## Plant phenolics: Recent advances on their biosynthesis,

Plant Physiology and Biochemistry 72, 1-20 DOI: 10.1016/j.plaphy.2013.05.009

**Citation Report** 

#	Article	IF	CITATIONS
1	Natural products – modifying metabolite pathways in plants. Biotechnology Journal, 2013, 8, 1159-1171.	3.5	70
2	Chicoric acid: chemistry, distribution, and production. Frontiers in Chemistry, 2013, 1, 40.	3.6	112
3	Flavonoids in plant rhizospheres: secretion, fate and their effects on biological communication. Plant Biotechnology, 2014, 31, 431-443.	1.0	61
4	Rapid Identification of Antioxidant Compounds of Genista saharae Coss. & Dur. by Combination of DPPH Scavenging Assay and HPTLC-MS. Molecules, 2014, 19, 4369-4379.	3.8	25
5	Effect of Combined Use of Benzothiadiazole and Methyl Jasmonate on Volatile Compounds of Monastrell Wine. American Journal of Enology and Viticulture, 2014, 65, 238-243.	1.7	23
6	MYB and bHLH transcription factor transgenes increase anthocyanin pigmentation in petunia and lisianthus plants, and the petunia phenotypes are strongly enhanced under field conditions. Frontiers in Plant Science, 2014, 5, 603.	3.6	56
7	Biochemical defense mechanisms induced in winter oilseed rape seedlings with different susceptibility to infection with Leptosphaeria maculans. Physiological and Molecular Plant Pathology, 2014, 87, 42-50.	2.5	15
8	Characterization of Metabolite Profiles of Leaves of Bilberry ( <i>Vaccinium myrtillus</i> L.) and Lingonberry ( <i>Vaccinium vitis-idaea</i> L.). Journal of Agricultural and Food Chemistry, 2014, 62, 12015-12026.	5.2	55
9	Bioefficacy of Hen Feather Keratin Hydrolysate and Compost on Vegetable Plant Growth. Compost Science and Utilization, 2014, 22, 179-187.	1.2	16
10	Allelopathic effect of fibre hemp (Cannabis sativa L.) on monocot and dicot plant species. Industrial Crops and Products, 2014, 56, 191-199.	5.2	26
11	Prospects for the use of plant cell cultures in food biotechnology. Current Opinion in Biotechnology, 2014, 26, 133-140.	6.6	92
12	An <i>Oâ€</i> methyltransferase modifies accumulation of methylated anthocyanins in seedlings of tomato. Plant Journal, 2014, 80, 695-708.	5.7	37
13	Growth and metabolism of onion seedlings as affected by the application of humic substances, mycorrhizal inoculation and elevated CO2. Scientia Horticulturae, 2014, 180, 227-235.	3.6	50
14	Butia spp. (Arecaceae): An overview. Scientia Horticulturae, 2014, 179, 122-131.	3.6	49
15	"Carbon gain vs. water saving, growth vs. defence― Two dilemmas with soluble phenolics as a joker. Plant Science, 2014, 227, 21-27.	3.6	73
16	Amino acids – A life between metabolism and signaling. Plant Science, 2014, 229, 225-237.	3.6	168
17	Identification and cloning of an NADPH-dependent hydroxycinnamoyl-CoA double bond reductase involved in dihydrochalcone formation in Malus×domestica Borkh Phytochemistry, 2014, 107, 24-31.	2.9	31
18	Plant regeneration and biochemical accumulation of hydroxybenzoic and hydroxycinnamic acid derivatives in Hypoxis hemerocallidea organ and callus cultures. Plant Science, 2014, 227, 157-164.	3.6	36

#	Article	IF	CITATIONS
19	Modifications of the chemical structure of phenolics differentially affect physiological activities in pulvinar cells of Mimosa pudica L. I. Multimode effect on early membrane events. Plant Physiology and Biochemistry, 2014, 84, 240-250.	5.8	3
20	Antibacterial, Antiviral, and Antifungal Properties of Wines and Winery Byproducts in Relation to Their Flavonoid Content. Journal of Agricultural and Food Chemistry, 2014, 62, 6025-6042.	5.2	135
21	Advances in the biotechnological glycosylation of valuable flavonoids. Biotechnology Advances, 2014, 32, 1145-1156.	11.7	254
22	Genus Cistus: a model for exploring labdane-type diterpenes' biosynthesis and a natural source of high value products with biological, aromatic, and pharmacological properties. Frontiers in Chemistry, 2014, 2, 35.	3.6	88
23	Accumulation pattern of endogenous cytokinins and phenolics in different organs of 1â€yearâ€old cytokinin preâ€incubated plants: implications for conservation. Plant Biology, 2015, 17, 1146-1155.	3.8	10
24	<scp>BAHD</scp> or <scp>SCPL</scp> acyltransferase? What a dilemma for acylation in the world of plant phenolic compounds. New Phytologist, 2015, 208, 695-707.	7.3	145
25	Finding Sensory Profilers Amongst Red Wine Composition: A Novel Nationwide Approach. Ciencia E Tecnica Vitivinicola, 2015, 30, 69-83.	0.9	2
26	Effects of Salt and Water Stress on Plant Growth and on Accumulation of Osmolytes and Antioxidant Compounds in Cherry Tomato. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2015, 43, 1-11.	1.1	95
27	Carbon Fluxes between Primary Metabolism and Phenolic Pathway in Plant Tissues under Stress. International Journal of Molecular Sciences, 2015, 16, 26378-26394.	4.1	227
28	Epiphytes Modulate Posidonia oceanica Photosynthetic Production, Energetic Balance, Antioxidant Mechanisms, and Oxidative Damage. Frontiers in Marine Science, 2015, 2, .	2.5	24
29	Characterisation of betalain biosynthesis in Parakeelya flowers identifies the key biosynthetic gene DOD as belonging to an expanded LigB gene family that is conserved in betalain-producing species. Frontiers in Plant Science, 2015, 6, 499.	3.6	33
30	Modulation of phenolic metabolism under stress conditions in a Lotus japonicus mutant lacking plastidic glutamine synthetase. Frontiers in Plant Science, 2015, 6, 760.	3.6	42
31	Mechanisms and ecological consequences of plant defence induction and suppression in herbivore communities. Annals of Botany, 2015, 115, 1015-1051.	2.9	244
32	A physiological and behavioral mechanism for leaf-herbivore induced systemic root resistance. Plant Physiology, 2015, 169, pp.00759.2015.	4.8	44
33	Phenolic fingerprint of the seagrass Posidonia oceanica from four locations in the Mediterranean Sea: first evidence for the large predominance of chicoric acid. Botanica Marina, 2015, 58, .	1.2	21
34	Phytotoxic effects of phenolic compounds on Calopogonium mucunoides (Fabaceae) roots. Australian Journal of Botany, 2015, 63, 679.	0.6	13
35	The Effect of Coumarin Application on Early Growth and Some Physiological Parameters in Faba Bean (Vicia faba L.). Journal of Plant Growth Regulation, 2015, 34, 233-241.	5.1	30
36	Understanding pea resistance mechanisms in response to Fusarium oxysporum through proteomic analysis. Phytochemistry, 2015, 115, 44-58.	2.9	47

ARTICLE IF CITATIONS Physiological role of phenolic biostimulants isolated from brown seaweed Ecklonia maxima on plant 37 3.2 51 growth and development. Planta, 2015, 241, 1313-1324. Compartmentalization, Resource Allocation, and Wood Quality. Current Forestry Reports, 2015, 1, 8-15. 7.4 Coumarin pretreatment alleviates salinity stress in wheat seedlings. Plant Physiology and 39 5.8 54 Biochemistry, 2015, 88, 27-35. Weather Variability Influences Color and Phenolic Content of Pigmented Baby Leaf Lettuces throughout the Season. Journal of Agricultural and Food Chemistry, 2015, 63, 1673-1681. Role of HXXXD-motif/BAHD acyltransferases in the biosynthesis of extracellular lipids. Plant Cell 41 72 5.6 Reports, 2015, 34, 587-601. Defensive weapons and defense signals in plants: Some metabolites serve both roles. BioEssays, 2015, 2.5 104 37, 167-174. Transcriptional control of flavonoid biosynthesis by MYB–bHLH–WDR complexes. Trends in Plant 43 8.8 1,336 Science, 2015, 20, 176-185. Regulation of Resveratrol Production in Vitis amurensis Cell Cultures by Calcium-Dependent Protein 44 2.9 Kinases. Applied Biochemistry and Biotechnology, 2015, 175, 1460-1476. Electrochemistry-based chemotaxonomy in plants using the voltammetry of microparticles 45 2.8 43 methodology. New Journal of Chemistry, 2015, 39, 7421-7428. Phytotoxicity of Euphorbia helioscopia L. on Triticum aestivum L. and Pisum sativum L. Annals of Agricultural Sciences, 2015, 60, 141-151. Phenolic composition, antioxidant capacity, energy content and gastrointestinal stability of Croatian 47 3.3 14 wild edible plants. European Food Research and Technology, 2015, 241, 573-585. In vitro culture of Achillea millefolium L.: quality and intensity of light on growth and production of volatiles. Plant Cell, Tissue and Organ Culture, 2015, 122, 299-308. 48 2.3 88 Recent advances on the development and regulation of flower color in ornamental plants. Frontiers 49 3.6 246 in Plant Science, 2015, 6, 261. Failure to launch: the self-regulating Md-MYB10 R6 gene from apple is active in flowers but not leaves of Petunia. Plant Cell Reports, 2015, 34, 1817-1823. 5.6 Nontargeted Analysis Using Ultraperformance Liquid Chromatography–Quadrupole Time-of-Flight Mass Spectrometry Uncovers the Effects of Harvest Season on the Metabolites and Taste Quality of 5.2190 51 Tea (<i>Camellia sinensis</i> L.). Journal of Agricultural and Food Chemistry, 2015, 63, 9869-9878. Developmental and metabolic plasticity of white-skinned grape berries in response to Botrytis cinerea 84 during noble rot. Plant Physiology, 2015, 169, pp.00852.2015. The effect of anthocyanin-rich bilberry extract on the antioxidant system in roots of barley (Hordeum) Tj ETQq0 0 0,rgBT /Overlock 10 Tf 54

