

Arafat Abdel Hamed Abdel Latef

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61

papers

2,183

citations

21

h-index

46

g-index

75

ext. papers

2,939

ext. citations

4

avg, IF

5.9

L-index

#	Paper	IF	Citations
61	Nitric Oxide Mitigates Salt Stress by Regulating Levels of Osmolytes and Antioxidant Enzymes in Chickpea. <i>Frontiers in Plant Science</i> , 2016 , 7, 347	6.2	304
60	Effect of arbuscular mycorrhizal fungi on growth, mineral nutrition, antioxidant enzymes activity and fruit yield of tomato grown under salinity stress. <i>Scientia Horticulturae</i> , 2011 , 127, 228-233	4.1	273
59	The Possible Roles of Priming with ZnO Nanoparticles in Mitigation of Salinity Stress in Lupine (<i>Lupinus termis</i>) Plants. <i>Journal of Plant Growth Regulation</i> , 2017 , 36, 60-70	4.7	171
58	Titanium Dioxide Nanoparticles Improve Growth and Enhance Tolerance of Broad Bean Plants under Saline Soil Conditions. <i>Land Degradation and Development</i> , 2018 , 29, 1065-1073	4.4	141
57	Impacts of Priming with Silicon on the Growth and Tolerance of Maize Plants to Alkaline Stress. <i>Frontiers in Plant Science</i> , 2016 , 7, 243	6.2	130
56	Calcium and Potassium Supplementation Enhanced Growth, Osmolyte Secondary Metabolite Production, and Enzymatic Antioxidant Machinery in Cadmium-Exposed Chickpea (<i>Cicer arietinum</i> L.). <i>Frontiers in Plant Science</i> , 2016 , 7, 513	6.2	128
55	Arbuscular mycorrhizal symbiosis and abiotic stress in plants: A review 2016 , 59, 407-426		123
54	Does Inoculation with <i>Glomus mosseae</i> Improve Salt Tolerance in Pepper Plants?. <i>Journal of Plant Growth Regulation</i> , 2014 , 33, 644-653	4.7	109
53	Arbuscular mycorrhizal influence on growth, photosynthetic pigments, osmotic adjustment and oxidative stress in tomato plants subjected to low temperature stress. <i>Acta Physiologiae Plantarum</i> , 2011 , 33, 1217-1225	2.6	100
52	Influence of arbuscular mycorrhizal fungi and copper on growth, accumulation of osmolyte, mineral nutrition and antioxidant enzyme activity of pepper (<i>Capsicum annum</i> L.). <i>Mycorrhiza</i> , 2011 , 21, 495-503	3.9	53
51	Inoculation with <i>Azospirillum lipoferum</i> or <i>Azotobacter chroococcum</i> Reinforces Maize Growth by Improving Physiological Activities Under Saline Conditions. <i>Journal of Plant Growth Regulation</i> , 2020 , 39, 1293-1306	4.7	50
50	Changes of antioxidative enzymes in salinity tolerance among different wheat cultivars. <i>Cereal Research Communications</i> , 2010 , 38, 43-55	1.1	44
49	Extracts from Yeast and Carrot Roots Enhance Maize Performance under Seawater-Induced Salt Stress by Altering Physio-Biochemical Characteristics of Stressed Plants. <i>Journal of Plant Growth Regulation</i> , 2019 , 38, 966-979	4.7	44
48	<i>Sargassum muticum</i> and <i>Jania rubens</i> regulate amino acid metabolism to improve growth and alleviate salinity in chickpea. <i>Scientific Reports</i> , 2017 , 7, 10537	4.9	40
47	Role of Proteomics in Crop Stress Tolerance. <i>Frontiers in Plant Science</i> , 2016 , 7, 1336	6.2	40
46	Eustress with HO Facilitates Plant Growth by Improving Tolerance to Salt Stress in Two Wheat Cultivars. <i>Plants</i> , 2019 , 8,	4.5	38
45	Ameliorative Impact of an Extract of the Halophyte <i>Arthrocnemum macrostachyum</i> on Growth and Biochemical Parameters of Soybean Under Salinity Stress. <i>Journal of Plant Growth Regulation</i> , 2021 , 40, 1245-1256	4.7	28

