

Mohamed El-Esawi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6640676/publications.pdf>

Version: 2024-02-01

147
papers

5,540
citations

76031

42
h-index

124990

64
g-index

148
all docs

148
docs citations

148
times ranked

5153
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of nanoparticles for mitigating salinity and drought stress in plants: an overview on the physiological, biochemical and molecular genetic aspects. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2023, 51, 297-327.	0.7	18
2	Alleviating lead-induced phytotoxicity and enhancing the phytoremediation of castor bean (<i>Ricinus communis</i>) by application of ZnO nanoparticles: Effect on growth, antioxidants, gas exchange and lead uptake. <i>International Journal of Phytoremediation</i> , 2022, 24, 933-944.	1.7	8
3	Cadmium Toxicity in Plants: Recent Progress on Morpho-physiological Effects and Remediation Strategies. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 212-269.	1.7	62
4	Morpho-anatomical, biochemical and molecular genetic responses of canola (<i>Brassica napus</i> L.) to sulphur application. <i>Environmental and Experimental Botany</i> , 2022, 194, 104739.	2.0	5
5	Chromium-resistant <i>Staphylococcus aureus</i> alleviates chromium toxicity by developing synergistic relationships with zinc oxide nanoparticles in wheat. <i>Ecotoxicology and Environmental Safety</i> , 2022, 230, 113142.	2.9	79
6	Optimization of Carotenoids Production from <i>Rhodotorula</i> sp. Strain ATL72 for Enhancing Its Biotechnological Applications. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 160.	1.5	15
7	Exogenous Caffeine (1,3,7-Trimethylxanthine) Application Diminishes Cadmium Toxicity by Modulating Physio-Biochemical Attributes and Improving the Growth of Spinach (<i>Spinacia oleracea</i> L.). <i>Sustainability</i> , 2022, 14, 2806.	1.6	9
8	Beneficial Role of Selenium (Se) Biofortification in Developing Resilience Against Potentially Toxic Metal and Metalloid Stress in Crops: Recent Trends in Genetic Engineering and Omics Approaches. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 2347-2377.	1.7	8
9	Exogenously Applied Trehalose Augments Cadmium Stress Tolerance and Yield of Mung Bean (<i>Vigna radiata</i>) by Enhancing Photosynthetic Efficiency and Antioxidant Defense Systems. <i>Plants</i> , 2022, 11, 822.	1.6	29
10	Egypt as one of the centers of lettuce domestication: morphological and genetic evidence. <i>Euphytica</i> , 2022, 218, 1.	0.6	0
11	The GP-45 Protein, a Highly Variable Antigen from <i>Babesia bigemina</i> , Contains Conserved B-Cell Epitopes in Geographically Distant Isolates. <i>Pathogens</i> , 2022, 11, 591.	1.2	5
12	Modulation of cell cycle progression and chromatin dynamic as tolerance mechanisms to salinity and drought stress in maize. <i>Physiologia Plantarum</i> , 2021, 172, 684-695.	2.6	27
13	Minimizing hazard impacts of soil salinity and water stress on wheat plants by soil application of vermicompost and biochar. <i>Physiologia Plantarum</i> , 2021, 172, 587-602.	2.6	71
14	Negative impact of long-term exposure of salinity and drought stress on native <i>Tetraena mandavillei</i> L. <i>Physiologia Plantarum</i> , 2021, 172, 1336-1351.	2.6	78
15	Seed priming and foliar application with jasmonic acid enhance salinity stress tolerance of soybean (<i>Glycine max</i> L.) seedlings. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 2027-2041.	1.7	74
16	Anti-inflammatory and In Silico Docking Studies of <i>Heterophragma adenophyllum</i> Seem Stem Constituents. <i>Inflammation</i> , 2021, 44, 297-306.	1.7	7
17	Synthesis, characterization, biological activities, and catalytic applications of alcoholic extract of saffron (<i>Crocus sativus</i>) flower stigma-based gold nanoparticles. <i>Green Processing and Synthesis</i> , 2021, 10, 230-245.	1.3	19
18	Green synthesis of silver nanoparticles using <i>Tropaeolum majus</i> : Phytochemical screening and antibacterial studies. <i>Green Processing and Synthesis</i> , 2021, 10, 85-94.	1.3	50