55	Dissecting the role of two cytokinin analogues (INCYDE and PI-55) on in vitro organogenesis, phytohormone accumulation, phytochemical content and antioxidant activity. Plant Science, 2015, 238, 81-94.	3.6	19	
----	--	-----	----	--

#	Article	IF	CITATIONS
56	Effect of Trichoderma asperellum applications and mineral fertilization on growth promotion and the content of phenolic compounds and flavonoids in onions. Scientia Horticulturae, 2015, 195, 8-16.	3.6	37
57	Acylphloroglucinol biosynthesis in strawberry fruit. Plant Physiology, 2015, 169, pp.00794.2015.	4.8	22
58	Apigenin as an anti-quinolone-resistance antibiotic. International Journal of Antimicrobial Agents, 2015, 46, 666-673.	2.5	28
59	Anomeric selectivity and influenza A virus inhibition study on methoxylated analogues of Pentagalloylglucose. Carbohydrate Research, 2015, 402, 152-157.	2.3	5
60	Ferulic acid: a key component in grass lignocellulose recalcitrance to hydrolysis. Plant Biotechnology Journal, 2015, 13, 1224-1232.	8.3	210
61	Spatial and temporal dynamics of primary and secondary metabolism in <i>Phaseolus vulgaris</i> challenged by <i>Pseudomonas syringae</i> . Physiologia Plantarum, 2015, 153, 161-174.	5.2	69
62	Molecular Approaches to Genetically Improve the Accumulation of Health-Promoting Secondary Metabolites in Staple Crops—A Case Study: The Lipoxygenase-B1 Genes and Regulation of the Carotenoid Content in Pasta Products. International Journal of Molecular Sciences, 2016, 17, 1177.	4.1	27
63	Phenols and Polyphenols as Carbonic Anhydrase Inhibitors. Molecules, 2016, 21, 1649.	3.8	68
64	Degradation of Tropical Malaysian Peatlands Decreases Levels of Phenolics in Soil and in Leaves of Macaranga pruinosa. Frontiers in Earth Science, 2016, 4, .	1.8	26
65	Insoluble-Bound Phenolics in Food. Molecules, 2016, 21, 1216.	3.8	345
66	Nutraceutical Improvement Increases the Protective Activity of Broccoli Sprout Juice in a Human Intestinal Cell Model of Gut Inflammation. Pharmaceuticals, 2016, 9, 48.	3.8	21
67	The Combined Effects of Ethylene and MeJA on Metabolic Profiling of Phenolic Compounds in Catharanthus roseus Revealed by Metabolomics Analysis. Frontiers in Physiology, 2016, 7, 217.	2.8	42
68	Organ-Specific Quantitative Genetics and Candidate Genes of Phenylpropanoid Metabolism in Brassica oleracea. Frontiers in Plant Science, 2015, 6, 1240.	3.6	15
69	Molecular Cloning and Functional Characterization of a Novel (Iso)flavone 4′,7-O-diglucoside Glucosyltransferase from Pueraria lobata. Frontiers in Plant Science, 2016, 7, 387.	3.6	31
70	Clycosylation Is a Major Regulator of Phenylpropanoid Availability and Biological Activity in Plants. Frontiers in Plant Science, 2016, 7, 735.	3.6	268
71	Exploiting Phenylpropanoid Derivatives to Enhance the Nutraceutical Values of Cereals and Legumes. Frontiers in Plant Science, 2016, 7, 763.	3.6	24
72	Biosynthesis and Metabolic Fate of Phenylalanine in Conifers. Frontiers in Plant Science, 2016, 7, 1030.	3.6	98
73	Oxidative stress and antioxidant responses to increasing concentrations of trivalent chromium in the Andean crop species Chenopodium quinoa Willd. Ecotoxicology and Environmental Safety, 2016, 133. 25-35.	6.0	35

# 74	ARTICLE Soil Microbial Metabolomics. , 2016, , 147-198.	IF	Citations
75	Genetics of Pigment Biosynthesis and Degradation. Compendium of Plant Genomes, 2016, , 149-161.	0.5	6
76	Does leaf optical absorbance reflect the polyphenol content of alpine plants along an elevational gradient?. Alpine Botany, 2016, 126, 177-185.	2.4	14
77	Grapevine adaptations to water stress: new perspectives about soil/plant interactions. Theoretical and Experimental Plant Physiology, 2016, 28, 53-66.	2.4	62
78	Effect of salt stress on growth, chlorophyll content, lipid peroxidation and antioxidant defence systems in Phaseolus vulgaris L South African Journal of Botany, 2016, 105, 306-312.	2.5	350
79	Water stress induces changes in polyphenol profile and antioxidant capacity in poplar plants () Tj ETQq1 1 0.7843	314 rgBT /0 5.8	Oyerlock 1(
80	Metabolite profiling and antioxidative activity of Sage (Salvia fruticosa Mill.) under the influence of genotype and harvesting period. Industrial Crops and Products, 2016, 94, 240-250.	5.2	54
81	Plant Secondary Metabolites as Rodent Repellents: a Systematic Review. Journal of Chemical Ecology, 2016, 42, 970-983.	1.8	35
82	Proteomic analysis highlights the role of detoxification pathways in increased tolerance to Huanglongbing disease. BMC Plant Biology, 2016, 16, 167.	3.6	53
83	Augmentation of systemic resistance and secondary metabolites by chitinolytic microbes in Withania somnifera against Meloidogyne incognita. Biocontrol Science and Technology, 2016, 26, 1626-1642.	1.3	16
84	Integrated proteomics and metabolomics to unlock global and clonal responses of Eucalyptus globulus recovery from water deficit. Metabolomics, 2016, 12, 1.	3.0	41
85	Comparative analysis of some biochemical parameters of argan pulp morphotypes (Argania spinosa (L)) Tj ETQq1 Physiology and Molecular Biology of Plants, 2016, 22, 361-370.	1 0.7843] 3.1	14 rgBT /Ov 9
86	NAD Acts as an Integral Regulator of Multiple Defense Layers. Plant Physiology, 2016, 172, 1465-1479.	4.8	85
87	Phenolic profiling of green lentil (Lens culinaris Medic.) seeds subjected to long-term storage. European Food Research and Technology, 2016, 242, 2161-2170.	3.3	13
88	QTL analysis for the identification of candidate genes controlling phenolic compound accumulation in broccoli (Brassica oleracea L. var. italica). Molecular Breeding, 2016, 36, 1.	2.1	7
89	Species-specific differences in synthesis of flavonoids and phenolic acids under increasing periods of enhanced blue light. Environmental and Experimental Botany, 2016, 121, 145-150.	4.2	110
90	The Intelligent Behavior of Plants. Trends in Plant Science, 2016, 21, 286-294.	8.8	80
91	Biodegradation of 3,3′,4,4′-tetrachlorobiphenyl by Sinorhizobium meliloti NM. Bioresource Technology, 2016, 201, 261-268.	9.6	33

#	Article	IF	Citations
92	Rootstock effect on serotonin and nutritional quality of tomatoes produced under low temperature and light conditions. Journal of Food Composition and Analysis, 2016, 46, 50-59.	3.9	26
93	Comparison of bioactive potential of cranberry fruit and fruit-based products versus leaves. Journal of Functional Foods, 2016, 22, 232-242.	3.4	44
94	Effects of salicylic acid on growth and accumulation of phenolics in <i>Zea mays</i> L. under drought stress. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2016, 66, 325-332.	0.6	12
95	Seasonal variation and gender pattern of phenolic and flavonoid contents in Pistacia chinensis Bunge inflorescences and leaves. Journal of Plant Physiology, 2016, 191, 36-44.	3.5	14
96	Valorization of solid wastes from chestnut industry processing: Extraction and optimization of polyphenols, tannins and ellagitannins and its potential for adhesives, cosmetic and pharmaceutical industry. Waste Management, 2016, 48, 457-464.	7.4	95
97	Environmentally induced changes in antioxidant phenolic compounds levels in wild plants. Acta Physiologiae Plantarum, 2016, 38, 1.	2.1	68
98	Modifications of the chemical structure of phenolics differentially affect physiological activities in pulvinar cells of Mimosa pudica L. II. Influence of various molecular properties in relation to membrane transport. Environmental Science and Pollution Research, 2017, 24, 6910-6922.	5.3	7
99	Plant polyphenol content, soil fertilization and agricultural management: a review. European Food Research and Technology, 2017, 243, 1107-1115.	3.3	121
100	Worldwide (poly)phenol intake: assessment methods and identified gaps. European Journal of Nutrition, 2017, 56, 1393-1408.	3.9	55
101	Epimetabolites: discovering metabolism beyond building and burning. Current Opinion in Chemical Biology, 2017, 36, 70-76.	6.1	45
102	<i>Trichoderma virens</i> 106 inoculation stimulates defence enzyme activities and enhances phenolic levels in tomato plants leading to lowered <i>Rhizoctonia solani</i> infection. Biocontrol Science and Technology, 2017, 27, 180-199.	1.3	22
103	UPLC–qTOF-MS/MS-based phenolic profile and their biosynthetic enzyme activity used to discriminate between cashew apple ( Anacardium occidentale L.) maturation stages. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1051, 24-32.	2.3	31
104	Essential Oil and Bioactive Compounds Variation in Myrtle ( <i>Myrtus communis</i> L.) as Affected by Seasonal Variation and Salt Stress. Chemistry and Biodiversity, 2017, 14, e1600365.	2.1	22
105	Impact of bioaccessibility and bioavailability of phenolic compounds in biological systems upon the antioxidant activity of the ethanolic extract of Triplaris gardneriana seeds. Biomedicine and Pharmacotherapy, 2017, 88, 999-1007.	5.6	29
106	UV–vis spectroscopy and colorimetric models for detecting anthocyanin-metal complexes in plants: An overview of in vitro and in vivo techniques. Journal of Plant Physiology, 2017, 212, 13-28.	3.5	86
107	Plant Flavonoids: Key Players in Signaling, Establishment, and Regulation of Rhizobial and Mycorrhizal Endosymbioses. , 2017, , 133-176.		18
108	A Native Parasitic Plant Systemically Induces Resistance in Jack Pine to a Fungal Symbiont of Invasive Mountain Pine Beetle. Journal of Chemical Ecology, 2017, 43, 506-518.	1.8	7
109	Improved ganoderic acids production in Ganoderma lucidum by wood decaying components. Scientific Reports, 2017, 7, 46623.	3.3	21

