

# Hamada R Abdelgawad

## List of Publications by Year in descending order

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Version: 2024-02-01

156  
papers

5,464  
citations

81900

39  
h-index

110387

64  
g-index

157  
all docs

157  
docs citations

157  
times ranked

6054  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of seawater acidification on biochemical composition and oxidative status of green algae <i>Ulva compressa</i> . <i>Science of the Total Environment</i> , 2022, 806, 150445.	8.0	9
2	CuO loaded ZnS nanoflower entrapped on PVA-chitosan matrix for boosted visible light photocatalysis for tetracycline degradation and anti-bacterial application. <i>Journal of Environmental Management</i> , 2022, 306, 114396.	7.8	41
3	Evaluation of the phycoremediation potential of microalgae for captan removal: Comprehensive analysis on toxicity, detoxification and antioxidants modulation. <i>Journal of Hazardous Materials</i> , 2022, 427, 128177.	12.4	9
4	Synthesis and application of CdS nanoparticles-decorated core-shell Ag@Ni nanohybrids for visible-light spectrophotometric assay of sulfide in aqueous sample. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 270, 120793.	3.9	7
5	Polarity Directed Appraisal of Pharmacological Potential and HPLC-DAD Based Phytochemical Profiling of <i>Polygonum glabrum</i> Willd. <i>Molecules</i> , 2022, 27, 474.	3.8	2
6	Potential use of a novel actinobacterial species to ameliorate tungsten nanoparticles induced oxidative damage in cereal crops. <i>Plant Physiology and Biochemistry</i> , 2022, 171, 226-239.	5.8	3
7	Heavy Metal Effects on Biodiversity and Stress Responses of Plants Inhabiting Contaminated Soil in Khulais, Saudi Arabia. <i>Biology</i> , 2022, 11, 164.	2.8	20
8	Innovating the Synergistic Assets of Î²-Amino Butyric Acid (BABA) and Selenium Nanoparticles (SeNPs) in Improving the Growth, Nitrogen Metabolism, Biological Activities, and Nutritive Value of <i>Medicago interexta</i> Sprouts. <i>Plants</i> , 2022, 11, 306.	3.5	14
9	Physiological responses of the symbiotic shrimp <i>Ancylcaris brevicarpalis</i> and its host sea anemone <i>Stichodactyla haddoni</i> to ocean acidification. <i>Marine Pollution Bulletin</i> , 2022, 175, 113287.	5.0	4
10	Self-assembling of 3D layered flower architecture of BiOI modified MgCr2O4 nanosphere for wider spectrum visible-light photocatalytic degradation of rhodamine B and malachite green: Mechanism, pathway, reactive sites and toxicity prediction. <i>Journal of Environmental Management</i> , 2022, 308, 114614.	7.8	26
11	Can biochemical traits bridge the gap between genomics and plant performance? A study in rice under drought. <i>Plant Physiology</i> , 2022, 189, 1139-1152.	4.8	8
12	Elevated CO2 Differentially Mitigated Oxidative Stress Induced by Indium Oxide Nanoparticles in Young and Old Leaves of C3 and C4 Crops. <i>Antioxidants</i> , 2022, 11, 308.	5.1	14
13	High Redox Status as the Basis for Heavy Metal Tolerance of <i>Sesuvium portulacastrum</i> L. Inhabiting Contaminated Soil in Jeddah, Saudi Arabia. <i>Antioxidants</i> , 2022, 11, 19.	5.1	5
14	Variation of the Chemical Composition of Essential Oils and Total Phenols Content in Natural Populations of <i>Marrubium vulgare</i> L.. <i>Plants</i> , 2022, 11, 612.	3.5	13
15	Laser Light Treatment Improves the Mineral Composition, Essential Oil Production and Antimicrobial Activity of Mycorrhizal Treated <i>Pelargonium graveolens</i> . <i>Molecules</i> , 2022, 27, 1752.	3.8	7
16	Essential Oil Composition and Antioxidant and Antifungal Activities of Two Varieties of <i>Ocimum basilicum</i> L. (Lamiaceae) at Two Phenological Stages. <i>Agronomy</i> , 2022, 12, 825.	3.0	10
17	Adaptability and Stability of Safflower Genotypes for Oil Production. <i>Plants</i> , 2022, 11, 708.	3.5	6
18	Integrating Network Pharmacology and Molecular Docking Approaches to Decipher the Multi-Target Pharmacological Mechanism of <i>Abrus precatorius</i> L. Acting on Diabetes. <i>Pharmaceuticals</i> , 2022, 15, 414.	3.8	32