#	ARTICLE	IF	CITATIONS
19	Plant-based nutrition supplementation on the well-being of servicemen. , 2021, , 377-404.		2
20	Reversal of multidrug resistance and antitumor promoting activity of 3-oxo-6 β -hydroxy- β -amyrin isolated from <i>Pistacia integerrima</i> . <i>Biocell</i> , 2021, 45, 139-147.	0.4	7
21	Antiglycation and enzyme inhibitory potential of salicylalazine isolated from <i>Micromeria biflora</i> (Buch.-Ham.ex D.Don) Benth. <i>South African Journal of Botany</i> , 2021, 143, 344-349.	1.2	3
22	Manganese Supply Improves Bread Wheat Productivity, Economic Returns and Grain Biofortification under Conventional and No Tillage Systems. <i>Agriculture (Switzerland)</i> , 2021, 11, 142.	1.4	16
23	Influence of Selenium on Growth, Physiology, and Antioxidant Responses in Maize Varies in a Dose-Dependent Manner. <i>Journal of Food Quality</i> , 2021, 2021, 1-9.	1.4	13
24	Impacts of Arbuscular Mycorrhizal Fungi on Rice Growth, Development, and Stress Management With a Particular Emphasis on Strigolactone Effects on Root Development. <i>Communications in Soil Science and Plant Analysis</i> , 2021, 52, 1591-1621.	0.6	21
25	Combining Ability and Gene Action for Yield Characteristics in Novel Aromatic Cytoplasmic Male Sterile Hybrid Rice under Water-Stress Conditions. <i>Agriculture (Switzerland)</i> , 2021, 11, 226.	1.4	15
26	Biological Activities and Chemistry of Triterpene Saponins from <i>Medicago</i> Species: An Update Review. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-11.	0.5	7
27	In Silico Drug Screening Analysis against the Overexpression of PGAM1 Gene in Different Cancer Treatments. <i>BioMed Research International</i> , 2021, 2021, 1-7.	0.9	8
28	Differential Morphophysiological, Biochemical, and Molecular Responses of Maize Hybrids to Salinity and Alkalinity Stresses. <i>Agronomy</i> , 2021, 11, 1150.	1.3	19
29	<i>In Vivo</i> and <i>In Silico</i> Studies of Flavonoids Isolated from <i>Pistacia integerrima</i> as Potential Antidiarrheal Agents. <i>ACS Omega</i> , 2021, 6, 15617-15624.	1.6	10
30	Impact of Different Water Management Regimes on the Growth, Productivity, and Resource Use Efficiency of Dry Direct Seeded Rice in Central Punjab-Pakistan. <i>Agronomy</i> , 2021, 11, 1151.	1.3	3
31	Optimizing the Biosorption Behavior of <i>Ludwigia stolonifera</i> in the Removal of Lead and Chromium Metal Ions from Synthetic Wastewater. <i>Sustainability</i> , 2021, 13, 6390.	1.6	16
32	Environmental and Stress Analysis of Wild Plant Habitat in River Nile Region of Dakahlia Governorate on Basis of Geospatial Techniques. <i>Sustainability</i> , 2021, 13, 6377.	1.6	6
33	Boron-toxicity induced changes in cell wall components, boron forms, and antioxidant defense system in rice seedlings. <i>Ecotoxicology and Environmental Safety</i> , 2021, 216, 112192.	2.9	27
34	Nanocurcumin improves Treg cell responses in patients with mild and severe SARS-CoV2. <i>Life Sciences</i> , 2021, 276, 119437.	2.0	46
35	Morpho-Physio-Biochemical and Molecular Responses of Maize Hybrids to Salinity and Waterlogging during Stress and Recovery Phase. <i>Plants</i> , 2021, 10, 1345.	1.6	36
36	Exogenously Applied Gibberellic Acid Enhances Growth and Salinity Stress Tolerance of Maize through Modulating the Morpho-Physiological, Biochemical and Molecular Attributes. <i>Biomolecules</i> , 2021, 11, 1005.	1.8	26