ARTICLE IF CITATIONS Expression of the R2R3 MYB transcription factors in Vitis amurensis Rupr. plants and cell cultures 110 0.6 12 with different resveratrol content. Russian Journal of Genetics, 2017, 53, 465-471. Plant metabolism as studied by NMR spectroscopy. Progress in Nuclear Magnetic Resonance Spectroscopy, 2017, 102-103, 61-97. Synergistic Effects of <scp>l</scp>-Arginine and Methyl Salicylate on Alleviating Postharvest Disease 112 Caused by <i>Botrysis cinerea</i> in Tomato Fruit. Journal of Agricultural and Food Chemistry, 2017, 5.2 51 65, 4890-4896. Growth strategy, phylogeny and stoichiometry determine the allelopathic potential of native and nonâ€native plants. Oikos, 2017, 126, 1770-1779. Metabolomics analysis reveals the metabolic and functional roles of flavonoids in light-sensitive tea 114 3.6 93 leaves. BMC Plant Éiology, 2017, 17, 64. Early metabolic and transcriptional variations in fruit of natural white-fruited Fragaria vesca genotypes. Scientific Reports, 2017, 7, 45113. 3.3 44 Anthocyanins., 2017,, 355-363. 116 8 Genetic diversity and metabolic profile of Salvia officinalis populations: implications for advanced 29 3.2 breeding strategies. Planta, 2017, 246, 201-215. 118 Physiological, Metabolic, and Molecular Responses of Plants to Abiotic Stress., 2017, , 1-35. 18 Water-deficit and fungal infection can differentially affect the production of different classes of 3.1 defense compounds in two host pines of mountain pine beetle. Tree Physiology, 2017, 37, 338-350. Elicitation: a stimulation of stress in in vitro plant cell/tissue cultures for enhancement of 120 210 6.5 secondary metabolite production. Phytochemistry Reviews, 2017, 16, 1227-1252. The interaction between mycorrhizal inoculation, humic acids supply and elevated atmospheric CO2 increases energetic and antioxidant properties and sweetness of yellow onion. Horticulture Environment and Biotechnology, 2017, 58, 432-440. 2.1 Application of Targeted Metabolomics to Investigate Optimum Growing Conditions to Enhance 122 5.2 19 Bioactive Content of Strawberry. Journal of Agricultural and Food Chemistry, 2017, 65, 9559-9567. Recent Advances in the Active Biomolecules Involved in Rhizobia-Legume Symbiosis., 2017, , 45-74. Gamma irradiation of medicinally important plants and the enhancement of secondary metabolite 125 1.8 56 production. International Journal of Radiation Biology, 2017, 93, 967-979. Foliar application of selenium increases fertility and grain yield in bread wheat under contrasting water availability regimes. Acta Physiologiae Plantarum, 2017, 39, 1. Tolerance of Japanese knotweed s.l. to soil artificial polymetallic pollution: early metabolic responses 127 and performance during vegetative multiplication. Environmental Science and Pollution Research, 5.330 2017, 24, 20897-20907. Solid state fermentation of fig (Ficus carica L.) by-products using fungi to obtain phenolic compounds with antioxidant activity and qualitative evaluation of phenolics obtained. Process 54 Biochemistry, 2017, 62, 16-23.

#	Article	IF	CITATIONS
129	Cycloheximide-induced phenolic burst in roots of Pisum sativum L Applied Biochemistry and Microbiology, 2017, 53, 568-572.	0.9	5
130	Medicinal Plants: Influence of Environmental Factors on the Content of Secondary Metabolites. , 2017, , 259-277.		42
131	Don't leave me behind: viability of vegetative propagules of the clonal invasive Carpobrotus edulis and implications for plant management. Biological Invasions, 2017, 19, 2171-2183.	2.4	13
132	Regulation of stilbene biosynthesis in plants. Planta, 2017, 246, 597-623.	3.2	112
133	Reduction of soil-borne pathogen Fusarium solani reproduction in soil enriched with phenolic acids by inoculation of endophytic fungus Phomopsis liquidambari. BioControl, 2017, 62, 111-123.	2.0	17
134	Photoprotective and antioxidant responses to light spectrum and intensity variations in the coastal diatom <scp><i>S</i></scp> <i>keletonema marinoi</i> . Environmental Microbiology, 2017, 19, 611-627.	3.8	50
135	Hydrated electron (eaqâ^') generation from phenol/UV: Efficiency, influencing factors, and mechanism. Applied Catalysis B: Environmental, 2017, 200, 585-593.	20.2	55
136	Droughtâ€related secondary metabolites of barley ( <i>Hordeum vulgare</i> L.) leaves and their metabolomic quantitative trait loci. Plant Journal, 2017, 89, 898-913.	5.7	83
137	A Maize Gene Regulatory Network for Phenolic Metabolism. Molecular Plant, 2017, 10, 498-515.	8.3	74
138	Growth, hydrolases and ultrastructure of Fusarium oxysporum as affected by phenolic rich extracts from several xerophytic plants. Pesticide Biochemistry and Physiology, 2017, 141, 57-64.	3.6	44
139	Reuse potential of vegetable wastes (broccoli, green bean and tomato) for the recovery of antioxidant phenolic acids and flavonoids. International Journal of Food Science and Technology, 2017, 52, 98-107.	2.7	46
141	A Comparison of Phenylpropanoid Pathway Gene Families in Common Bean. Focus on P450 and C4H Genes. Compendium of Plant Genomes, 2017, , 219-261.	0.5	7
142	Light spectral effects on phenolic compounds in <i>Perilla frutescens</i> leaves as related to the leaf age, color and duration of exposure. Acta Horticulturae, 2017, , 981-988.	0.2	5
143	Allelopathy and the Role of Allelochemicals in Plant Defence. Advances in Botanical Research, 2017, , 19-54.	1.1	128
144	Phenolic profiles in apple leaves and the efficacy of selected phenols against fire blight (Erwinia) Tj ETQq0 0 0 rgE	3T /Qverloo 1.7	ck ]0 Tf 50 18
145	Effect of Drought and Salinity on Volatile Organic Compounds and Other Secondary Metabolites of Citrus aurantium Leaves. Natural Product Communications, 2017, 12, 1934578X1701200.	0.5	3
146	The effects of plant density and irrigation on phenolic content in cauliflower. Zahradnictvi (Prague,) Tj ETQq0 0 C	rgBT /Ove	erlock 10 Tf 5
147	Phenolics in Foods: Extraction Analysis and Measurements 0		91

#	Article	IF	CITATIONS
148	Secondary Metabolic Profiles of Two Cultivars of Piper nigrum (Black Pepper) Resulting from Infection by Fusarium solani f. sp. piperis. International Journal of Molecular Sciences, 2017, 18, 2434.	4.1	12
149	Flavonoids: Antioxidant Compounds for Plant Defence and for a Healthy Human Diet. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2017, 46, 14-21.	1.1	44
150	Effect of Light- and Dark-Germination on the Phenolic Biosynthesis, Phytochemical Profiles, and Antioxidant Activities in Sweet Corn (Zea mays L.) Sprouts. International Journal of Molecular Sciences, 2017, 18, 1246.	4.1	45
151	Aeluropus littoralis maintains adequate gas exchange, pigment composition and phenolic contents under combined effects of salinity and phosphorus deficiency. Australian Journal of Botany, 2017, 65, 453.	0.6	10
152	Studies on Chemical Composition and Antioxidant Activity of <i>Rudbeckia triloba</i> . Journal of Analytical Methods in Chemistry, 2017, 2017, 1-8.	1.6	8
153	Sinapinic and protocatechuic acids found in rapeseed: isolation, characterisation and potential benefits for human health as functional food ingredients. Irish Journal of Agricultural and Food Research, 2017, 56, 104-119.	0.4	17
154	DPPH Radical Scavenging and Postprandial Hyperglycemia Inhibition Activities and Flavonoid Composition Analysis of Hawk Tea by UPLC-DAD and UPLC-Q/TOF MSE. Molecules, 2017, 22, 1622.	3.8	19
155	Phenolic Composition of Leaf extracts of Ailanthus altissima (Simaroubaceae) with Antibacterial and Antifungal Activity Equivalent to Standard Antibiotics. Natural Product Communications, 2017, 12, 1934578X1701201.	0.5	10
156	Effect of organic agronomic techniques and packaging on the quality of lamb's lettuce. Journal of the Science of Food and Agriculture, 2018, 98, 4606-4615.	3.5	4
157	Effects of soil pyrene contamination on growth and phenolics in Norway spruce (Picea abies) are modified by elevated temperature and CO2. Environmental Science and Pollution Research, 2018, 25, 12788-12799.	5.3	10
158	Olive oil quality response to irrigation cut-off strategies in a super-high density orchard. Agricultural Water Management, 2018, 202, 81-88.	5.6	31
159	Transcriptional Roadmap to Seasonal Variation in Wood Formation of Norway Spruce. Plant Physiology, 2018, 176, 2851-2870.	4.8	40
160	Metabolomics assisted fingerprint of Hypericum perforatum chemotypes and assessment of their cytotoxic activity. Food and Chemical Toxicology, 2018, 114, 325-333.	3.6	24
161	Endophyte-Mediated Modulation of Defense-Related Genes and Systemic Resistance in Withania somnifera (L.) Dunal under Alternaria alternata Stress. Applied and Environmental Microbiology, 2018, 84, .	3.1	56
162	The effect of greenhouse covering materials on phytochemical composition and antioxidant capacity of tomato cultivars. Journal of the Science of Food and Agriculture, 2018, 98, 4427-4435.	3.5	8
163	Genetic analysis of the liverwort <i>Marchantia polymorpha</i> reveals that R2R3 <scp>MYB</scp> activation of flavonoid production in response to abiotic stress is an ancient character in land plants. New Phytologist, 2018, 218, 554-566.	7.3	98
164	Efficient CRISPR/Cas9-based genome editing in carrot cells. Plant Cell Reports, 2018, 37, 575-586.	5.6	130
165	Biosynthesis of flavone C-glucosides in engineered Escherichia coli. Applied Microbiology and Biotechnology, 2018, 102, 1251-1267.	3.6	35