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19	Increasing atmospheric CO <sub>2</sub> differentially supports arsenite stress mitigating impact of arbuscular mycorrhizal fungi in wheat and soybean plants. <i>Chemosphere</i> , 2022, 296, 134044.	8.2	36
20	Designing novel MgFe <sub>2</sub> O <sub>4</sub> coupled V <sub>2</sub> O <sub>5</sub> nanorod for synergetic photodegradation of tetracycline with enhanced visible-light energy harvesting: Photoluminescence, kinetics, intrinsic mechanism and bactericidal effect. <i>Chemosphere</i> , 2022, 296, 134012.	8.2	11
21	Photodegradation of 5-fluorouracil, carvedilol, para-chlorophenol and methimazole with 3D MnWO <sub>4</sub> nanoflower modified Ag <sub>2</sub> WO <sub>4</sub> nanorods: A non-genotoxic nanomaterial for water treatment. <i>Chemosphere</i> , 2022, 297, 134130.	8.2	9
22	Melatonin priming as a promising approach to improve biomass accumulation and the nutritional values of <i>Chenopodium quinoa</i> sprouts: A genotype-based study. <i>Scientia Horticulturae</i> , 2022, 301, 111088.	3.6	7
23	Impact of Sprouting under Potassium Nitrate Priming on Nitrogen Assimilation and Bioactivity of Three Medicago Species. <i>Plants</i> , 2022, 11, 71.	3.5	8
24	HPLC-DAD Based Polyphenolic Profiling and Evaluation of Pharmacological Attributes of <i>Putranjiva roxburghii</i> Wall.. <i>Molecules</i> , 2022, 27, 68.	3.8	2
25	Pits of Date Palm: Bioactive Composition, Antibacterial Activity and Antimutagenicity Potentials. <i>Agronomy</i> , 2022, 12, 54.	3.0	14
26	Phosphorus stress strongly reduced plant physiological activity, but only temporarily, in a mesocosm experiment with <i>Zea mays</i> colonized by arbuscular mycorrhizal fungi. <i>Biogeosciences</i> , 2022, 19, 2353-2364.	3.3	8
27	CO <sub>2</sub> Enrichment Differentially Upregulated Sugar, Proline, and Polyamine Metabolism in Young and Old Leaves of Wheat and Sorghum to Mitigate Indium Oxide Nanoparticles Toxicity. <i>Frontiers in Plant Science</i> , 2022, 13, 843771.	3.6	8
28	Inhibition of <i>Aspergillus flavus</i> Growth and Aflatoxin Production in <i>Zea mays</i> L. Using Endophytic <i>Aspergillus fumigatus</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 482.	3.5	23
29	Nutritional Value, Phytochemical Potential, and Therapeutic Benefits of Pumpkin ( <i>Cucurbita</i> sp.). <i>Plants</i> , 2022, 11, 1394.	3.5	18
30	Molecular response of <i>Sargassum vulgare</i> to acidification at volcanic CO <sub>2</sub> vents: Insights from proteomic and metabolite analyses. <i>Molecular Ecology</i> , 2022, 31, 3844-3858.	3.9	4
31	Selection of Newly Identified Growth-Promoting Archaea <i>Haloferax</i> Species With a Potential Action on Cobalt Resistance in Maize Plants. <i>Frontiers in Plant Science</i> , 2022, 13, .	3.6	6
32	Does previous exposure to extreme precipitation regimes result in acclimated grassland communities?. <i>Science of the Total Environment</i> , 2022, 838, 156368.	8.0	4
33	Hazard assessment and environmental fate of propiconazole degradation by microalgae: Differential tolerance, antioxidant and detoxification pathway. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108170.	6.7	9
34	Interactive effects of mercuric oxide nanoparticles and future climate CO <sub>2</sub> on maize plant. <i>Journal of Hazardous Materials</i> , 2021, 401, 123849.	12.4	22
35	Influence of elevated CO <sub>2</sub> on nutritive value and health-promoting prospective of three genotypes of Alfalfa sprouts ( <i>Medicago Sativa</i> ). <i>Food Chemistry</i> , 2021, 340, 128147.	8.2	24
36	Laser light as a promising approach to improve the nutritional value, antioxidant capacity and anti-inflammatory activity of flavonoid-rich buckwheat sprouts. <i>Food Chemistry</i> , 2021, 345, 128788.	8.2	26