#	ARTICLE	IF	CITATIONS
37	Application of natural antimicrobials in food preservation: Recent views. <i>Food Control</i> , 2021, 126, 108066.	2.8	109
38	HD-ZIP Gene Family: Potential Roles in Improving Plant Growth and Regulating Stress-Responsive Mechanisms in Plants. <i>Genes</i> , 2021, 12, 1256.	1.0	65
39	Carbon Sequestration to Avoid Soil Degradation: A Review on the Role of Conservation Tillage. <i>Plants</i> , 2021, 10, 2001.	1.6	31
40	Irrigation Rationalization Boosts Wheat (<i>Triticum aestivum</i> L.) Yield and Reduces Rust Incidence under Arid Conditions. <i>BioMed Research International</i> , 2021, 2021, 1-10.	0.9	5
41	Effect of Sourceâ€“Sink Ratio Manipulation on Growth, Flowering, and Yield Potential of Soybean. <i>Agriculture (Switzerland)</i> , 2021, 11, 926.	1.4	3
42	Biochar and jasmonic acid application attenuates antioxidative systems and improves growth, physiology, nutrient uptake and productivity of faba bean (<i>Vicia faba</i> L.) irrigated with saline water. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 807-817.	2.8	44
43	A Consortium of Rhizosphere-Competent Actinobacteria Exhibiting Multiple Plant Growth-Promoting Traits Improves the Growth of <i>Avicennia marina</i> in the United Arab Emirates. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	17
44	Fungal Endophyte: An Interactive Endosymbiont With the Capability of Modulating Host Physiology in Myriad Ways. <i>Frontiers in Plant Science</i> , 2021, 12, 701800.	1.7	33
45	Immunomodulatory effects of nanocurcumin on Th17 cell responses in mild and severe COVIDâ€“19 patients. <i>Journal of Cellular Physiology</i> , 2021, 236, 5325-5338.	2.0	89
46	River Tea Tree Oil: Composition, Antimicrobial and Antioxidant Activities, and Potential Applications in Agriculture. <i>Plants</i> , 2021, 10, 2105.	1.6	20
47	Assessment of the Heavy Metals Pollution and Ecological Risk in Sediments of Mediterranean Sea Drain Estuaries in Egypt and Phytoremediation Potential of Two Emergent Plants. <i>Sustainability</i> , 2021, 13, 12244.	1.6	6
48	In Vitro Antimicrobial Activity of Medicinal Plant Extracts against Some Bacterial Pathogens Isolated from Raw and Processed Meat. <i>Life</i> , 2021, 11, 1178.	1.1	7
49	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
50	Treatment of Sweet Pepper with Stress Tolerance-Inducing Compounds Alleviates Salinity Stress Oxidative Damage by Mediating the Physio-Biochemical Activities and Antioxidant Systems. <i>Agronomy</i> , 2020, 10, 26.	1.3	137
51	Changes in Ecophysiology, Osmolytes, and Secondary Metabolites of the Medicinal Plants of <i>Mentha piperita</i> and <i>Catharanthus roseus</i> Subjected to Drought and Heat Stress. <i>Biomolecules</i> , 2020, 10, 43.	1.8	97
52	Genetic Diversity and Combining Ability of White Maize Inbred Lines under Different Plant Densities. <i>Plants</i> , 2020, 9, 1140.	1.6	21
53	Inhibitory effects of novel ciprofloxacin derivatives on the growth of four <i>Babesia</i> species and <i>Theileria equi</i> . <i>Parasitology Research</i> , 2020, 119, 3061-3073.	0.6	13
54	Molybdenum Supply Alleviates the Cadmium Toxicity in Fragrant Rice by Modulating Oxidative Stress and Antioxidant Gene Expression. <i>Biomolecules</i> , 2020, 10, 1582.	1.8	74

