of soil gross immobilization of ammonium and nitrate in terrestrial ecosystems. <i>Global Change Biology</i> , 2022, 28, 4472-4488.	4.2	42
5	Traditional, Modern, and Molecular Strategies for Improving the Efficiency of Nitrogen Use in Crops for Sustainable Agriculture: a Fresh Look at an Old Issue. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 3130-3156.	1.7	8
6	Sub-Saharan Africa's food nitrogen and phosphorus footprints: A scenario analysis for 2050. <i>Science of the Total Environment</i> , 2021, 752, 141964.	3.9	18
7	The nitrogen and phosphorus footprints of food products in Yemen over the last 57 years. <i>Environmental Science and Pollution Research</i> , 2021, 28, 26500-26514.	2.7	0
8	The food nitrogen footprint for African countries under fertilized and unfertilized farms. <i>Journal of Environmental Management</i> , 2021, 279, 111599.	3.8	15
9	Exogenously Used 24-Epibrassinolide Promotes Drought Tolerance in Maize Hybrids by Improving Plant and Water Productivity in an Arid Environment. <i>Plants</i> , 2021, 10, 354.	1.6	60
10	Mitigate nitrate contamination in potato tubers and increase nitrogen recovery by combining dicyandiamide, moringa oil and zeolite with nitrogen fertilizer. <i>Ecotoxicology and Environmental Safety</i> , 2021, 209, 111839.	2.9	10
11	Identifying drought-tolerant genotypes of faba bean and their agro-physiological responses to different water regimes in an arid Mediterranean environment. <i>Agricultural Water Management</i> , 2021, 247, 106754.	2.4	49
12	Silymarin-Enriched Biostimulant Foliar Application Minimizes the Toxicity of Cadmium in Maize by Suppressing Oxidative Stress and Elevating Antioxidant Gene Expression. <i>Biomolecules</i> , 2021, 11, 465.	1.8	41
13	The use of biological selenium nanoparticles to suppress <i>Triticum aestivum</i> L. crown and root rot diseases induced by <i>Fusarium</i> species and improve yield under drought and heat stress. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 4461-4471.	1.8	119
14	Physiological and Biochemical Mechanisms of Exogenously Applied Selenium for Alleviating Destructive Impacts Induced by Salinity Stress in Bread Wheat. <i>Agronomy</i> , 2021, 11, 926.	1.3	42
15	Foliar Nourishment with Nano-Selenium Dioxide Promotes Physiology, Biochemistry, Antioxidant Defenses, and Salt Tolerance in <i>Phaseolus vulgaris</i> . <i>Plants</i> , 2021, 10, 1189.	1.6	41
16	Impact of wastewater discharge on the plant diversity, community structure and heavy metal pollution of range plants in eastern Saudi Arabia. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 7367-7372.	1.8	3
17	Callus induction and regeneration in sugarcane under drought stress. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 7432-7442.	1.8	4
18	Control of foliar phytoparasitic nematodes through sustainable natural materials: Current progress and challenges. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 7314-7326.	1.8	20

#	ARTICLE	IF	CITATIONS
19	Comprehensive genome wide identification and expression analysis of MTP gene family in tomato (<i>Solanum lycopersicum</i>) under multiple heavy metal stress. Saudi Journal of Biological Sciences, 2021, 28, 6946-6956.	1.8	25
20	Vital roles of sustainable nano-fertilizers in improving plant quality and quantity-an updated review. Saudi Journal of Biological Sciences, 2021, 28, 7349-7359.	1.8	91
21	Biological silicon nanoparticles improve <i>Phaseolus vulgaris</i> L. yield and minimize its contaminant contents on a heavy metals-contaminated saline soil. Journal of Environmental Sciences, 2021, 106, 1-14.	3.2	125
22	Physio-Biochemical and Agronomic Responses of Faba Beans to Exogenously Applied Nano-Silicon Under Drought Stress Conditions. Frontiers in Plant Science, 2021, 12, 637783.	1.7	42
23	Application of biostimulants promotes growth and productivity by fortifying the antioxidant machinery and suppressing oxidative stress in faba bean under various abiotic stresses. Scientia Horticulturae, 2021, 288, 110340.	1.7	49
24	Inheritance of resistance against northern leaf blight of maize using conventional breeding methods. Saudi Journal of Biological Sciences, 2021, 29, 1747-1759.	1.8	14
25	Foliar Supplementation of Clove Fruit Extract and Salicylic Acid Maintains the Performance and Antioxidant Defense System of <i>Solanum tuberosum</i> L. under Deficient Irrigation Regimes. Horticulturae, 2021, 7, 435.	1.2	8
26	Genotoxicity assessment of amino zinc nanoparticles in wheat (<i>Triticum aestivum</i> L.) as cytogenetical perspective. Saudi Journal of Biological Sciences, 2021, 29, 2306-2313.	1.8	16
27	Enhancement of drought tolerance in diverse <i>Vicia faba</i> cultivars by inoculation with plant growth-promoting rhizobacteria under newly reclaimed soil conditions. Scientific Reports, 2021, 11, 24142.	1.6	36
28	Integrative application of licorice root extract or lipoic acid with fulvic acid improves wheat production and defenses under salt stress conditions. Ecotoxicology and Environmental Safety, 2020, 190, 110144.	2.9	38
29	Multidimensional Evaluation for Detecting Salt Tolerance of Bread Wheat Genotypes Under Actual Saline Field Growing Conditions. Plants, 2020, 9, 1324.	1.6	63
