Saud Alamri

List of Publications by Year in Descending Order

92 papers	1,572 citations	24 h-index	36 g-index
107 ext. papers	2,526 ext. citations	4.7 avg, IF	5.25 L-index

#	Paper	IF	Citations
92	Exploring the potential effect of Achnatherum splendens L.-derived biochar treated with phosphoric acid on bioavailability of cadmium and wheat growth in contaminated soil.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	11
91	Nickel tolerance and phytoremediation potential of quinoa are modulated under salinity: multivariate comparison of physiological and biochemical attributes.. *Environmental Geochemistry and Health*, **2022**,	4.7	1
90	Molybdenum-induced endogenous nitric oxide (NO) signaling coordinately enhances resilience through chlorophyll metabolism, osmolyte accumulation and antioxidant system in arsenate stressed-wheat (Triticum aestivum L.) seedlings. *Environmental Pollution*, **2022**, 292, 118268	9.3	5
89	Effects of ZnO nanoparticles and its bulk form on growth, antioxidant defense system and expression of oxidative stress related genes in Hordeum vulgare L. *Chemosphere*, **2022**, 287, 132167	8.4	7
88	Biosynthesized gold nanoparticles maintained nitrogen metabolism, nitric oxide synthesis, ions balance, and stabilizes the defense systems to improve salt stress tolerance in wheat. *Chemosphere* , **2022**, 287, 132142	8.4	8
87	Zinc Oxide Nanoparticles Interplay With Physiological and Biochemical Attributes in Terminal Heat Stress Alleviation in Mungbean (L.).. *Frontiers in Plant Science*, **2022**, 13, 842349	6.2	3
86	Iron Oxide and Silicon Nanoparticles Modulate Mineral Nutrient Homeostasis and Metabolism in Cadmium-Stressed .. *Frontiers in Plant Science*, **2022**, 13, 806781	6.2	1
85	Effects of Different Nitrogen Forms and Competitive Treatments on the Growth and Antioxidant System of and Under High Nitrogen Concentrations.. *Frontiers in Plant Science*, **2022**, 13, 851099	6.2	1
84	Calcium Nanoparticles Impregnated With Benzenedicarboxylic Acid: A New Approach to Alleviate Combined Stress of DDT and Cadmium in by Modulating Bioacummulation, Antioxidative Machinery and Osmoregulators.. *Frontiers in Plant Science*, **2022**, 13, 825829	6.2	1
83	Combined Effect of Animal Manures and Di-Ammonium Phosphate (DAP) on Growth, Physiology, Root Nodulation and Yield of Chickpea. *Agronomy*, **2022**, 12, 674	3.6	1
82	Designing novel MgFeO coupled VO nanorod for synergetic photodegradation of tetracycline with enhanced visible-light energy harvesting: Photoluminescence, kinetics, intrinsic mechanism and bactericidal effect.. *Chemosphere*, **2022**, 134012	8.4	1
81	Effect of zinc nanoparticles seed priming and foliar application on the growth and physio-biochemical indices of spinach (Spinacia oleracea L.) under salt stress.. *PLoS ONE*, **2022**, 17, e0263194	3.7	7
80	Nitrogen and potassium application effects on productivity, profitability and nutrient use efficiency of irrigated wheat (Triticum aestivum L.). *PLoS ONE*, **2022**, 17, e0264210	3.7	0
79	Potential Importance of Molybdenum Priming to Metabolism and Nutritive Value of spp. Sprouts. *Plants*, **2021**, 10,	4.5	1
78	Potential Use of as a Biostimulant for Improving the Growth Performance of (Jacq.) Marechal. *Plants*, **2021**, 10,	4.5	1
77	Developmental Stages-Specific Response of Anise Plants to Laser-Induced Growth, Nutrients Accumulation, and Essential Oil Metabolism.. *Plants*, **2021**, 10,	4.5	1
76	Effect of Elevated CO on BiomoleculesTAccumulation in Caraway (L.) Plants at Different Developmental Stages. *Plants*, **2021**, 10,	4.5	3