44	The Role of Arbuscular Mycorrhizal Fungi in Alleviation of Salt Stress 2014 , 23-38		26
43	Leaf growth and K ⁺ /Na ⁺ ratio as an indication of the salt tolerance of three sorghum cultivars grown under salinity stress and IAA treatment. <i>Acta Agronomica Hungarica: an International Multidisciplinary Journal in Agricultural Science</i> , 2004 , 52, 287-296		26
42	Strategy of Salt Tolerance and Interactive Impact of and/or Inoculation on Canola (L.) Plants Grown in Saline Soil. <i>Plants</i> , 2021 , 10,	4.5	26
41	AMELIORATIVE EFFECT OF CALCIUM CHLORIDE ON GROWTH, ANTIOXIDANT ENZYMES, PROTEIN PATTERNS AND SOME METABOLIC ACTIVITIES OF CANOLA (BRASSICA NAPUS L.) UNDER SEAWATER STRESS. <i>Journal of Plant Nutrition</i> , 2011 , 34, 1303-1320	2.3	22
40	PGPR-Mediated Plant Growth Attributes and Metal Extraction Ability of Sesbania sesban L. in Industrially Contaminated Soils. <i>Agronomy</i> , 2021 , 11, 1820	3.6	18
39	Impact of the Static Magnetic Field on Growth, Pigments, Osmolytes, Nitric Oxide, Hydrogen Sulfide, Phenylalanine Ammonia-Lyase Activity, Antioxidant Defense System, and Yield in Lettuce. <i>Biology</i> , 2020 , 9,	4.9	17
38	Mitigation of Copper Stress in Maize by Inoculation with and. <i>Plants</i> , 2020 , 9,	4.5	14
37	Exogenous glutathione-mediated tolerance to deficit irrigation in salt-affected Capsicum frutescens (L.) plants is connected with higher antioxidant content and ionic homeostasis. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2020 , 48, 1957-1979	1.2	14
36	Hydrogen sulfide priming can enhance the tolerance of artichoke seedlings to individual and combined saline-alkaline and aniline stresses. <i>Plant Physiology and Biochemistry</i> , 2021 , 159, 347-362	5.4	14
35	Impact of Foliar Application of Chitosan Dissolved in Different Organic Acids on Isozymes, Protein Patterns and Physio-Biochemical Characteristics of Tomato Grown under Salinity Stress. <i>Plants</i> , 2021 , 10,	4.5	14
34	The Impact of Priming with Al ₂ O ₃ Nanoparticles on Growth, Pigments, Osmolytes, and Antioxidant Enzymes of Egyptian Roselle (Hibiscus sabdariffa L.) Cultivar. <i>Agronomy</i> , 2020 , 10, 681	3.6	13
33	Exogenous Auxin-Mediated Salt Stress Alleviation in Faba Bean (Vicia faba L.). <i>Agronomy</i> , 2021 , 11, 547	3.6	10
32	Evaluation of Insecticidal Effects of Plants Essential Oils Extracted from Basil, Black Seeds and Lavender against. <i>Plants</i> , 2021 , 10,	4.5	10
31	Mechanistic Insight of Allantoin in Protecting Tomato Plants Against Ultraviolet C Stress. <i>Plants</i> , 2020 , 10,	4.5	9
30	Integrated Effects of Potassium Humate and Planting Density on Growth, Physiological Traits and Yield of Vicia faba L. Grown in Newly Reclaimed Soil. <i>Agronomy</i> , 2021 , 11, 461	3.6	9
29	Efficacy of multi-walled carbon nanotubes in regulating growth performance, total glutathione and redox state of Calendula officinalis L. cultivated on Pb and Cd polluted soil. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 213, 112051	7	9
28	Foliar Application of Auxin or Cytokinin Can Confer Salinity Stress Tolerance in Vicia faba L.. <i>Agronomy</i> , 2021 , 11, 790	3.6	9
27	Chickpea 2015 , 67-79		7