#	ARTICLE	IF	CITATIONS
55	A Review on Practical Application and Potentials of Phytohormone-Producing Plant Growth-Promoting Rhizobacteria for Inducing Heavy Metal Tolerance in Crops. <i>Sustainability</i> , 2020, 12, 9056.	1.6	55
56	Assessing the Immunochromatographic Test Strip for Serological Detection of Bovine Babesiosis in Uganda. <i>Microorganisms</i> , 2020, 8, 1110.	1.6	10
57	The endocannabinoid signaling pathway as an emerging target in pharmacotherapy, earmarking mitigation of destructive events in rheumatoid arthritis. <i>Life Sciences</i> , 2020, 257, 118109.	2.0	13
58	Implementation of Floating Treatment Wetlands for Textile Wastewater Management: A Review. <i>Sustainability</i> , 2020, 12, 5801.	1.6	38
59	Biological Properties, Bioactive Constituents, and Pharmacokinetics of Some Capsicum spp. and Capsaicinoids. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5179.	1.8	110
60	Field Performance of Allelopathic Bacteria for Biological Weed Control in Wheat: Innovative, Sustainable and Eco-Friendly Approach for Enhanced Crop Production. <i>Sustainability</i> , 2020, 12, 8936.	1.6	2
61	Effect of Cadmium-Tolerant Rhizobacteria on Growth Attributes and Chlorophyll Contents of Bitter Gourd under Cadmium Toxicity. <i>Plants</i> , 2020, 9, 1386.	1.6	62
62	Arabidopsis cryptochrome and Quantum Biology: new insights for plant science and crop improvement. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2020, 29, 636-651.	0.9	10
63	Foliar Spray of Fe-Asp Confers Better Drought Tolerance in Sunflower as Compared with FeSO ₄ : Yield Traits, Osmotic Adjustment, and Antioxidative Defense Mechanisms. <i>Biomolecules</i> , 2020, 10, 1217.	1.8	12
64	In vitro and in vivo growth inhibitory activities of cryptolepine hydrate against several Babesia species and Theileria equi. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008489.	1.3	11
65	Low Doses of Cuscuta reflexa Extract Act as Natural Biostimulants to Improve the Germination Vigor, Growth, and Grain Yield of Wheat Grown under Water Stress: Photosynthetic Pigments, Antioxidative Defense Mechanisms, and Nutrient Acquisition. <i>Biomolecules</i> , 2020, 10, 1212.	1.8	17
66	Factors Associated with Increased Morbidity and Mortality of Obese and Overweight COVID-19 Patients. <i>Biology</i> , 2020, 9, 280.	1.3	23
67	Rapid green synthesis of silver nanoparticles from blue gum augment growth and performance of maize, fenugreek, and onion by modulating plants cellular antioxidant machinery and genes expression. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	1.0	41
68	Peptone-Induced Physio-Biochemical Modulations Reduce Cadmium Toxicity and Accumulation in Spinach (<i>Spinacia oleracea</i> L.). <i>Plants</i> , 2020, 9, 1806.	1.6	12
69	Role of Ferrous Sulfate (FeSO ₄) in Resistance to Cadmium Stress in Two Rice (<i>Oryza sativa</i> L.) Genotypes. <i>Biomolecules</i> , 2020, 10, 1693.	1.8	51
70	Mitigation of Nickel Toxicity and Growth Promotion in Sesame through the Application of a Bacterial Endophyte and Zeolite in Nickel Contaminated Soil. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8859.	1.2	36
71	Regulatory role of circadian clocks in plant responses to abiotic stress. , 2020, , 811-823.		0
72	Regulation of genes and transcriptional factors involved in plant responses to abiotic stress. , 2020, , 825-833.		1