75	Foliar application of zinc oxide nanoparticles: An effective strategy to mitigate drought stress in cucumber seedling by modulating antioxidant defense system and osmolytes accumulation. *Chemosphere*, **2021**, 289, 133202	8.4	14
74	Iron oxide nanoparticles doped biochar ameliorates trace elements induced phytotoxicity in tomato by modulation of physiological and biochemical responses: Implications for human health risk.. *Chemosphere*, **2021**, 289, 133203	8.4	0
73	Impact of Metal-Based Nanoparticles on Cambisol Microbial Functionality, Enzyme Activity, and Plant Growth. *Plants*, **2021**, 10,	4.5	3
72	Seed Priming with Mg(NO3)2 and ZnSO4 Salts Triggers the Germination and Growth Attributes Synergistically in Wheat Varieties. *Agronomy*, **2021**, 11, 2110	3.6	2
71	Synthesis of silver nanoparticles using Plantago lanceolata extract and assessing their antibacterial and antioxidant activities. *Scientific Reports*, **2021**, 11, 20754	4.9	16
70	Priming of tomato seedlings with 2-oxoglutarate induces arsenic toxicity alleviatory responses by involving endogenous nitric oxide. *Physiologia Plantarum*, **2021**, 173, 45-57	4.6	6
69	Performance of Zea mays L. cultivars in tannery polluted soils: Management of chromium phytotoxicity through the application of biochar and compost. *Physiologia Plantarum*, **2021**, 173, 129-147	4.6	4
68	Deciphering the Potential of Bioactivated Rock Phosphate and Di-Ammonium Phosphate on Agronomic Performance, Nutritional Quality and Productivity of Wheat (Triticum aestivum L.). *Agronomy*, **2021**, 11, 684	3.6	1
67	Ascorbate and glutathione independently alleviate arsenate toxicity in brinjal but both require endogenous nitric oxide. *Physiologia Plantarum*, **2021**, 173, 276-286	4.6	3
66	Influence of ecological and edaphic factors on biodiversity of soil nematodes. *Saudi Journal of Biological Sciences*, **2021**, 28, 3049-3059	4	7
65	Mitigation of bacterial spot disease induced biotic stress in Capsicum annuum L. cultivars via antioxidant enzymes and isoforms. *Scientific Reports*, **2021**, 11, 9445	4.9	5
64	Hydrogen sulfide (HS) and potassium (K) synergistically induce drought stress tolerance through regulation of H-ATPase activity, sugar metabolism, and antioxidative defense in tomato seedlings. *Plant Cell Reports*, **2021**, 40, 1543-1564	5.1	5
63	Seed priming with gibberellic acid induces high salinity tolerance in Pisum sativum through antioxidants, secondary metabolites and up-regulation of antiporter genes. *Plant Biology*, **2021**, 23 Suppl 1, 113-121	3.7	10
62	Calcium-hydrogen sulfide crosstalk during K-deficient NaCl stress operates through regulation of Na/H antiport and antioxidative defense system in mung bean roots. *Plant Physiology and Biochemistry*, **2021**, 159, 211-225	5.4	20
61	Application of soil biofertilizers to a clayey soil contaminated with Sclerotium rolfsii can promote production, protection and nutritive status of Phaseolus vulgaris. *Chemosphere*, **2021**, 271, 129321	8.4	6
60	Mitigation of arsenate toxicity by indole-3-acetic acid in brinjal roots: Plausible association with endogenous hydrogen peroxide. *Journal of Hazardous Materials*, **2021**, 405, 124336	12.8	12
59	Antibacterial and Antifungal Activity of the Extracts of Different Parts of (Forssk.) Vierh. *Plants*, **2021**, 10,	4.5	7
58	Phosphorus supplementation modulates nitric oxide biosynthesis and stabilizes the defence system to improve arsenic stress tolerance in mustard. *Plant Biology*, **2021**, 23 Suppl 1, 152-161	3.7	7