26	Mitigation of salinity stress by exogenous application of cytokinin in faba bean (<i>Vicia faba</i> L.). <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021 , 49, 12192	1.2	7
25	The individual and interactive role of arbuscular mycorrhizal fungi and <i>Trichoderma viride</i> on growth, protein content, amino acids fractionation, and phosphatases enzyme activities of onion plants amended with fish waste. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 214, 112072	7	7
24	Physiological Responses of Salinized Fenugreek (L.) Plants to Foliar Application of Salicylic Acid. <i>Plants</i> , 2021 , 10,	4.5	6
23	Tracking of Zinc Ferrite Nanoparticle Effects on Pea (L.) Plant Growth, Pigments, Mineral Content and Arbuscular Mycorrhizal Colonization. <i>Plants</i> , 2021 , 10,	4.5	6
22	Soybean under abiotic stress 2015 , 28-42		5
21	Yield and Quality of Ratoon Sugarcane Are Improved by Applying Potassium under Irrigation to Potassium Deficient Soils. <i>Agronomy</i> , 2021 , 11, 1381	3.6	5
20	Influence of Glycine Betaine (Natural and Synthetic) on Growth, Metabolism and Yield Production of Drought-Stressed Maize (L.) Plants. <i>Plants</i> , 2021 , 10,	4.5	4
19	Crop Establishment Methods and Weed Management Practices Affect Grain Yield and Weed Dynamics in Temperate Rice. <i>Agronomy</i> , 2021 , 11, 2137	3.6	4
18	Influences of Priming on Selected Physiological Attributes and Protein Pattern Responses of Salinized Wheat with Extracts of <i>Hormophysa cuneiformis</i> and <i>Actinotrichia fragilis</i> . <i>Agronomy</i> , 2021 , 11, 545	3.6	4
17	Salicylic Acid Spraying-Induced Resilience Strategies Against the Damaging Impacts of Drought and/or Salinity Stress in Two Varieties of <i>Vicia faba</i> L. Seedlings. <i>Journal of Plant Growth Regulation</i> ,1	4.7	4
16	Long-Term Zinc Fertilization in Calcareous Soils Improves Wheat (<i>Triticum aestivum</i> L.) Productivity and Soil Zinc Status in the RiceWheat Cropping System. <i>Agronomy</i> , 2021 , 11, 1306	3.6	4
15	Halotolerant- <i>Koccuria rhizophila</i> (14asp)-Induced Amendment of Salt Stress in Pea Plants by Limiting Na ⁺ Uptake and Elevating Production of Antioxidants. <i>Agronomy</i> , 2021 , 11, 1907	3.6	4
14	Heat Stress at Early Reproductive Stage Differentially Alters Several Physiological and Biochemical Traits of Three Tomato Cultivars. <i>Horticulturae</i> , 2021 , 7, 330	2.5	3
13	Phylogeny and Optimization of \square for Chitinase Production: Evaluation of Their Antifungal Behaviour against the Prominent Soil Borne Phyto-Pathogens of Temperate India. <i>Microorganisms</i> , 2021 , 9,	4.9	3
12	Strigolactones: A Novel Carotenoid-Derived Phytohormone \square Biosynthesis, Transporters, Signalling, and Mechanisms in Abiotic Stress 2021 , 275-303		3
11	Legumes and breeding under abiotic stress 2015 , 1-20		2
10	Antioxidants and Bioactive Compounds in Licorice Root Extract Potentially Contribute to Improving Growth, Bulb Quality and Yield of Onion (). <i>Molecules</i> , 2021 , 26,	4.8	2
9	Gibberellins Target Shoot-Root Growth, Morpho-Physiological and Molecular Pathways to Induce Cadmium Tolerance in <i>Vigna radiata</i> L.. <i>Agronomy</i> , 2021 , 11, 896	3.6	2

8	Bioactive Compounds and Antifungal Activity of Leaves and Fruits Methanolic Extracts of L.. <i>Plants</i> , 2022 , 11,	4.5	2
7	Allelopathic Potential of <i>Haloxylon persicum</i> against Wheat and Black Mustard with Special Reference to Its Phytochemical Composition and Antioxidant Activity. <i>Agronomy</i> , 2021 , 11, 244	3.6	1
6	Arbuscular Mycorrhizal Fungi: The Natural Biotechnological Tools for Sustainable Crop Production Under Saline Soils in the Modern Era of Climate Change 2021 , 373-401		1
5	Polyhalite Positively Influences the Growth, Yield and Quality of Sugarcane (<i>Saccharum officinarum</i> L.) in Potassium and Calcium-Deficient Soils in the Semi-Arid Tropics. <i>Sustainability</i> , 2021 , 13, 10689	3.6	1
4	The Effect of Endophytic on Growth, Absorption and Accumulation of Heavy Metals of Grown on Sandy Soil Amended by Sewage Sludge.. <i>Plants</i> , 2021 , 10,	4.5	1
3	Biosorption efficacy of living and non-living algal cells of <i>Microcystis aeruginosa</i> to toxic metals. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021 , 49, 12149	1.2	0
2	Assessing the Adaptive Mechanisms of Two Bread Wheat (<i>Triticum aestivum</i> L.) Genotypes to Salinity Stress. <i>Agronomy</i> , 2021 , 11, 1979	3.6	0
1	UV-Induced Antibacterial Activity of Green-Synthesized TiO ₂ Nanoparticles for the Potential Reuse of Raw Surface and Underground Water. <i>Journal of Plant Growth Regulation</i> ,1	4.7	