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37	Dissipation of pyridaphenthion by cyanobacteria: Insights into cellular degradation, detoxification and metabolic regulation. <i>Journal of Hazardous Materials</i> , 2021, 402, 123787.	12.4	10
38	Potassium and calcium improve salt tolerance of <i>Thymus vulgaris</i> by activating the antioxidant systems. <i>Scientia Horticulturae</i> , 2021, 277, 109812.	3.6	22
39	Silicon dioxide nanoparticles orchestrate carbon and nitrogen metabolism in pea seedlings to cope with broomrape infection. <i>Environmental Science: Nano</i> , 2021, 8, 1960-1977.	4.3	15
40	Laser Light Treatment of Seeds for Improving the Biomass Photosynthesis, Chemical Composition and Biological Activities of Lemongrass Sprouts. <i>Agronomy</i> , 2021, 11, 478.	3.0	11
41	Cinnamaldehyde mitigates placental vascular dysfunction of gestational diabetes and protects from the associated fetal hypoxia by modulating placental angiogenesis, metabolic activity and oxidative stress. <i>Pharmacological Research</i> , 2021, 165, 105426.	7.1	12
42	Bioactive Potential of Several Actinobacteria Isolated from Microbiologically Barely Explored Desert Habitat, Saudi Arabia. <i>Biology</i> , 2021, 10, 235.	2.8	16
43	Haloarchaea as Cell Factories to Produce Bioplastics. <i>Marine Drugs</i> , 2021, 19, 159.	4.6	24
44	Exploratory Assessment to Evaluate Seed Sprouting under Elevated CO <sub>2</sub> Revealed Improved Biomass, Physiology, and Nutritional Value of <i>Trachyspermum ammi</i> . <i>Agronomy</i> , 2021, 11, 830.	3.0	6
45	Physiological and biochemical responses of soybean plants inoculated with Arbuscular mycorrhizal fungi and <i>Bradyrhizobium</i> under drought stress. <i>BMC Plant Biology</i> , 2021, 21, 195.	3.6	119
46	Arbuscular Mycorrhizae Mitigate Aluminum Toxicity and Regulate Proline Metabolism in Plants Grown in Acidic Soil. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 531.	3.5	39
47	Drought tolerance in selected aerobic and upland rice varieties is driven by different metabolic and antioxidative responses. <i>Planta</i> , 2021, 254, 13.	3.2	9
48	Soil arsenic toxicity differentially impacts C3 (barley) and C4 (maize) crops under future climate atmospheric CO <sub>2</sub> . <i>Journal of Hazardous Materials</i> , 2021, 414, 125331.	12.4	26
49	Soil enrichment with actinomycete mitigates the toxicity of arsenic oxide nanoparticles on wheat and maize growth and metabolism. <i>Physiologia Plantarum</i> , 2021, 173, 978-992.	5.2	9
50	Establishment of actinobacteria- <i>Satureja hortensis</i> interactions under future climate CO <sub>2</sub> -enhanced crop productivity in drought environments of Saudi Arabia. <i>Environmental Science and Pollution Research</i> , 2021, 28, 62853-62867.	5.3	7
51	<i>Lepidium sativum</i> Sprouts Grown under Elevated CO <sub>2</sub> Hyperaccumulate Glucosinolates and Antioxidants and Exhibit Enhanced Biological and Reduced Antinutritional Properties. <i>Biomolecules</i> , 2021, 11, 1174.	4.0	12
52	<i>Saccharomonospora actinobacterium</i> alleviates phytotoxic hazards of tungsten nanoparticles on legumes' growth and osmotic status. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106395.	6.7	6
53	Future climate CO <sub>2</sub> can harness ROS homeostasis and improve cell wall fortification to alleviate the hazardous effect of <i>Phelipanche</i> infection in pea seedlings. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 1131-1141.	5.8	7
54	Effect of Elevated CO <sub>2</sub> on Seed Yield, Essential Oil Metabolism, Nutritive Value, and Biological Activity of <i>Pimpinella anisum</i> L. Accessions at Different Seed Maturity Stages. <i>Biology</i> , 2021, 10, 979.	2.8	6