#	ARTICLE	IF	CITATIONS
73	Saponin bioprimer positively stimulates antioxidants defense, osmolytes metabolism and ionic status to confer salt stress tolerance in soybean. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	1.0	32
74	Evaluation of growth and nutritional value of Brassica microgreens grown under red, blue and green LEDs combinations. <i>Physiologia Plantarum</i> , 2020, 169, 625-638.	2.6	39
75	Gas chromatography-mass spectrometry analysis, phytochemical screening and antiprotozoal effects of the methanolic <i>Viola tricolor</i> and acetic <i>Laurus nobilis</i> extracts. <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 87.	1.2	29
76	Biogenesis, Biologic Function and Clinical Potential of Exosomes in Different Diseases. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4428.	1.3	12
77	CD19+ CD24hi CD38hi Regulatory B Cells and Memory B Cells in Periodontitis: Association with Pro-Inflammatory and Anti-Inflammatory Cytokines. <i>Vaccines</i> , 2020, 8, 340.	2.1	21
78	<i>Syzygium aromaticum</i> L. (Myrtaceae): Traditional Uses, Bioactive Chemical Constituents, Pharmacological and Toxicological Activities. <i>Biomolecules</i> , 2020, 10, 202.	1.8	251
79	Phytochemical Characterization and Chemotherapeutic Potential of <i>Cinnamomum verum</i> Extracts on the Multiplication of Protozoan Parasites In Vitro and In Vivo. <i>Molecules</i> , 2020, 25, 996.	1.7	25
80	Therapeutic Effects of Atratorin towards the Proliferation of Babesia and Theileria Parasites. <i>Pathogens</i> , 2020, 9, 127.	1.2	16
81	Safety and efficacy of hydroxyurea and eflornithine against most blood parasites Babesia and Theileria. <i>PLoS ONE</i> , 2020, 15, e0228996.	1.1	19
82	<i>Serratia marcescens</i> BM1 Enhances Cadmium Stress Tolerance and Phytoremediation Potential of Soybean Through Modulation of Osmolytes, Leaf Gas Exchange, Antioxidant Machinery, and Stress-Responsive Genes Expression. <i>Antioxidants</i> , 2020, 9, 43.	2.2	97
83	Phytochemical Screening and Antiprotozoal Effects of the Methanolic <i>Berberis Vulgaris</i> and Acetic <i>Rhus Coriaria</i> Extracts. <i>Molecules</i> , 2020, 25, 550.	1.7	36
84	Exogenous Ascorbic Acid Induced Chilling Tolerance in Tomato Plants Through Modulating Metabolism, Osmolytes, Antioxidants, and Transcriptional Regulation of Catalase and Heat Shock Proteins. <i>Plants</i> , 2020, 9, 431.	1.6	85
85	Genotoxic and Anatomical Deteriorations Associated with Potentially Toxic Elements Accumulation in Water Hyacinth Grown in Drainage Water Resources. <i>Sustainability</i> , 2020, 12, 2147.	1.6	13
86	HEK293 cell response to static magnetic fields via the radical pair mechanism may explain therapeutic effects of pulsed electromagnetic fields. <i>PLoS ONE</i> , 2020, 15, e0243038.	1.1	20
87	Trichoderma-Induced Improvement in Growth, Photosynthetic Pigments, Proline, and Glutathione Levels in <i>Cucurbita pepo</i> Seedlings under Salt Stress. <i>Phyton</i> , 2020, 89, 473-486.	0.4	11
88	Iron-Lysine Mediated Alleviation of Chromium Toxicity in Spinach (<i>Spinacia oleracea</i> L.) Plants in Relation to Morpho-Physiological Traits and Iron Uptake When Irrigated with Tannery Wastewater. <i>Sustainability</i> , 2020, 12, 6690.	1.6	52
89	Fertigation of Ajwain (<i>Trachyspermum ammi</i> L.) with Fe-Glutamate Confers Better Plant Performance and Drought Tolerance in Comparison with FeSO ₄ . <i>Sustainability</i> , 2020, 12, 7119.	1.6	10
90	Green synthesis of silver nanoparticles from <i>Valeriana jatamansi</i> shoots extract and its antimicrobial activity. <i>Green Processing and Synthesis</i> , 2020, 9, 715-721.	1.3	5

#	ARTICLE	IF	CITATIONS
91	Meet Our Associate Editorial Board Member. <i>Current Biotechnology</i> , 2020, 9, 159-159.	0.2	0
92	Role of ionomics in plant abiotic stress tolerance. , 2020, , 835-860.		2
93	Evaluation of the inhibitory effect of ivermectin on the growth of Babesia and Theileria parasites in vitro and in vivo. <i>Tropical Medicine and Health</i> , 2019, 47, 42.	1.0	21
94	The effects of trans-chalcone and chalcone 4 hydrate on the growth of Babesia and Theileria. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007030.	1.3	22
95	Screening the Medicines for Malaria Venture Pathogen Box against piroplasm parasites. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2019, 10, 84-90.	1.4	14
96	Introductory Chapter: Assessment and Conservation of Genetic Diversity in Plant Species. , 2019, , .		2
97	Nitrogen availability prevents oxidative effects of salinity on wheat growth and photosynthesis by up-regulating the antioxidants and osmolytes metabolism, and secondary metabolite accumulation. <i>BMC Plant Biology</i> , 2019, 19, 479.	1.6	98
98	Overexpression of Rice Rab7 Gene Improves Drought and Heat Tolerance and Increases Grain Yield in Rice (<i>Oryza sativa</i> L.). <i>Genes</i> , 2019, 10, 56.	1.0	107
99	Genetic Technologies and Enhancement of Algal Utilization in Wastewater Treatment and Bioremediation. , 2019, , 163-175.		2
100	Ellagic acid microspheres restrict the growth of Babesia and Theileria in vitro and Babesia microti in vivo. <i>Parasites and Vectors</i> , 2019, 12, 269.	1.0	39
101	Inhibitory effects of <i>Syzygium aromaticum</i> and <i>Camellia sinensis</i> methanolic extracts on the growth of Babesia and Theileria parasites. <i>Ticks and Tick-borne Diseases</i> , 2019, 10, 949-958.	1.1	40
102	Selenium protects wheat seedlings against salt stress-mediated oxidative damage by up-regulating antioxidants and osmolytes metabolism. <i>Plant Physiology and Biochemistry</i> , 2019, 137, 144-153.	2.8	156
103	Overexpression of StDREB2 Transcription Factor Enhances Drought Stress Tolerance in Cotton (<i>Gossypium barbadense</i> L.). <i>Genes</i> , 2019, 10, 142.	1.0	61
104	Overexpression of AtWRKY30 Transcription Factor Enhances Heat and Drought Stress Tolerance in Wheat (<i>Triticum aestivum</i> L.). <i>Genes</i> , 2019, 10, 163.	1.0	126
105	Large expert-curated database for benchmarking document similarity detection in biomedical literature search. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	1.4	15
106	Sodium Azide Priming Enhances Waterlogging Stress Tolerance in Okra (<i>Abelmoschus esculentus</i> L.). <i>Agronomy</i> , 2019, 9, 679.	1.3	15
107	Exogenous Nitric Oxide Mitigates Nickel-Induced Oxidative Damage in Eggplant by Upregulating Antioxidants, Osmolyte Metabolism, and Glyoxalase Systems. <i>Plants</i> , 2019, 8, 562.	1.6	67
108	<i>Azospirillum lipoferum</i> FK1 confers improved salt tolerance in chickpea (<i>Cicer arietinum</i> L.) by modulating osmolytes, antioxidant machinery and stress-related genes expression. <i>Environmental and Experimental Botany</i> , 2019, 159, 55-65.	2.0	109