57	Cysteine and Hydrogen Sulfide: A Complementary Association for Plant Acclimation to Abiotic Stress. *Plant in Challenging Environments*, **2021**, 187-214		0
56	FRET-Based Genetically Encoded Nanosensor for Real-Time Monitoring of the Flux of □Tocopherol in Living Cells. *ACS Omega*, **2021**, 6, 9020-9027	3.9	1
55	Arsenic Accumulation in Rice Grain as Influenced by Water Management: Human Health Risk Assessment. *Agronomy*, **2021**, 11, 1741	3.6	2
54	Evaluation of Drought Tolerance of Some Wheat (Triticum aestivum L.) Genotypes through Phenology, Growth, and Physiological Indices. *Agronomy*, **2021**, 11, 1792	3.6	20
53	Molybdenum and hydrogen sulfide synergistically mitigate arsenic toxicity by modulating defense system, nitrogen and cysteine assimilation in faba bean (Vicia faba L.) seedlings. *Environmental Pollution*, **2021**, 290, 117953	9.3	11
52	Exploring the potential of moringa leaf extract as bio stimulant for improving yield and quality of black cumin oil.. *Scientific Reports*, **2021**, 11, 24217	4.9	5
51	Effect of Plant Spacings on Growth, Physiology, Yield and Fiber Quality Attributes of Cotton Genotypes under Nitrogen Fertilization. *Agronomy*, **2021**, 11, 2589	3.6	4
50	Mitigation of Nickel Toxicity and Growth Promotion in Sesame through the Application of a Bacterial Endophyte and Zeolite in Nickel Contaminated Soil. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	18
49	Melatonin-Induced Salinity Tolerance by Ameliorating Osmotic and Oxidative Stress in the Seedlings of Two Tomato (Solanum lycopersicum L.) Cultivars. *Journal of Plant Growth Regulation*, **2020**, 40, 2236	4.7	29
48	Silver Nanoparticle Regulates Salt Tolerance in Wheat Through Changes in ABA Concentration, Ion Homeostasis, and Defense Systems. *Biomolecules*, **2020**, 10,	5.9	17
47	Impact of Coating of Urea with -Augmented Zinc Oxide on Wheat Grown under Salinity Stress. *Plants*, **2020**, 9,	4.5	7
46	Soil Fertility, N2 Fixation and Yield of Chickpea as Influenced by Long-Term Biochar Application under Mung□Chickpea Cropping System. *Sustainability*, **2020**, 12, 9008	3.6	7
45	Experimental Investigation of Chlorella vulgaris and Enterobacter sp. MN17 for Decolorization and Removal of Heavy Metals from Textile Wastewater. *Water (Switzerland)*, **2020**, 12, 3034	3	15
44	Melatonin and calcium function synergistically to promote the resilience through ROS metabolism under arsenic-induced stress. *Journal of Hazardous Materials*, **2020**, 398, 122882	12.8	98
43	Melatonin and Gibberellic Acid Promote Growth and Chlorophyll Biosynthesis by Regulating Antioxidant and Methylglyoxal Detoxification System in Tomato Seedlings Under Salinity. *Journal of Plant Growth Regulation*, **2020**, 39, 1488-1502	4.7	15
42	Seed germination ecology of Conyza stricta Willd. and implications for management. *PLoS ONE*, **2020**, 15, e0244059	3.7	2
41	Adsorption of azo and anthraquinone dye by using watermelon peel powder and corn peel powder: equilibrium and kinetic studies. *Biointerface Research in Applied Chemistry*, **2020**, 10, 4706-4713	2.8	7
40	Exogenous nitric oxide alleviates sulfur deficiency-induced oxidative damage in tomato seedlings. *Nitric Oxide - Biology and Chemistry*, **2020**, 94, 95-107	5	28

39	Silicon-induced postponement of leaf senescence is accompanied by modulation of antioxidative defense and ion homeostasis in mustard (Brassica juncea) seedlings exposed to salinity and drought stress. *Plant Physiology and Biochemistry*, **2020**, 157, 47-59	5.4	33
38	Crosstalk of hydrogen sulfide and nitric oxide requires calcium to mitigate impaired photosynthesis under cadmium stress by activating defense mechanisms in Vigna radiata. *Plant Physiology and Biochemistry*, **2020**, 156, 278-290	5.4	35