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55	Elevated CO <sub>2</sub> differently suppresses the arsenic oxide nanoparticles-induced stress in C3 (Hordeum) Tj ETQq1 1 0.784314 rgBT /Overlook 10 Tf 50 anthocyanin metabolism. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 235-245.	5.8	24
56	An actinomycete strain of <i>Nocardopsis lucentensis</i> reduces arsenic toxicity in barley and maize. <i>Journal of Hazardous Materials</i> , 2021, 417, 126055.	12.4	26
57	Perfluoroalkylated acids (PFAAs) accumulate in field-exposed snails ( <i>Cepaea</i> sp.) and affect their oxidative status. <i>Science of the Total Environment</i> , 2021, 790, 148059.	8.0	3
58	Characterization of bioplastics produced by haloarchaeon <i>Haloarcula</i> sp strain NRS20 using cost-effective carbon sources. <i>Materials Research Express</i> , 2021, 8, 105404.	1.6	3
59	Improved Mineral Acquisition, Sugars Metabolism and Redox Status after Mycorrhizal Inoculation Are the Basis for Tolerance to Vanadium Stress in C3 and C4 Grasses. <i>Journal of Fungi (Basel, Tj ETQq1 1 0.784314 rgBT /Overlook 10 Tf 50)</i>	10.7	10
60	Potential Importance of Molybdenum Priming to Metabolism and Nutritive Value of <i>Canavalia</i> spp. Sprouts. <i>Plants</i> , 2021, 10, 2387.	3.5	3
61	Anti-Inflammatory Potential of Daturaolone from <i>Datura innoxia</i> Mill.: In Silico, In Vitro and In Vivo Studies. <i>Pharmaceuticals</i> , 2021, 14, 1248.	3.8	11
62	Developmental Stages-Specific Response of Anise Plants to Laser-Induced Growth, Nutrients Accumulation, and Essential Oil Metabolism. <i>Plants</i> , 2021, 10, 2591.	3.5	6
63	Chitosan capped Ag/NiS nanocomposites: A novel colorimetric probe for detection of L-cysteine at nanomolar level and its anti-microbial activity. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 2054-2061.	7.5	7
64	Profiling of Antifungal Activities and In Silico Studies of Natural Polyphenols from Some Plants. <i>Molecules</i> , 2021, 26, 7164.	3.8	17
65	Differences in Cadmium Accumulation, Detoxification and Antioxidant Defenses between Contrasting Maize Cultivars Implicate a Role of Superoxide Dismutase in Cd Tolerance. <i>Antioxidants</i> , 2021, 10, 1812.	5.1	12
66	Effect of Elevated CO <sub>2</sub> on Biomoleculesâ€™™ Accumulation in Caraway ( <i>Carum carvi</i> L.) Plants at Different Developmental Stages. <i>Plants</i> , 2021, 10, 2434.	3.5	11
67	The differential tolerance of C3 and C4 cereals to aluminum toxicity is faded under future CO <sub>2</sub> climate. <i>Plant Physiology and Biochemistry</i> , 2021, 169, 249-258.	5.8	8
68	<i>Caralluma tuberculata</i> N.E.Br Manifests Extraction Medium Reliant Disparity in Phytochemical and Pharmacological Analysis. <i>Molecules</i> , 2021, 26, 7530.	3.8	5
69	Bacterial Endophytes as a Promising Approach to Enhance the Growth and Accumulation of Bioactive Metabolites of Three Species of <i>Chenopodium</i> Sprouts. <i>Plants</i> , 2021, 10, 2745.	3.5	13
70	Withaferin A: From Ancient Remedy to Potential Drug Candidate. <i>Molecules</i> , 2021, 26, 7696.	3.8	17
71	Harnessing Endophytic Fungi for Enhancing Growth, Tolerance and Quality of Rose-Scented Geranium ( <i>Pelargonium graveolens</i> (Lâ€™™HÃ©©r) Thunb.) Plants under Cadmium Stress: A Biochemical Study. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 1039.	3.5	12
72	Biomarkers for grain yield stability in rice under drought stress. <i>Journal of Experimental Botany</i> , 2020, 71, 669-683.	4.8	71