#	Article	IF	CITATIONS
166	Pulse seed germination improves antioxidative activity of phenolic compounds in stripped soybean oil-in-water emulsions. Food Chemistry, 2018, 250, 140-147.	8.2	24
167	Confirmation of the antiviral properties of medicinal plants <i>via</i> chemical analysis, machine learning methods and antiviral tests: a methodological approach. Analytical Methods, 2018, 10, 1875-1885.	2.7	13
168	Characterization of new flavan-3-ol derivatives in fermented cocoa beans. Food Chemistry, 2018, 259, 207-212.	8.2	18
169	Structural and ultrastructural variations in roots of Calopogonium mucunoides Desv. treated with phenolic compounds from Urochloa humidicola (Rendle) Morrone & Zuloaga and phenolic commercial standards. South African Journal of Botany, 2018, 116, 142-149.	2.5	7
170	Sex-related responses of European aspen (Populus tremula L.) to combined stress: TiO2 nanoparticles, elevated temperature and CO2 concentration. Journal of Hazardous Materials, 2018, 352, 130-138.	12.4	12
171	The root of the matter: Linking root traits and soil organic matter stabilization processes. Soil Biology and Biochemistry, 2018, 120, 246-259.	8.8	219
172	Signal transduction in artichoke [Cynara cardunculus L. subsp. scolymus (L.) Hayek] callus and cell suspension cultures under nutritional stress. Plant Physiology and Biochemistry, 2018, 127, 97-103.	5.8	13
173	Class III Peroxidases: Functions, Localization and Redox Regulation of Isoenzymes. , 2018, , 269-300.		33
174	Phenylpropanoids are key players in the antioxidant defense to ozone of European ash, Fraxinus excelsior. Environmental Science and Pollution Research, 2018, 25, 8137-8147.	5.3	30
175	The redox state of the apoplast influences the acclimation of photosynthesis and leaf metabolism to changing irradiance. Plant, Cell and Environment, 2018, 41, 1083-1097.	5.7	47
176	Isolation, structural characterization and bioactivities of naturally occurring polysaccharide–polyphenolic conjugates from medicinal plants—A reivew. International Journal of Biological Macromolecules, 2018, 107, 2242-2250.	7.5	68
177	Does salinity modify anatomy and biochemistry of Olea europaea L. fruit during ripening?. Scientia Horticulturae, 2018, 228, 33-40.	3.6	6
178	Recent advances in understanding the anti-obesity activity of anthocyanins and their biosynthesis in microorganisms. Trends in Food Science and Technology, 2018, 72, 13-24.	15.1	138
179	Biochemical and Structural Analysis of Substrate Specificity of a Phenylalanine Ammonia-Lyase. Plant Physiology, 2018, 176, 1452-1468.	4.8	99
180	Struggle to survive: aphid—plant relationships under low-light stress. A case of Acyrthosiphon pisum (Harris) and Pisum sativum L. Arthropod-Plant Interactions, 2018, 12, 97-111.	1.1	12
181	Verticillium wilt caused by Verticillium dahliae in woody plants with emphasis on olive and shade trees. European Journal of Plant Pathology, 2018, 150, 21-37.	1.7	27
182	Micromosaic Structure of Vegetation and Variability of the Chemical Composition of L Layer of the Litter in Dwarf Shrub–Green Moss Spruce Forests of the Northern Taiga. Contemporary Problems of Ecology, 2018, 11, 754-761.	0.7	2
183	Corn Tassel: A New Source of Phytochemicals and Antioxidant Potential for Value-Added Product Development in the Agro-Industry. Agronomy, 2018, 8, 242.	3.0	7

#	Article	IF	CITATIONS
184	Genetic Variation in Resistance to Valsa canker is Related to Arbutin and Gallic Acid Content in Pyrus bretschneideri. Horticultural Plant Journal, 2018, 4, 233-238.	5.0	11
185	Biochemical and microbiological activity of soil contaminated with o-cresol and biostimulated with Perna canaliculus mussel meal. Environmental Monitoring and Assessment, 2018, 190, 602.	2.7	12
186	Comparative effects of arsenite (As(III)) and arsenate (As(V)) on whole plants and cell lines of the arsenic-resistant halophyte plant species Atriplex atacamensis. Environmental Science and Pollution Research, 2018, 25, 34473-34486.	5.3	22
187	Structural characterization of vegetative organs of the endangered Brazilian native species Hesperozygis ringens (Benth.) Epling. Anais Da Academia Brasileira De Ciencias, 2018, 90, 2887-2901.	0.8	1
188	Foliar Application of Copper Nanoparticles Increases the Fruit Quality and the Content of Bioactive Compounds in Tomatoes. Applied Sciences (Switzerland), 2018, 8, 1020.	2.5	158
189	A Comparative Metabolomics Analysis Reveals the Tissue-Specific Phenolic Profiling in Two Acanthopanax Species. Molecules, 2018, 23, 2078.	3.8	20
190	Role of Antioxidant Phytochemicals in Prevention, Formation and Treatment of Cancer. , 2018, , .		13
191	Activity Essential Residue Analysis of Taxoid 10β-O-Acetyl Transferase for Enzymatic Synthesis of Baccatin. Applied Biochemistry and Biotechnology, 2018, 186, 949-959.	2.9	7
192	Recent advances in flavonoid-grafted polysaccharides: Synthesis, structural characterization, bioactivities and potential applications. International Journal of Biological Macromolecules, 2018, 116, 1011-1025.	7.5	87
193	In vitro evaluation of phenolic and osmolite compounds, ionic content, and antioxidant activity in safflower (Carthamus tinctorius L.) under salinity stress. Plant Cell, Tissue and Organ Culture, 2018, 134, 357-368.	2.3	40
195	Response of cherry tomato seedlings to liquid fertiliser application under water stress. Zahradnictvi (Prague, Czech Republic: 1992), 2018, 45, 22-28.	0.9	2
196	Encapsulation of natural active compounds, enzymes, and probiotics for fruit juice fortification, preservation, and processing: An overview. Journal of Functional Foods, 2018, 48, 65-84.	3.4	59
197	Seasonal Effect on the Biological Activities of <i> Litsea glaucescens</i> Kunth Extracts. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-11.	1.2	17
198	One-Pot Multienzyme Cofactors Recycling (OPME-CR) System for Lactose and Non-natural Saccharide Conjugated Polyphenol Production. Journal of Agricultural and Food Chemistry, 2018, 66, 7965-7974.	5.2	6
199	Potassium-induced plant resistance against soybean cyst nematode via root exudation of phenolic acids and plant pathogen-related genes. PLoS ONE, 2018, 13, e0200903.	2.5	28
200	Emerging technologies for the extraction of polyphenols from natural sources. , 2018, , 265-293.		7
201	Focus on putative serine carboxypeptidase-like acyltransferases in grapevine. Plant Physiology and Biochemistry, 2018, 130, 356-366.	5.8	25
202	Change in biochemical parameters of Persian oak (Quercus brantii Lindl.) seedlings inoculated by pathogens of charcoal disease under water deficit conditions. Trees - Structure and Function, 2018, 2	1.9	16

#	Article	IF	CITATIONS
203	UVR8â€mediated induction of flavonoid biosynthesis for UVB tolerance is conserved between the liverwort <i>Marchantia polymorpha</i> and flowering plants. Plant Journal, 2018, 96, 503-517.	5.7	93
204	COP9 signalosome subunit 5A affects phenylpropanoid metabolism, trichome formation and transcription of key genes of a regulatory tri-protein complex in Arabidopsis. BMC Plant Biology, 2018, 18, 134.	3.6	13
205	Bioactivities of Phenolics by Focusing on Suppression of Chronic Diseases: A Review. International Journal of Molecular Sciences, 2018, 19, 1573.	4.1	277
206	Early Detection of Vitality Changes of Multi-Temporal Norway Spruce Laboratory Needle Measurements—The Ring-Barking Experiment. Remote Sensing, 2018, 10, 57.	4.0	8
207	Flavonoids and Phenolic Acids from Oregano: Occurrence, Biological Activity and Health Benefits. Plants, 2018, 7, 2.	3.5	146
208	Association mapping for total polyphenol content, total flavonoid content and antioxidant activity in barley. BMC Genomics, 2018, 19, 81.	2.8	45
209	Accumulation of Phenolic Compounds at the Initial Steps of Ontogenesis of Fagopyrum esculentum Plants That Differ in Their Ploidy Levels. Biology Bulletin, 2018, 45, 171-178.	0.5	5
210	Quality and intensity of light affect Lippia gracilis Schauer plant growth and volatile compounds in vitro. Plant Cell, Tissue and Organ Culture, 2018, 135, 367-379.	2.3	34
211	Enhanced electrochemical voltammetric fingerprints for plant taxonomic sensing. Biosensors and Bioelectronics, 2018, 120, 102-107.	10.1	67
212	Proline accumulation induces the production of total phenolics in transgenic tobacco plants under water deficit without increasing the G6PDH activity. Theoretical and Experimental Plant Physiology, 2018, 30, 251-260.	2.4	47
213	Phenolic Acids From Plants: Extraction and Application to Human Health. Studies in Natural Products Chemistry, 2018, , 389-417.	1.8	63
214	Oxalyltransferase, a plant cellâ€wall acyltransferase activity, transfers oxalate groups from ascorbate metabolites to carbohydrates. Plant Journal, 2018, 95, 743-757.	5.7	7
215	Environmental Stress and Secondary Metabolites in Plants. , 2018, , 153-167.		56
216	Coordinated Regulation of Photosynthesis in Plants Increases Yield and Resistance to Different Types of Environmental Stress. , 2018, , 281-309.		2
217	Toward Understanding the Repeated Occurrence of Associations between Melanin-Based Coloration and Multiple Phenotypes. American Naturalist, 2018, 192, 111-130.	2.1	56
218	Transcriptional regulation of the anthocyanin biosynthesis pathway in developing grapevine berries in cultivar 'Malbec' by putative R2R3 MYB negative regulators. Scientia Horticulturae, 2019, 257, 108663.	3.6	7
219	Phenolic Phytochemicals: Sources, Biosynthesis, Extraction, and Their Isolation. , 2019, , 13-44.		4
220	Role of Dietary Flavonoids in Iron Homeostasis. Pharmaceuticals, 2019, 12, 119.	3.8	35