37	Exogenous nitric oxide requires endogenous hydrogen sulfide to induce the resilience through sulfur assimilation in tomato seedlings under hexavalent chromium toxicity. *Plant Physiology and Biochemistry*, **2020**, 155, 20-34	5.4	27
36	Dose dependent differential effects of toxic metal cadmium in tomato roots: Role of endogenous hydrogen sulfide. *Ecotoxicology and Environmental Safety*, **2020**, 203, 110978	7	9
35	Salicylic Acid Modulates Antioxidant System, Defense Metabolites, and Expression of Salt Transporter Genes in Pisum sativum Under Salinity Stress. *Journal of Plant Growth Regulation*, **2020**, 1	4.7	5
34	Efficiency of Wheat Straw Biochar in Combination with Compost and Biogas Slurry for Enhancing Nutritional Status and Productivity of Soil and Plant. *Plants*, **2020**, 9,	4.5	8
33	Full sunlight acclimation mechanisms in Riccia discolor thalli: Assessment at morphological, anatomical, and biochemical levels. *Journal of Photochemistry and Photobiology B: Biology*, **2020**, 210, 111983	6.7	
32	Strigolactone (GR24) Induced Salinity Tolerance in Sunflower (Helianthus annuus L.) by Ameliorating Morpho-Physiological and Biochemical Attributes Under In Vitro Conditions. *Journal of Plant Growth Regulation*, **2020**, 40, 2079	4.7	8
31	Phosphorus Nutrient Management through Synchronization of Application Methods and Rates in Wheat and Maize Crops. *Plants*, **2020**, 9,	4.5	23
30	Effect of Nitric Oxide on Seed Germination and Seedling Development of Tomato Under Chromium Toxicity. *Journal of Plant Growth Regulation*, **2020**, 1	4.7	7
29	Enhanced Growth of Mungbean and Remediation of Petroleum Hydrocarbons by Enterobacter sp. MN17 and Biochar Addition in Diesel Contaminated Soil. *Applied Sciences (Switzerland)*, **2020**, 10, 8548	2.6	8
28	Alpha-tocopherol fertigation confers growth physio-biochemical and qualitative yield enhancement in field grown water deficit wheat (Triticum aestivum L.). *Scientific Reports*, **2019**, 9, 12924	4.9	25
27	Role of mineral nutrition in alleviation of heat stress in cotton plants grown in glasshouse and field conditions. *Scientific Reports*, **2019**, 9, 13022	4.9	27
26	Exogenous Melatonin Counteracts NaCl-Induced Damage by Regulating the Antioxidant System, Proline and Carbohydrates Metabolism in Tomato Seedlings. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	68
25	Potential roles of melatonin and sulfur in alleviation of lanthanum toxicity in tomato seedlings. *Ecotoxicology and Environmental Safety*, **2019**, 180, 656-667	7	25
24	Antioxidant, Hypoglycemic, and Neurobehavioral Effects of a Leaf Extract of on Autoimmune Diabetic Mice. *Evidence-based Complementary and Alternative Medicine*, **2019**, 2019, 1263260	2.3	5
23	Antifungal and Antibacterial Activities of Wood Treated with Musa paradisiaca L. Peel Extract: HPLC Analysis of Phenolic and Flavonoid Contents. *Processes*, **2019**, 7, 215	2.9	37
22	Nitric oxide-mediated cross-talk of proline and heat shock proteins induce thermotolerance in Vicia faba L.. *Environmental and Experimental Botany*, **2019**, 161, 290-302	5.9	36

21	Yield, Phytochemical Constituents, and Antibacterial Activity of Essential Oils from the Leaves/Twigs, Branches, Branch Wood, and Branch Bark of Sour Orange (Citrus aurantium L.). *Processes*, **2019**, 7, 363	2.9	41
20	Synthesis of Pyrazolin-5-one Derivatives Clubbed with Thiazole and/or Thiadiazole and Evaluation of Their Antioxidant and Cytotoxic Activities. *ChemistrySelect*, **2019**, 4, 11735-11739	1.8	5