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73	Redox homeostasis in the growth zone of the rice leaf plays a key role in cold tolerance. <i>Journal of Experimental Botany</i> , 2020, 71, 1053-1066.	4.8	8
74	CO <sub>2</sub> treatment improves the hypocholesterolemic and antioxidant properties of fenugreek seeds. <i>Food Chemistry</i> , 2020, 308, 125661.	8.2	28
75	How grass keeps growing: an integrated analysis of hormonal crosstalk in the maize leaf growth zone. <i>New Phytologist</i> , 2020, 225, 2513-2525.	7.3	13
76	Salicylic acid confers resistance against broomrape in tomato through modulation of C and N metabolism. <i>Plant Physiology and Biochemistry</i> , 2020, 147, 322-335.	5.8	20
77	Ocean acidification affects biological activities of seaweeds: A case study of <i>Sargassum vulgare</i> from Ischia volcanic CO <sub>2</sub> vents. <i>Environmental Pollution</i> , 2020, 259, 113765.	7.5	14
78	Maize roots and shoots show distinct profiles of oxidative stress and antioxidant defense under heavy metal toxicity. <i>Environmental Pollution</i> , 2020, 258, 113705.	7.5	112
79	Differential responses of two cyanobacterial species to R-metalaxyl toxicity: Growth, photosynthesis and antioxidant analyses. <i>Environmental Pollution</i> , 2020, 258, 113681.	7.5	19
80	Al exposure increases proline levels by different pathways in an Al-sensitive and an Al-tolerant rye genotype. <i>Scientific Reports</i> , 2020, 10, 16401.	3.3	13
81	Salinity Stress Enhances the Antioxidant Capacity of <i>Bacillus</i> and <i>Planococcus</i> Species Isolated From Saline Lake Environment. <i>Frontiers in Microbiology</i> , 2020, 11, 561816.	3.5	19
82	Heat stress as an innovative approach to enhance the antioxidant production in <i>Pseudoceanicola</i> and <i>Bacillus</i> isolates. <i>Scientific Reports</i> , 2020, 10, 15076.	3.3	12
83	Interactive Impact of Arbuscular Mycorrhizal Fungi and Elevated CO <sub>2</sub> on Growth and Functional Food Value of <i>Thymus vulgare</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 168.	3.5	34
84	Actinomycetes Enrich Soil Rhizosphere and Improve Seed Quality as well as Productivity of Legumes by Boosting Nitrogen Availability and Metabolism. <i>Biomolecules</i> , 2020, 10, 1675.	4.0	54
85	C <sub>3</sub> and C <sub>4</sub> plant systems respond differently to the concurrent challenges of mercuric oxide nanoparticles and future climate CO <sub>2</sub> . <i>Science of the Total Environment</i> , 2020, 749, 142356.	8.0	25
86	Elevated CO <sub>2</sub> improves glucosinolate metabolism and stimulates anticancer and anti-inflammatory properties of broccoli sprouts. <i>Food Chemistry</i> , 2020, 328, 127102.	8.2	44
87	Impacts of selective logging on the oxidative status of tropical understorey birds. <i>Journal of Animal Ecology</i> , 2020, 89, 2222-2234.	2.8	4
88	Starch biosynthesis contributes to the maintenance of photosynthesis and leaf growth under drought stress in maize. <i>Plant, Cell and Environment</i> , 2020, 43, 2254-2271.	5.7	37
89	Silicon dioxide nanoparticles alleviate the threats of broomrape infection in tomato by inducing cell wall fortification and modulating ROS homeostasis. <i>Environmental Science: Nano</i> , 2020, 7, 1415-1430.	4.3	28
90	Global metabolic changes induced by arbuscular mycorrhizal fungi in oregano plants grown under ambient and elevated levels of atmospheric CO <sub>2</sub> . <i>Plant Physiology and Biochemistry</i> , 2020, 151, 255-263.	5.8	43