#	Article	IF	CITATIONS
221	Efficient isolation of protoplasts from freesia callus and its application in transient expression assays. Plant Cell, Tissue and Organ Culture, 2019, 138, 529-541.	2.3	18
222	Concentrations of sunflower phenolics appear insufficient to explain resistance to floret- and seed-feeding caterpillars. Arthropod-Plant Interactions, 2019, 13, 915-921.	1.1	3
223	Variation in Phenolic Compounds Content and Antioxidant Activity of Different Plant Organs from Rumex crispus L. and Rumex obtusifolius L. at Different Growth Stages. Antioxidants, 2019, 8, 237.	5.1	75
224	Role of Some Food-Grade Synthesized Flavonoids on the Control of Ochratoxin A in Aspergillus carbonarius. Molecules, 2019, 24, 2553.	3.8	9
225	Seasonal Physiological Parameters and Phytotelmata Bacterial Diversity of Two Bromeliad Species (Aechmea gamosepala and Vriesea platynema) from the Atlantic Forest of Southern Brazil. Diversity, 2019, 11, 111.	1.7	11
226	Polyphenols: A concise overview on the chemistry, occurrence, and human health. Phytotherapy Research, 2019, 33, 2221-2243.	5.8	493
227	Functional diversity of cultivable endophytes from Cicer arietinum and Pisum sativum: Bioprospecting their plant growth potential. Biocatalysis and Agricultural Biotechnology, 2019, 20, 101229.	3.1	28
228	Response of Phenylpropanoid Pathway and the Role of Polyphenols in Plants under Abiotic Stress. Molecules, 2019, 24, 2452.	3.8	999
229	Is a blue–red light a good elicitor of phenolic compounds in the family Droseraceae? A comparative study. Journal of Photochemistry and Photobiology B: Biology, 2019, 201, 111679.	3.8	19
230	Functional analysis of GhCHS, GhANR and GhLAR in colored fiber formation of Gossypium hirsutum L. BMC Plant Biology, 2019, 19, 455.	3.6	30
231	Identification of QTLs associated with p-coumaric acid and ferulic acid in barley. Euphytica, 2019, 215, 1.	1.2	1
232	Influence of seasonality on the phenolic composition of Secondatia floribunda A.DC (Apocynaceae) during its phenological cycle. Acta Physiologiae Plantarum, 2019, 41, 1.	2.1	7
233	The accumulation of phenolic compounds and increased activities of related enzymes contribute to early defense against walnut blight. Physiological and Molecular Plant Pathology, 2019, 108, 101433.	2.5	32
234	Improving the Health Benefits of Snap Bean: Genome-Wide Association Studies of Total Phenolic Content. Nutrients, 2019, 11, 2509.	4.1	27
235	Application of supplemental UVâ€B radiation in preâ€harvest to enhance healthâ€promoting compounds accumulation in green and red lettuce. Journal of Food Processing and Preservation, 2019, 43, e14213.	2.0	12
236	Cyclodextrin-Elicited Bryophyllum Suspension Cultured Cells: Enhancement of the Production of Bioactive Compounds. International Journal of Molecular Sciences, 2019, 20, 5180.	4.1	23
237	Reversion of in vivo fibrogenesis by novel chromone scaffolds. EBioMedicine, 2019, 39, 484-496.	6.1	9
238	Extraction of phytochemicals from tomato leaf waste using subcritical carbon dioxide. Innovative Food Science and Emerging Technologies, 2019, 57, 102204.	5.6	21

#	Article	IF	CITATIONS
239	Shikimic Acid Pathway in Biosynthesis of Phenolic Compounds. , 0, , .		64
240	Extraction Techniques of Phenolic Compounds from Plants. , 0, , .		23
241	Impact of Colletotrichum acutatum Pathogen on Olive Phenylpropanoid Metabolism. Agriculture (Switzerland), 2019, 9, 173.	3.1	13
242	Sustainable Crop Production Systems and Human Nutrition. Frontiers in Sustainable Food Systems, 2019, 3, .	3.9	24
243	Auronidins are a previously unreported class of flavonoid pigments that challenges when anthocyanin biosynthesis evolved in plants. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20232-20239.	7.1	63
244	What is responsible for antioxidant properties of polyphenolic compounds from plants?. Plant Physiology and Biochemistry, 2019, 144, 135-143.	5.8	210
245	Age-related variation of polyphenol content and expression of phenylpropanoid biosynthetic genes in Agastache rugosa. Industrial Crops and Products, 2019, 141, 111743.	5.2	14
246	The effect of NaCl on some physiological and biochemical parameters in Triticum aestivum L. genotypes. Plant Physiology Reports, 2019, 24, 370-375.	1.5	9
247	Medicinal Plants of the Peruvian Amazon: Bioactive Phytochemicals, Mechanisms of Action, and Biosynthetic Pathways. , 2019, , .		0
248	Trichome Independent Resistance against Western Flower Thrips in Tomato. Plant and Cell Physiology, 2019, 60, 1011-1024.	3.1	12
249	Evaluation of ACC-deaminase-producing rhizobacteria to alleviate water-stress impacts in wheat ( <i>Triticum aestivum</i> L.) plants. Canadian Journal of Microbiology, 2019, 65, 387-403.	1.7	86
250	Phenolic Content and Antioxidant Activity in Trifolium Germplasm from Different Environments. Molecules, 2019, 24, 298.	3.8	19
251	Metabolomic Analysis of Defense-Related Reprogramming in Sorghum bicolor in Response to Colletotrichum sublineolum Infection Reveals a Functional Metabolic Web of Phenylpropanoid and Flavonoid Pathways. Frontiers in Plant Science, 2018, 9, 1840.	3.6	83
252	Role of Phenols in Energy and Functional Beverages. , 2019, , 229-268.		1
253	Review of the Effect of Natural Compounds and Extracts on Neurodegeneration in Animal Models of Diabetes Mellitus. International Journal of Molecular Sciences, 2019, 20, 2533.	4.1	24
254	Qualitative and quantitative analyses of phenolic compounds by HPLC–DAD–ESI/MS in Tunisian Pistacia vera L. Leaves unveiled a rich source of phenolic compounds with a significant antioxidant potential. Journal of Food Measurement and Characterization, 2019, 13, 2448-2460.	3.2	6
255	First insight into the phenolic content of Spartina maritima: isolation, characterization and quantification of four C-glycosidic flavonoids. Botanica Marina, 2019, 62, 379-389.	1.2	1
256	Environmental Stress and Secondary Metabolites. Shokubutsu Kankyo Kogaku, 2019, 31, 7-20.	0.1	1

#	Article	IF	CITATIONS
257	The Structure and Function of Major Plant Metabolite Modifications. Molecular Plant, 2019, 12, 899-919.	8.3	250
258	Phosphorus and iron in soil play dominating roles in regulating bioactive compounds of Glechoma longituba (Nakai) Kupr. Scientia Horticulturae, 2019, 256, 108534.	3.6	4
259	Antioxidant and Photoprotection Networking in the Coastal Diatom Skeletonema marinoi. Antioxidants, 2019, 8, 154.	5.1	56
260	Shade netting on subtropical fruit: Effect on environmental conditions, tree physiology and fruit quality. Scientia Horticulturae, 2019, 256, 108556.	3.6	52
261	Strigolactones shape the rhizomicrobiome in rice (Oryza sativa). Plant Science, 2019, 286, 118-133.	3.6	34
262	Inside and Beyond Color: Comparative Overview of Functional Quality of Tomato and Watermelon Fruits. Frontiers in Plant Science, 2019, 10, 769.	3.6	67
263	Identification of Salt and Drought Biochemical Stress Markers in Several Silene vulgaris Populations. Sustainability, 2019, 11, 800.	3.2	19
264	Effect of gibberellins on growth and biochemical constituents in Chlorella minutissima (Trebouxiophyceae). South African Journal of Botany, 2019, 126, 92-98.	2.5	13
265	Phytochemical Analysis, Antioxidant and Analgesic Activities of Incarvillea compacta Maxim from the Tibetan Plateau. Molecules, 2019, 24, 1692.	3.8	10
266	Metabolic diversity and genetic association between wild populations of Verbascum songaricum (Scrophulariaceae). Industrial Crops and Products, 2019, 137, 112-125.	5.2	23
267	Deciphering the phenolic acid reserves and antioxidant activity within the protocorm like bodies of Ansellia africana: A vulnerable medicinal orchid. Industrial Crops and Products, 2019, 135, 21-29.	5.2	21
268	Variability in Anthocyanins, Phenolic Compounds and Antioxidant Capacity in the Tassels of Collected Waxy Corn Germplasm. Agronomy, 2019, 9, 158.	3.0	9
269	Antioxidant Activities of Vaccinium vitis-idaea L. Leaves within Cultivars and Their Phenolic Compounds. Molecules, 2019, 24, 844.	3.8	46
270	Morphological and Biochemical Responses of Glycine max (L.) Merr. to the Use of Seaweed Extract. Agronomy, 2019, 9, 93.	3.0	39
271	Effect of Arbuscular Mycorrhizal Fungi, Selenium and Biochar on Photosynthetic Pigments and Antioxidant Enzyme Activity Under Arsenic Stress in Mung Bean (Vigna radiata). Frontiers in Physiology, 2019, 10, 193.	2.8	57
272	Enhanced antimicrobial activities of polymerized arbutin and its derivatives prepared by oxidative polymerization of arbutin. Reactive and Functional Polymers, 2019, 138, 39-45.	4.1	9
273	Characterization of bioactive compounds in the biomass of black locust, poplar and willow. Trees - Structure and Function, 2019, 33, 1235-1263.	1.9	48
274	Emerging Functional Beverages: Fruit Wines and Transgenic Wines. , 2019, , 471-514.		3