#	ARTICLE	IF	CITATIONS
109	17-DMAG inhibits the multiplication of several Babesia species and Theileria equi on in vitro cultures, and Babesia microti in mice. International Journal for Parasitology: Drugs and Drug Resistance, 2018, 8, 104-111.	1.4	25
110	Effect of lipid-free microalgal biomass and waste glycerol on growth and lipid production of Scenedesmus obliquus: Innovative waste recycling for extraordinary lipid production. Bioresource Technology, 2018, 249, 992-999.	4.8	98
111	Introductory Chapter: Introduction to Biotechnological Approaches for Maize Improvement. , 2018, , .		0
112	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.	2.8	149
113	Genetic Variation and Alleviation of Salinity Stress in Barley (Hordeum vulgare L.). Molecules, 2018, 23, 2488.	1.7	55
114	Low-intensity electromagnetic fields induce human cryptochrome to modulate intracellular reactive oxygen species. PLoS Biology, 2018, 16, e2006229.	2.6	75
115	Serratia liquefaciens KM4 Improves Salt Stress Tolerance in Maize by Regulating Redox Potential, Ion Homeostasis, Leaf Gas Exchange and Stress-Related Gene Expression. International Journal of Molecular Sciences, 2018, 19, 3310.	1.8	109
116	Molecular epidemiology of Babesia species, Theileria parva, and Anaplasma marginale infecting cattle and the tick control malpractices in Central and Eastern Uganda. Ticks and Tick-borne Diseases, 2018, 9, 1475-1483.	1.1	25
117	Bioactivities of Traditional Medicinal Plants in Alexandria. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-13.	0.5	61
118	Analysis of the Genetic Diversity and Population Structure of Austrian and Belgian Wheat Germplasm within a Regional Context Based on DArT Markers. Genes, 2018, 9, 47.	1.0	26
119	The effects of nitidine chloride and camptothecin on the growth of Babesia and Theileria parasites. Ticks and Tick-borne Diseases, 2018, 9, 1192-1201.	1.1	22
120	Analysis of Genetic Variation and Enhancement of Salt Tolerance in French Pea (Pisum Sativum L.). International Journal of Molecular Sciences, 2018, 19, 2433.	1.8	45
121	Blue-light induced biosynthesis of ROS contributes to the signaling mechanism of Arabidopsis cryptochrome. Scientific Reports, 2017, 7, 13875.	1.6	91
122	SSR analysis of genetic diversity and structure of the germplasm of faba bean (Vicia faba L.). Comptes Rendus - Biologies, 2017, 340, 474-480.	0.1	32
123	Isozyme analysis of genetic variability and population structure of Lactuca L. germplasm. Biochemical Systematics and Ecology, 2017, 70, 73-79.	0.6	21
124	Genetic diversity and evolution of Brassica genetic resources: from morphology to novel genomic technologies – a review. Plant Genetic Resources: Characterisation and Utilisation, 2017, 15, 388-399.	0.4	51
125	Comparative Physiological, Biochemical, and Genetic Responses to Prolonged Waterlogging Stress in Okra and Maize Given Exogenous Ethylene Priming. Frontiers in Physiology, 2017, 8, 632.	1.3	61
126	Salicylic Acid-Regulated Antioxidant Mechanisms and Gene Expression Enhance Rosemary Performance under Saline Conditions. Frontiers in Physiology, 2017, 8, 716.	1.3	140