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91	Mercury exposure in relation to foraging ecology and its impact on the oxidative status of an endangered seabird. <i>Science of the Total Environment</i> , 2020, 724, 138131.	8.0	8
92	Provenance effect on bioactive phytochemicals and nutritional and health benefits of the desert date <i>Balanites aegyptiaca</i> . <i>Journal of Food Biochemistry</i> , 2020, 44, e13229.	2.9	10
93	Arbuscular mycorrhizae induce a global metabolic change and improve the nutritional and health benefits of pennyroyal and parsley. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	2.1	16
94	A Bioactive Fraction from <i>Streptomyces</i> sp. Enhances Maize Tolerance against Drought Stress. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 1156-1168.	2.1	19
95	Silicon dioxide nanoparticles ameliorate the phytotoxic hazards of aluminum in maize grown on acidic soil. <i>Science of the Total Environment</i> , 2019, 693, 133636.	8.0	113
96	Interspecific plant competition mediates the metabolic and ecological signature of a plant-herbivore interaction under warming and elevated CO <sub>2</sub> . <i>Functional Ecology</i> , 2019, 33, 1842-1853.	3.6	3
97	Detecting the onset of autumn leaf senescence in deciduous forest trees of the temperate zone. <i>New Phytologist</i> , 2019, 224, 166-176.	7.3	42
98	Actinobacterium isolated from a semi-arid environment improves the drought tolerance in maize ( <i>Zea mays</i> L.) cv. Pioneer 303. <i>Plant Physiology and Biochemistry</i> , 2019, 135, 194-205.	5.8	8
99	Physiological and biochemical responses to aluminum-induced oxidative stress in two cyanobacterial species. <i>Environmental Pollution</i> , 2019, 251, 961-969.	7.5	29
100	Vermicompost Supply Modifies Chemical Composition and Improves Nutritive and Medicinal Properties of Date Palm Fruits From Saudi Arabia. <i>Frontiers in Plant Science</i> , 2019, 10, 424.	3.6	16
101	Utilization of actinobacteria to enhance the production and quality of date palm ( <i>Phoenix dactylifera</i> ) cv. 'Medjool'. <i>Journal of Food Biochemistry</i> , 2019, 43, 1-10.	8.0	97
102	O <sub>3</sub> pollution in a future climate increases the competition between summer rape and wild mustard. <i>Plant Physiology and Biochemistry</i> , 2019, 135, 194-205.	5.8	8
103	NiO-nanoparticles induce reduced phytotoxic hazards in wheat ( <i>Triticum aestivum</i> L.) grown under future climate CO <sub>2</sub> . <i>Chemosphere</i> , 2019, 220, 1047-1057.	8.2	50
104	Perfluoroalkyl Acids (PFAAs) Concentrations and Oxidative Status in Two Generations of Great Tits Inhabiting a Contamination Hotspot. <i>Environmental Science &amp; Technology</i> , 2019, 53, 1617-1626.	10.0	34
105	The impact of foliar fertilizers on growth and biochemical responses of <i>Thymus vulgaris</i> to salinity stress. <i>Arid Land Research and Management</i> , 2019, 33, 297-320.	1.6	12
106	Exploring the potential of actinomycetes in improving soil fertility and grain quality of economically important cereals. <i>Science of the Total Environment</i> , 2019, 651, 2787-2798.	8.0	33
107	Multiple mechanisms explain how reduced <i>KRP1</i> expression increases leaf size of <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2019, 221, 1345-1358.	7.3	18
108	The Systems Architecture of Molecular Memory in Poplar after Abiotic Stress. <i>Plant Cell</i> , 2019, 31, 346-367.	6.6	29