19	Synthesis of Bis-(2-thiazolyl)amine Analogues and Evaluation of Their Antibacterial, Antioxidant and Cytotoxic Activities. *ChemistrySelect*, **2019**, 4, 11726-11734	1.8	1
18	Effect of foliar applications of silicon and titanium dioxide nanoparticles on growth, oxidative stress, and cadmium accumulation by rice (Oryza sativa). *Acta Physiologiae Plantarum*, **2019**, 41, 1	2.6	72
17	Alleviative role of exogenously applied mannitol in maize cultivars differing in chromium stress tolerance. *Environmental Science and Pollution Research*, **2019**, 26, 5111-5121	5.1	24
16	Mitigation of adverse effects of heat stress on by exogenous application of magnesium. *Saudi Journal of Biological Sciences*, **2018**, 25, 1393-1401	4	17
15	Role of Zinc□lysine on Growth and Chromium Uptake in Rice Plants under Cr Stress. *Journal of Plant Growth Regulation*, **2018**, 37, 1413-1422	4.7	41
14	Fertilizers and Their Contaminants in Soils, Surface and Groundwater **2018**, 225-240		67
13	Exogenously applied growth regulators protect the cotton crop from heat-induced injury by modulating plant defense mechanism. *Scientific Reports*, **2018**, 8, 17086	4.9	33
12	Bacillus firmus (SW5) augments salt tolerance in soybean (Glycine max L.) by modulating root system architecture, antioxidant defense systems and stress-responsive genes expression. *Plant Physiology and Biochemistry*, **2018**, 132, 375-384	5.4	82
11	Potential of exogenously sourced kinetin in protecting Solanum lycopersicum from NaCl-induced oxidative stress through up-regulation of the antioxidant system, ascorbate-glutathione cycle and glyoxalase system. *PLoS ONE*, **2018**, 13, e0202175	3.7	107
10	Ascorbic acid improves the tolerance of wheat plants to lead toxicity. *Journal of Plant Interactions*, **2018**, 13, 409-419	3.8	47
9	Jasmonic acid alleviates negative impacts of cadmium stress by modifying osmolytes and antioxidants in faba bean (Vicia faba L.). *Archives of Agronomy and Soil Science*, **2017**, 63, 1889-1899	2	74
8	Sodium nitroprusside and indole acetic acid improve the tolerance of tomato plants to heat stress by protecting against DNA damage. *Journal of Plant Interactions*, **2017**, 12, 177-186	3.8	30
7	A mini-review of anti-hepatitis B virus activity of medicinal plants. *Biotechnology and Biotechnological Equipment*, **2017**, 31, 9-15	1.6	7
6	Exogenous application of nitric oxide and spermidine reduces the negative effects of salt stress on tomato. *Horticulture Environment and Biotechnology*, **2017**, 58, 537-547	2	36
5	Integration of high seeding densities and criss cross row planting pattern suppresses weeds and increases grain yield of spring wheat. *Journal of Environmental Biology*, **2017**, 38, 1139-1145	1.6	3
4	Improvement of salt and waterlogging tolerance in wheat: comparative physiology of Hordeum marinum-Triticum aestivum amphiploids with their H. marinum and wheat parents. *Functional Plant Biology*, **2013**, 40, 1168-1178	2.7	15

3	Salicylic Acid Improves Nitrogen Fixation, Growth, Yield and Antioxidant Defence Mechanisms in Chickpea Genotypes Under Salt Stress. *Journal of Plant Growth Regulation*,1	4.7	4
2	Boron induces seed germination and seedling growth of Hordeum vulgare L. under Nacl stress. *Journal of Advances in Agriculture*,8, 1224-1234		2
1	Effects of rice straw biochar and nitrogen fertilizer on ramie (Boehmeria nivea L.) morpho-physiological traits, copper uptake and post-harvest soil characteristics, grown in an aged-copper contaminated soil. *Journal of Plant Nutrition*,1-14	2.3	2