		CITATION R	EPORT	
#	Article		IF	Citations
275	Role and Regulation of Plants Phenolics in Abiotic Stress Tolerance. , 2019, , 157-168.			141
276	The proteome of Medicago truncatula in response to ammonium and urea nutrition reveal of membrane proteins and enzymes of root lignification. Environmental and Experimental 2019, 162, 168-180.	s the role Botany,	4.2	13
277	Dynamic Changes of Ascorbic Acid, Phenolics Biosynthesis and Antioxidant Activities in Mi (Vigna radiata) until Maturation. Plants, 2019, 8, 75.	ung Beans	3.5	11
278	Evaluation of the variables altitude, soil composition and development of a predictive mod antibacterial activity for the genus Hypericum by chromatographic fingerprint. Phytochem Letters, 2019, 31, 104-113.	el of the istry	1.2	3
279	A Pyrus communis gene for p-hydroxystyrene biosynthesis, has a role in defense against th Cacopsylla biden. Phytochemistry, 2019, 161, 107-116.	ie pear psylla	2.9	11
280	Role of proline accumulation on fruit quality of pepper (Capsicum annuum L.) grown with compost under drought conditions. Scientia Horticulturae, 2019, 249, 280-288.	a K-rich	3.6	24
281	Metabolomics: An Emerging Tool for Wine Characterization and the Investigation of Healt 2019, , 315-350.	h Benefits. ,		5
282	Cysteine enhances the content of betalains and polyphenols in fresh-cut red beet. Food Cl 2019, 286, 600-607.	nemistry,	8.2	21
283	Spatial Variation in the Concentration of Phenolic Compounds and Nutritional Elements in Needles of Spruce in Northern Taiga Forests. Contemporary Problems of Ecology, 2019, 12	1 the 2, 769-779.	0.7	2
284	Impact of Paraburkholderia phytofirmans PsJN on Grapevine Phenolic Metabolism. Internat Journal of Molecular Sciences, 2019, 20, 5775.	tional	4.1	13
285	The Hot and the Colorful: Understanding the Metabolism, Genetics and Evolution of Cons Preferred Metabolic Traits in Pepper and Related Species. Critical Reviews in Plant Sciences 339-381.	umer s, 2019, 38,	5.7	19
286	Physiological Responses of Paneer-Booti (Withania coagulans Dunal) to NaCl Stress Under Culture Conditions. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2019, 47, 1365-13	Tissue 73.	1.1	5
287	Biochemical activity of soil contaminated with BPS, bioaugmented with a mould fungi con a bacteria consortium. Environmental Science and Pollution Research, 2019, 26, 37054-37	sortium and 7069.	5.3	9
288	Impact of Carbon Nanomaterials on the Antioxidant System of Tomato Seedlings. Internat of Molecular Sciences, 2019, 20, 5858.	ional Journal	4.1	44
289	Comparative physiological, metabolomic, and transcriptomic analyses reveal development stage-dependent effects of cluster bagging on phenolic metabolism in Cabernet Sauvigno berries. BMC Plant Biology, 2019, 19, 583.	al n grape	3.6	37
290	Genetic Parameters and QTLs for Total Phenolic Content and Yield of Wheat Mapping Pop CSDH Lines under Drought Stress. International Journal of Molecular Sciences, 2019, 20, 6	ulation of 5064.	4.1	10
291	Phenolic Building Blocks for the Assembly of Functional Materials. Angewandte Chemie - International Edition, 2019, 58, 1904-1927.		13.8	302
292	Phenolische Bausteine für die Assemblierung von Funktionsmaterialien. Angewandte Ch 1920-1945.	emie, 2019, 131,	2.0	34

#	ARTICLE	IF	CITATIONS
293	and Phenolic Acid Content of Greenhouse-Grown Ceratotheca triloba?. Journal of Plant Growth Regulation, 2019, 38, 385-399.	5.1	9
294	UPLC-QqQ-MS/MS-based phenolic quantification and antioxidant activity assessment for thinned young kiwifruits. Food Chemistry, 2019, 281, 97-105.	8.2	43
295	Benefits of Condensed Tannins in Forage Legumes Fed to Ruminants: Importance of Structure, Concentration, and Diet Composition. Crop Science, 2019, 59, 861-885.	1.8	154
296	Combined effects of elevated ozone, temperature, and nitrogen on stem phenolic concentrations of Scots pine ( <i>Pinus sylvestris</i> ) seedlings. Canadian Journal of Forest Research, 2019, 49, 246-255.	1.7	8
297	Phenolic Compounds. , 2019, , 253-271.		87
298	Assessment of chemical and bioactive properties of native fruits from the Brazilian Cerrado. Nutrition and Food Science, 2019, 49, 381-392.	0.9	21
299	Analysis of bioactive pigments in coloured callus of <i>Azadirachta indica</i> for possible use as functional natural colourants. Pigment and Resin Technology, 2019, 48, 9-19.	0.9	4
300	Visual Assay for Gene Editing Using a CRISPR/Cas9 System in Carrot Cells. Methods in Molecular Biology, 2019, 1917, 203-215.	0.9	7
301	Phytotoxic and nematicide evaluation of Croton ehrenbergii (Euphorbiaceae). Pest Management Science, 2019, 75, 2158-2165.	3.4	4
302	Nutritional and phytochemical content of Swiss chard from Montenegro, under different fertilization and irrigation treatments. British Food Journal, 2019, 121, 411-425.	2.9	17
303	Controlled germination for enhancing the nutritional value of sprouted grains. , 2019, , 91-112.		7
304	Plant SCPL acyltransferases: multiplicity of enzymes with various functions in secondary metabolism. Phytochemistry Reviews, 2019, 18, 303-316.	6.5	19
305	High hydrostatic pressure treatments trigger de novo carotenoid biosynthesis in papaya fruit (Carica) Tj ETQq0 0	0 rgBT /O 8:2	verlock 10 Tf
306	The application of copper nanoparticles and potassium silicate stimulate the tolerance to Clavibacter michiganensis in tomato plants. Scientia Horticulturae, 2019, 245, 82-89.	3.6	67
307	Transcriptome analysis of mycorrhizal and nonmycorrhizal soybean plantlets upon infection with <i>Fusarium virguliforme</i> , one causal agent of sudden death syndrome. Plant Pathology, 2019, 68, 470-480.	2.4	32
308	Ιntra-species grafting induces epigenetic and metabolic changes accompanied by alterations in fruit size and shape of Cucurbita pepo L. Plant Growth Regulation, 2019, 87, 93-108.	3.4	17
309	Effect of sodium carbonate solution pretreatment on drying kinetics, antioxidant capacity changes, and final quality of wolfberry (Lycium barbarum) during drying. LWT - Food Science and Technology, 2019, 99, 254-261.	5.2	46
310	Variation in bioactive compounds of Glechoma longituba and its influential factors: Implication for advanced cultivation strategies. Scientia Horticulturae, 2019, 244, 182-192.	3.6	4