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109	Dynamics of metabolic responses to periods of combined heat and drought in <i>Arabidopsis thaliana</i> under ambient and elevated atmospheric CO <sub>2</sub> . <i>Journal of Experimental Botany</i> , 2018, 69, 2159-2170.	4.8	67
110	<i>Sonchus oleraceus</i> Residue Improves Nutritive and Health-Promoting Value of Common Bean ( <i>Phaseolus vulgaris</i> L.): A Metabolic Study. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 2092-2100.	5.2	14
111	Elevated CO <sub>2</sub> induces a global metabolic change in basil ( <i>Ocimum basilicum</i> L.) and peppermint ( <i>Mentha</i> ) Tj ETQq1_1 0.784314 rgBT 3.5 67	3.5	67
112	Effects of ocean acidification on the levels of primary and secondary metabolites in the brown macroalga <i>Sargassum vulgare</i> at different time scales. <i>Science of the Total Environment</i> , 2018, 643, 946-956.	8.0	26
113	Resveratrol supplementation reduces oxidative stress and modulates the immune response in free-living animals during a viral infection. <i>Functional Ecology</i> , 2018, 32, 2509-2519.	3.6	18
114	CO <sub>2</sub> enrichment can enhance the nutritional and health benefits of parsley ( <i>Petroselinum crispum</i> L.) and dill ( <i>Anethum graveolens</i> L.). <i>Food Chemistry</i> , 2018, 269, 519-526.	8.2	49
115	Sex-specific effects of inbreeding and early life conditions on the adult oxidative balance. <i>Environmental Epigenetics</i> , 2018, 64, 631-639.	1.8	8
116	Mixture toxicity of copper, cadmium, and zinc to barley seedlings is not explained by antioxidant and oxidative stress biomarkers. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 220-230.	4.3	44
117	Molecular response of <i>Sargassum vulgare</i> to acidification at volcanic CO <sub>2</sub> vents: insights from de novo transcriptomic analysis. <i>Molecular Ecology</i> , 2017, 26, 2276-2290.	3.9	21
118	Zinc-induced differential oxidative stress and antioxidant responses in <i>Chlorella sorokiniana</i> and <i>Scenedesmus acuminatus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2017, 140, 256-263.	6.0	76
119	Experimental inhibition of a key cellular antioxidant affects vocal communication. <i>Functional Ecology</i> , 2017, 31, 1101-1110.	3.6	7
120	Neither artificial light at night, anthropogenic noise nor distance from roads are associated with oxidative status of nestlings in an urban population of songbirds. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2017, 210, 14-21.	1.8	48
121	UV-B Inhibits Leaf Growth through Changes in Growth Regulating Factors and Gibberellin Levels. <i>Plant Physiology</i> , 2017, 174, 1110-1126.	4.8	79
122	Sensitivity of two green microalgae to copper stress: Growth, oxidative and antioxidants analyses. <i>Ecotoxicology and Environmental Safety</i> , 2017, 144, 19-25.	6.0	111
123	High Antioxidant Activity Facilitates Maintenance of Cell Division in Leaves of Drought Tolerant Maize Hybrids. <i>Frontiers in Plant Science</i> , 2017, 8, 84.	3.6	52
124	Physiological and Biochemical Analyses Shed Light on the Response of <i>Sargassum vulgare</i> to Ocean Acidification at Different Time Scales. <i>Frontiers in Plant Science</i> , 2017, 8, 570.	3.6	24
125	Perturbation of Auxin Homeostasis and Signaling by PINOID Overexpression Induces Stress Responses in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1308.	3.6	14
126	Metalaxyl Effects on Antioxidant Defenses in Leaves and Roots of <i>Solanum nigrum</i> L.. <i>Frontiers in Plant Science</i> , 2017, 8, 1967.	3.6	31



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127	High Salinity Induces Different Oxidative Stress and Antioxidant Responses in Maize Seedlings Organs. <i>Frontiers in Plant Science</i> , 2016, 7, 276.	3.6	343
128	Future Climate CO2 Levels Mitigate Stress Impact on Plants: Increased Defense or Decreased Challenge?. <i>Frontiers in Plant Science</i> , 2016, 7, 556.	3.6	74
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134	Essential oils, amino acids and polyphenols changes in salt-stressed <i>Thymus vulgaris</i> exposed to open field and shade enclosure. <i>Industrial Crops and Products</i> , 2016, 91, 223-230.	5.2	19
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142	Immunization reduces vocal communication but does not increase oxidative stress in a songbird species. <i>Behavioral Ecology and Sociobiology</i> , 2015, 69, 829-839.	1.4	9
143	Physiological and molecular alterations in plants exposed to high [CO <sub>2</sub> ] under phosphorus stress. <i>Biotechnology Advances</i> , 2015, 33, 303-316.	11.7	53
144	Elevated CO <sub>2</sub> mitigates drought and temperature-induced oxidative stress differently in grasses and legumes. <i>Plant Science</i> , 2015, 231, 1-10.	3.6	151

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146	Climate Extreme Effects on the Chemical Composition of Temperate Grassland Species under Ambient and Elevated CO <sub>2</sub> : A Comparison of Fructan and Non-Fructan Accumulators. PLoS ONE, 2014, 9, e92044.	2.5	84
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