#	ARTICLE	IF	CITATIONS
127	Seaweed Extracts Enhance Salam Turfgrass Performance during Prolonged Irrigation Intervals and Saline Shock. <i>Frontiers in Plant Science</i> , 2017, 8, 830.	1.7	88
128	Genetic Transformation and Hairy Root Induction Enhance the Antioxidant Potential of <i>Lactuca serriola</i> L.. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-8.	1.9	58
129	Blue-light induced accumulation of reactive oxygen species is a consequence of the <i>Drosophila</i> cryptochrome photocycle. <i>PLoS ONE</i> , 2017, 12, e0171836.	1.1	38
130	Identification and Verification of QTL Associated with Frost Tolerance Using Linkage Mapping and GWAS in Winter Faba Bean. <i>Frontiers in Plant Science</i> , 2016, 7, 1098.	1.7	64
131	AFLP analysis of genetic diversity and phylogenetic relationships of <i>Brassica oleracea</i> in Ireland. <i>Comptes Rendus - Biologies</i> , 2016, 339, 163-170.	0.1	38
132	Genetic diversity and population structure of <i>Brassica oleracea</i> germplasm in Ireland using SSR markers. <i>Comptes Rendus - Biologies</i> , 2016, 339, 133-140.	0.1	57
133	Somatic Hybridization and Microspore Culture in <i>Brassica</i> Improvement. , 2016, , 599-609.		10
134	Micropropagation Technology and Its Applications for Crop Improvement. , 2016, , 523-545.		12
135	Nonzygotic Embryogenesis for Plant Development. , 2016, , 583-598.		11
136	Blue-light dependent ROS formation by <i>Arabidopsis</i> cryptochrome-2 may contribute toward its signaling role. <i>Plant Signaling and Behavior</i> , 2015, 10, e1042647.	1.2	58
137	Blue-light dependent reactive oxygen species formation by <i>Arabidopsis</i> cryptochrome may define a novel evolutionarily conserved signaling mechanism. <i>New Phytologist</i> , 2015, 206, 1450-1462.	3.5	101
138	Cellular metabolites modulate in vivo signaling of <i>Arabidopsis</i> cryptochrome-1. <i>Plant Signaling and Behavior</i> , 2015, 10, e1063758.	1.2	40
139	Taxonomic Relationships and Biochemical Genetic Characterization of <i>Brassica</i> Resources: Towards a Recent Platform for Germplasm Improvement and Utilization. <i>Annual Research & Review in Biology</i> , 2015, 8, 1-11.	0.4	12
140	Molecular Genetic Markers for Assessing the Genetic Variation and Relationships in <i>Lactuca</i> Germplasm. <i>Annual Research & Review in Biology</i> , 2015, 8, 1-13.	0.4	17
141	Karyological and Phylogenetic Studies in the Genus <i>Lactuca</i> L. (Asteraceae). <i>Cytologia</i> , 2014, 79, 269-275.	0.2	39
142	Assessment of Morphological Variation in Irish <i>Brassica oleracea</i> Species. <i>Journal of Agricultural Science</i> , 2012, 4, .	0.1	9
143	Introductory Chapter: Physical Methods for Stimulating Plant Growth and Development. , 0, , .		0
144	Introductory Chapter: Characterization and Breeding of <i>Brassica</i> Germplasm. , 0, , .		0

#	ARTICLE	IF	CITATIONS
145	Functional Role of NAC Transcription Factors in Stress Responses and Genetic Diversity of Rice Plants Grown under Salt Stress Conditions. , 0, , .		0
146	Introductory Chapter: Characterization and Improvement of Legume Crops. , 0, , .		1
147	Introductory Chapter: Crosstalk Approach for a Deeper Understanding of the Biological Processes. , 0, , .		0