#	ARTICLE Insect egg deposition renders plant defence against hatching larvae more effective in a salicylic	IF 5.7	Citations
312	Effect of treated wastewater on growth and secondary metabolites production of two Eucalyptus species. Agricultural Water Management, 2019, 211, 1-9.	5.6	11
313	High resolution LC-MS characterization of phenolic compounds and the evaluation of antioxidant properties of a tropical purple radish genotype. Arabian Journal of Chemistry, 2020, 13, 1355-1366.	4.9	31
314	Phenolic compounds in germinated cereal and pulse seeds: Classification, transformation, and metabolic process. Critical Reviews in Food Science and Nutrition, 2020, 60, 740-759.	10.3	61
315	Leaf positionâ€dependent effect of <i>Alternaria brassicicola</i> development on host cell death, photosynthesis and secondary metabolites in <i>Brassica juncea</i> . Physiologia Plantarum, 2020, 168, 601-616.	5.2	10
316	Defying Multidrug Resistance! Modulation of Related Transporters by Flavonoids and Flavonolignans. Journal of Agricultural and Food Chemistry, 2020, 68, 1763-1779.	5.2	46
317	Sequential application of postharvest wounding stress and extrusion as an innovative tool to increase the concentration of free and bound phenolics in carrots. Food Chemistry, 2020, 307, 125551.	8.2	25
318	Increased phenylalanine levels in plant leaves reduces susceptibility to Botrytis cinerea. Plant Science, 2020, 290, 110289.	3.6	38
319	Combined transcriptome and metabolome analysis identifies defence responses in spider mite-infested pepper (Capsicum annuum). Journal of Experimental Botany, 2020, 71, 330-343.	4.8	61
320	Differential physiological and biochemical responses of <i>Quercus infectoria</i> and <i>Q. libani</i> to drought and charcoal disease. Physiologia Plantarum, 2020, 168, 876-892.	5.2	14
321	Inoculation of Lupinus albus with the nodule-endophyte Paenibacillus glycanilyticus LJ121 improves grain nutritional quality. Archives of Microbiology, 2020, 202, 283-291.	2.2	6
322	Growing basil in the underwater biospheres of Nemo's Garden®: Phytochemical, physiological and micromorphological analyses. Scientia Horticulturae, 2020, 259, 108851.	3.6	6
323	Profiling of polyphenols in phalsa (Grewia asiatica L) fruits based on liquid chromatography high resolution mass spectrometry. Journal of Food Science and Technology, 2020, 57, 606-616.	2.8	15
324	Perfluorooctanoic acid and perfluorooctane sulfonate co-exposure induced changes of metabolites and defense pathways in lettuce leaves. Environmental Pollution, 2020, 256, 113512.	7.5	32
325	Advances and limits of two model species for ecotoxicological assessment of carbamazepine, two by-products and their mixture at environmental level in freshwater. Water Research, 2020, 169, 115267.	11.3	16
326	Why boron is an essential element for vascular plants. New Phytologist, 2020, 226, 1228-1230.	7.3	32
327	Phytochemical Shift from Condensed Tannins to Flavonoids in Transgenic Betula pendula Decreases Consumption and Growth but Improves Growth Efficiency of Epirrita autumnata Larvae. Journal of Chemical Ecology, 2020, 46, 217-231.	1.8	6
328	Metabolome response to anthropogenic contamination on microalgae: a review. Metabolomics, 2020, 16, 8.	3.0	20

ARTICLE IF CITATIONS Floral ontogeny and molecular evaluation of anthocyanin biosynthesis pathway in pinwheel 329 3 3.6 phenotype of Saintpaulia inontha Wendl. periclinal chimera. Scientia Horticulturae, 2020, 263, 109142. Genetic regulatory networks for salt-alkali stress in Gossypium hirsutum with differing, 2.8 morphological characteristics. BMC Genomics, 2020, 21, 15. The improvement of grape juice quality using Thermomucor Indicae-Seudaticae pectinase. Journal of 331 2.8 7 Food Science and Technology, 2020, 57, 1565-1573. Phytotoxicity induced by perfluorooctanoic acid and perfluorooctane sulfonate via metabolomics. Journal of Házardous Máterials, 2020, 389, 121852. Soil enzyme response to bisphenol F contamination in the soil bioaugmented using bacterial and 333 2.7 12 mould fungal consortium. Environmental Monitoring and Assessment, 2020, 192, 20. Biocontrol Potential of Salt-Tolerant Trichoderma and Hypocrea Isolates for the Management of 334 Tomato Root Rot Under Saline Environment. Journal of Soil Science and Plant Nutrition, 2020, 20, 3.4 160-176. Host Specificity and Differential Pathogenicity of Pectobacterium Strains from Dicot and Monocot 335 3.6 10 Hosts. Microorganisms, 2020, 8, 1479. Phytohormone signaling pathway for eliciting leaf phenolic synthesis in honeysuckle (Lonicera) Tj ETQq1 1 0.784314,rgBT /Overlock Phenolic Compounds Content and Genetic Diversity at Population Level across the Natural 337 Distribution Range of Bearberry (Arctostaphylos uva-ursi, Éricaceae) in the Iberian Peninsula. Plants, 3.5 22 2020, 9, 1250. You Want it Sweeter: How Glycosylation Affects Plant Response to Oxidative Stress. Frontiers in 3.6 Plant Science, 2020, 11, 571399. Hop Polyphenols in Relation to Verticillium Wilt Resistance and Their Antifungal Activity. Plants, 339 3.5 6 2020, 9, 1318. Potential of phytohormones as a strategy to improve microalgae productivity for biotechnological applications. Biotechnology Advances, 2020, 44, 107612. 340 11.7 Distribution of enzymatic and alkaline oxidative activities of phenolic compounds in plants. 341 2.9 11 Phytochemistry, 2020, 179, 112501. Biochemical and economical effect of application biostimulants containing seaweed extracts and amino acids as an element of agroecological management of bean cultivation. Scientific Reports, 2020, 342 3.3 44 10, 17759. Phytochemical Characterization and Assessment of Crude Extracts From Lantana camara L. for 343 3.3 34 Antioxidant and Antimicrobial Activity. Frontiers in Agronomy, 2020, 2, . A review on insoluble-bound phenolics in plant-based food matrix and their contribution to human 344 15.1 103 health with future perspectives. Trends in Food Science and Technology, 2020, 105, 347-362. PHYTOCHEMICAL IDENTIFICATION AND ANTIOXIDANT ACTIVITY OF PASSIFLORA FOETIDA FRUITS AND LEAVES 345 EXTRACTS: A COMPARATIVE STUDY. International Journal of Pharmacy and Pharmaceutical Sciences, 0, , 0.3 3 55-58. Plant Chemistry Determines Host Preference and Performance of an Invasive Insect. Frontiers in Plant 346 Science, 2020, 11, 594663.

#	Article	IF	CITATIONS
347	Enhancing Salt Tolerance of Plants: From Metabolic Reprogramming to Exogenous Chemical Treatments and Molecular Approaches. Cells, 2020, 9, 2492.	4.1	68
348	Sulfur nanoparticles mediated improvement of salt tolerance in wheat relates to decreasing oxidative stress and regulating metabolic activity. Physiology and Molecular Biology of Plants, 2020, 26, 2209-2223.	3.1	27
349	Electrophoretic Light Scattering and Electrochemical Impedance Spectroscopy Studies of Lipid Bilayers Modified by Cinnamic Acid and Its Hydroxyl Derivatives. Membranes, 2020, 10, 343.	3.0	10
350	Beyond the Visible and Below the Peel: How UV-B Radiation Influences the Phenolic Profile in the Pulp of Peach Fruit. A Biochemical and Molecular Study. Frontiers in Plant Science, 2020, 11, 579063.	3.6	14
351	Endophytic Fungi Activated Similar Defense Strategies of Achnatherum sibiricum Host to Different Trophic Types of Pathogens. Frontiers in Microbiology, 2020, 11, 1607.	3.5	17
352	Decorative Magnolia Plants: A Comparison of the Content of Their Biologically Active Components Showing Antimicrobial Effects. Plants, 2020, 9, 879.	3.5	11
353	Changes in the phenolic compound content and antioxidant activity in developmental maize kernels and expression profiles of phenolic biosynthesis-related genes. Journal of Cereal Science, 2020, 96, 103113.	3.7	11
354	Applications of Cytokinins in Horticultural Fruit Crops: Trends and Future Prospects. Biomolecules, 2020, 10, 1222.	4.0	21
355	Dynamic Changes of Phenolic Compounds and Their Associated Gene Expression Profiles Occurring during Fruit Development and Ripening of the Donghong Kiwifruit. Journal of Agricultural and Food Chemistry, 2020, 68, 11421-11433.	5.2	12
356	Maternal Exposure to Ozone Modulates the Endophyte-Conferred Resistance to Aphids in Lolium multiflorum Plants. Insects, 2020, 11, 548.	2.2	9
357	The Biosynthesis of Phenolic Compounds Is an Integrated Defence Mechanism to Prevent Ozone Injury in Salvia officinalis. Antioxidants, 2020, 9, 1274.	5.1	18
358	In Vitro Rooting Response of Yellow-Flowered Magnolia in Relation to the Phenolic Acids Content. Agronomy, 2020, 10, 1880.	3.0	6
359	Functional Ingredients from Agri-Food Waste: Effect of Inclusion Thereof on Phenolic Compound Content and Bioaccessibility in Bakery Products. Antioxidants, 2020, 9, 1216.	5.1	46
360	Greek Sage Exhibits Neuroprotective Activity against Amyloid Beta-Induced Toxicity. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-10.	1.2	10
361	Compositional Variation in Trans-Ferulic, p-coumaric, and Diferulic Acids Levels Among Kernels of Modern and Traditional Maize (Zea mays L.) Hybrids. Frontiers in Nutrition, 2020, 7, 600747.	3.7	9
362	Table Grapes during Postharvest Storage: A Review of the Mechanisms Implicated in the Beneficial Effects of Treatments Applied for Quality Retention. International Journal of Molecular Sciences, 2020, 21, 9320.	4.1	17
363	Effect of soil amendments on antioxidant activity and photosynthetic pigments in pea crops grown in arsenic contaminated soil. Heliyon, 2020, 6, e05475.	3.2	21
364	Application pineapple liquid waste to increase fruit weight and vitamin c pineapple as biological learning resources. Journal of Physics: Conference Series, 2020, 1567, 022051.	0.4	1