30	Plant growth-promoting rhizobacteria: Potential improvement in antioxidant defense system and suppression of oxidative stress for alleviating salinity stress in <i>Triticum aestivum</i> (L.) plants. Biocatalysis and Agricultural Biotechnology, 2020, 30, 101878.	1.5	66
31	Pumpkin seed protein hydrolysate treatment alleviates salt stress effects on <i>Phaseolus vulgaris</i> by elevating antioxidant capacity and recovering ion homeostasis. Scientia Horticulturae, 2020, 271, 109495.	1.7	41
32	Fennel and ammi seed extracts modulate antioxidant defence system and alleviate salinity stress in cowpea (<i>Vigna unguiculata</i>). Scientia Horticulturae, 2020, 272, 109576.	1.7	42
33	Mitigating nitrate accumulation in potato tubers under optimum nitrogen fertilization with K-humate and calcium chloride. Journal of Cleaner Production, 2020, 259, 121108.	4.6	14
34	Heavy metals-resistant bacteria (HM-RB): Potential bioremediators of heavy metals-stressed <i>Spinacia oleracea</i> plant. Ecotoxicology and Environmental Safety, 2020, 198, 110685.	2.9	78
35	Improvement of drought tolerance in five different cultivars of <i>Vicia faba</i> with foliar application of ascorbic acid or silicon. Spanish Journal of Agricultural Research, 2020, 18, e0802.	0.3	50
36	Maize (<i>Zea mays</i> L.) grains extract mitigates the deleterious effects of salt stress on common bean (<i>Phaseolus vulgaris</i> L.) growth and physiology. Journal of Horticultural Science and Biotechnology, 2019, 94, 777-789.	0.9	50

#	ARTICLE	IF	CITATIONS
37	Stimulating antioxidant defenses, antioxidant gene expression, and salt tolerance in <i>Pisum sativum</i> seedling by pretreatment using licorice root extract (LRE) as an organic biostimulant. <i>Plant Physiology and Biochemistry</i> , 2019, 142, 292-302.	2.8	62
38	Can secondary metabolites extracted from <i>Moringa</i> seeds suppress ammonia oxidizers to increase nitrogen use efficiency and reduce nitrate contamination in potato tubers?. <i>Ecotoxicology and Environmental Safety</i> , 2019, 185, 109689.	2.9	29
39	Interplaying roles of silicon and proline effectively improve salt and cadmium stress tolerance in <i>Phaseolus vulgaris</i> plant. <i>Plant Physiology and Biochemistry</i> , 2019, 139, 558-568.	2.8	113
40	Integrative moringa and licorice extracts application improves <i>Capsicum annum</i> fruit yield and declines its contaminant contents on a heavy metals-contaminated saline soil. <i>Ecotoxicology and Environmental Safety</i> , 2019, 169, 50-60.	2.9	69
41	Can licorice root extract be used as an effective natural biostimulant for salt-stressed common bean plants?. <i>South African Journal of Botany</i> , 2019, 121, 294-305.	1.2	68
42	Humus materials and <i>Moringa</i> (<i>Moringa oleifera</i> Lam.) leaf extract modulate the harmful effect of soil salinity stress in Sudan grass (<i>Sorghum vulgare</i> L.). <i>Egyptian Journal of Agronomy</i> , 2019, .	0.3	2
43	Natural Biostimulants Improve Saline Soil Characteristics and Salt Stressed-Sorghum Performance. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 967-983.	0.6	69
44	Potato tubers contamination with nitrate under the influence of nitrogen fertilizers and spray with molybdenum and salicylic acid. <i>Environmental Science and Pollution Research</i> , 2018, 25, 7076-7089.	2.7	28
45	Does the application of silicon and <i>Moringa</i> seed extract reduce heavy metals toxicity in potato tubers treated with phosphate fertilizers?. <i>Environmental Science and Pollution Research</i> , 2018, 25, 16776-16787.	2.7	20
46	Response of water deficit-stressed <i>Vigna unguiculata</i> performances to silicon, proline or methionine foliar application. <i>Scientia Horticulturae</i> , 2018, 228, 132-144.	1.7	169
47	Effect of Forage <i>Moringa oleifera</i> L. (<i>moringa</i>) on Animal Health and Nutrition and Its Beneficial Applications in Soil, Plants and Water Purification. <i>Agriculture (Switzerland)</i> , 2018, 8, 145.	1.4	63
48	Influencing of Water Stress and Micronutrients on Physio-Chemical Attributes, Yield and Anatomical Features of Common Bean Plants (<i>Phaseolus vulgaris</i> L.). <i>Egyptian Journal of Agronomy</i> , 2017, .	0.3	9
49	Effect of Selenium on Growth, Physiological Aspects and Productivity of Faba Bean (<i>Vicia faba</i> L.). <i>Egyptian Journal of Agronomy</i> , 2017, .	0.3	16
50	Improving the Salinity Tolerance in Wheat Plants Using Salicylic and Ascorbic Acids. <i>Journal of Agricultural Science</i> , 2015, 7, .	0.1	6
51	Licorice Root Extract Boosts <i>&#x2022;Capsicum annum&#x2022;</i> L. Production and Reduces Fruit Contamination on a Heavy Metals-Contaminated Saline Soil. <i>International Letters of Natural Sciences</i> , 0, 73, 1-16.	1.0	6
52	Application of Azoxystrobin Fungicide Improves Drought Tolerance in Tomato, via Enhancing Physio-Biochemical and Anatomical Feature. <i>International Letters of Natural Sciences</i> , 0, 76, 34-49.	1.0	1
53	Mitigation of Salinity Stress Effects on Growth, Physio-Chemical Parameters and Yield of Snapbean (<i><i>Phaseolus vulgaris</i></i> L.) by Exogenous Application of Glycine Betaine. <i>International Letters of Natural Sciences</i> , 0, 76, 60-71.	1.0	10