#	Article	IF	CITATIONS
365	Water Conservation and Plant Survival Strategies of Rhizobacteria under Drought Stress. Agronomy, 2020, 10, 1683.	3.0	56
366	In Vitro Biological Activities of Fruits and Leaves of Elaeagnus multiflora Thunb. and Their Isoprenoids and Polyphenolics Profile. Antioxidants, 2020, 9, 436.	5.1	8
367	From Environment to Genome and Back: A Lesson from HFE Mutations. International Journal of Molecular Sciences, 2020, 21, 3505.	4.1	7
368	Allelochemical-driven N preference switch from NO3â^' to NH4+ affecting plant growth of Cunninghamia lanceolata (lamb.) hook. Plant and Soil, 2020, 451, 419-434.	3.7	5
369	Nitrogen Starvation and Nitrate or Ammonium Availability Differently Affect Phenolic Composition in Green and Purple Basil. Agronomy, 2020, 10, 498.	3.0	21
370	Exploration of chemical markers using a metabolomics strategy and machine learning to study the different origins of Ixeris denticulata (Houtt.) Stebb. Food Chemistry, 2020, 330, 127232.	8.2	15
371	Changes in Physical and Biochemical Features of Grape (Vitis viniferaÂL. cv â€~Prima') Seeds as Influenced by Sustained Deficit Irrigation under Different Rootstock Effect. Erwerbs-Obstbau, 2020, 62, 101-107.	1.3	0
372	Fermented Alfalfa Brown Juice Significantly Stimulates the Growth and Development of Sweet Basil (Ocimum basilicum L.) Plants. Agronomy, 2020, 10, 657.	3.0	8
373	Combinatorial Control of Plant Specialized Metabolism: Mechanisms, Functions, and Consequences. Annual Review of Cell and Developmental Biology, 2020, 36, 291-313.	9.4	33
374	Antimicrobial and Antioxidant Properties of a Bacterial Endophyte, <i>Methylobacterium radiotolerans</i> MAMP 4754, Isolated from <i>Combretum erythrophyllum</i> Seeds. International Journal of Microbiology, 2020, 2020, 1-11.	2.3	40
375	Effects of Climate Temperature and Water Stress on Plant Growth and Accumulation of Antioxidant Compounds in Sweet Basil ( <i>Ocimum basilicum</i> L.) Leafy Vegetable. Scientifica, 2020, 2020, 1-12.	1.7	32
376	Phytotoxic effect of Alhagi maurorum on the growth and physiological activities of Pisum sativum L South African Journal of Botany, 2020, 131, 250-258.	2.5	12
377	From sunscreens to medicines: Can a dissipation hypothesis explain the beneficial aspects of many plant compounds?. Phytotherapy Research, 2020, 34, 1868-1888.	5.8	13
378	Chemical Traits of Fermented Alfalfa Brown Juice: Its Implications on Physiological, Biochemical, Anatomical, and Growth Parameters of Celosia. Agronomy, 2020, 10, 247.	3.0	16
379	Alterations in Herbage Yield, Antioxidant Activities, Phytochemical Contents, and Bioactive Compounds of Sabah Snake Grass (Clinacanthus Nutans L.) with Regards to Harvesting Age and Harvesting Frequency. Molecules, 2020, 25, 2833.	3.8	8
380	Edible Leafy Plants from Mexico as Sources of Antioxidant Compounds, and Their Nutritional, Nutraceutical and Antimicrobial Potential: A Review. Antioxidants, 2020, 9, 541.	5.1	25
381	The Influence of Arbuscular Mycorrhizal Fungi on Plant Reproduction. Journal of Chemical Ecology, 2020, 46, 707-721.	1.8	30
382	Reactive oxygen species (ROS) management in engineered plants for abiotic stress tolerance. , 2020, , 241-262.		5

#	Article	IF	CITATIONS
383	The Effect of Polyphenols on Pomegranate Fruit Susceptibility to Pilidiella granati Provides Insights into Disease Tolerance Mechanisms. Molecules, 2020, 25, 515.	3.8	8
384	Phytochemical, biochemical, and growth changes in response to salinity in callus cultures of Nigella sativa L In Vitro Cellular and Developmental Biology - Plant, 2020, 56, 247-258.	2.1	10
385	Characterisation of seed marking types in chickpea ( Cicer arietinum L.): Tiger stripe and other blemishes. , 2020, 2, e29.		3
386	Spatiotemporal shading regulates anthocyanin, proanthocyanidin, and sucrose accumulation in black soybean seeds. Agronomy Journal, 2020, 112, 708-718.	1.8	5
387	Negative effects of the simulated nitrogen deposition on plant phenolic metabolism: A meta-analysis. Science of the Total Environment, 2020, 719, 137442.	8.0	32
388	Changes in Biochemistry and Yield in Response to Biostimulants Applied in Bean (Phaseolus vulgaris L.). Agronomy, 2020, 10, 189.	3.0	34
389	Effect of Partial Excision of Early Taproots on Growth and Components of Hydroponic Carrots. Horticulturae, 2020, 6, 5.	2.8	4
390	Phenol metabolism of two cultivars of durum wheat ( <i>Triticum durum</i> Desf.) as affected by ozone and flooding stress. Journal of Agronomy and Crop Science, 2020, 206, 338-351.	3.5	12
391	Sustainable sheep and goat production through strategic nutritional management and advanced technologies. , 2020, , 231-246.		4
392	A conserved strategy of chalcone isomerase-like protein to rectify promiscuous chalcone synthase specificity. Nature Communications, 2020, 11, 870.	12.8	71
393	Combined metabolomic and transcriptomic analysis reveals key candidate genes involved in the regulation of flavonoid accumulation in Anoectochilus roxburghii. Process Biochemistry, 2020, 91, 339-351.	3.7	11
394	Biological Activity of New Cichoric Acid–Metal Complexes in Bacterial Strains, Yeast-Like Fungi, and Human Cell Cultures In Vitro. Nutrients, 2020, 12, 154.	4.1	10
395	Ecological Function of Phenolic Compounds from Mediterranean Fucoid Algae and Seagrasses: An Overview on the Genus Cystoseira sensu lato and Posidonia oceanica (L.) Delile. Journal of Marine Science and Engineering, 2020, 8, 19.	2.6	48
396	Identification and quantification of soluble and insoluble-bound phenolics in lentil hulls using HPLC-ESI-MS/MS and their antioxidant potential. Food Chemistry, 2020, 315, 126202.	8.2	48
397	Shading Effects on Leaf Color Conversion and Biosynthesis of the Major Secondary Metabolites in the Albino Tea Cultivar "Yujinxiangâ€: Journal of Agricultural and Food Chemistry, 2020, 68, 2528-2538.	5.2	43
398	The Evolution of Flavonoid Biosynthesis: A Bryophyte Perspective. Frontiers in Plant Science, 2020, 11, 7.	3.6	126
399	Influence of different seed priming techniques on oxidative and antioxidative responses during the germination of Oryza sativa varieties. Physiology and Molecular Biology of Plants, 2020, 26, 551-565.	3.1	30
400	Effect of biochar and redmud amendment combinations on Salix triandra growth, metal(loid) accumulation and oxidative stress response. Ecotoxicology and Environmental Safety, 2020, 195, 110466.	6.0	9

#	Article	IF	CITATIONS
401	Plant secondary metabolites synthesis andÂtheir regulations under biotic and abiotic constraints. Journal of Plant Biology, 2020, 63, 203-216.	2.1	149
402	Elicitation-Based Method for Increasing the Production of Antioxidant and Bactericidal Phenolic Compounds in Dionaea muscipula J. Ellis Tissue. Molecules, 2020, 25, 1794.	3.8	24
403	Structure and Function of the Cytochrome P450 Monooxygenase Cinnamate 4-hydroxylase from <i>Sorghum bicolor</i> . Plant Physiology, 2020, 183, 957-973.	4.8	36
404	Metabolome Profiling Supports the Key Role of the Spike in Wheat Yield Performance. Cells, 2020, 9, 1025.	4.1	20
405	Bioanalytical method validation for the quantification of the chlorogenic acid in Capsicum baccatum through High Performance Liquid Chromatography (HPLC-DAD). Food Chemistry, 2020, 325, 126929.	8.2	9
406	Metabolic regulations in lettuce root under combined exposure to perfluorooctanoic acid and perfluorooctane sulfonate in hydroponic media. Science of the Total Environment, 2020, 726, 138382.	8.0	23
407	Identification of the gene network modules highly associated with the synthesis of phenolics compounds in barley by transcriptome and metabolome analysis. Food Chemistry, 2020, 323, 126862.	8.2	30
408	Flavonoid pattern inheritance in the allopolyploid Spartina anglica – Comparison with the parental species S. maritima and S. alterniflora. Phytochemistry, 2020, 174, 112312.	2.9	3
409	Utilization of straw-based phenolic acids as a biofugicide for a green agricultural production. Journal of Bioscience and Bioengineering, 2021, 131, 53-60.	2.2	9
410	The outer influences the inner: Postharvest UV-B irradiation modulates peach flesh metabolome although shielded by the skin. Food Chemistry, 2021, 338, 127782.	8.2	24
411	Phytochemical constituents, biological activities, and healthâ€promoting effects of the genus <i>Origanum</i> . Phytotherapy Research, 2021, 35, 95-121.	5.8	45
412	Olive mill wastewater-evaporation ponds long term stored: Integrated assessment of in situ bioremediation strategies based on composting and vermicomposting. Journal of Hazardous Materials, 2021, 402, 123481.	12.4	47
413	Evaluation of wheat (Triticum aestivum L.) salt stress tolerance using physiological parameters and retrotransposon-based markers. Genetic Resources and Crop Evolution, 2021, 68, 227-242.	1.6	59
414	Metabolomics analysis reveals potential mechanisms of phenolic accumulation in lettuce (Lactuca) Tj ETQq1 1 0	.784314 rg	gBT_/Overloci
415	Endophyte inoculation enhances Ulmus minor resistance to Dutch elm disease. Fungal Ecology, 2021, 50, 101024.	1.6	31
416	Synthesis of <sup>13</sup> Ca€abelled cutin and suberin monomeric dicarboxylic acids of the general formula HO <sub>2</sub> <sup>13</sup> Câ€(CH <sub>2</sub> ) <sub>n</sub> â€ <sup>13</sup> CO <sub>2</sub> H ( <i>n</i> ) <sub>1,12,14,16,18,20,22,24,26,28). Journal of Labelled Compounds and Radiopharmaceuticals,</sub>	1.0	3
417	2021, 64, 14F27. Metabolomics reveals the within-plant spatial effects of shading on tea plants. Tree Physiology, 2021, 41, 317-330.	3.1	17
418	Isoflavone malonyl-CoA acyltransferase GmMaT2 is involved in nodulation of soybean by modifying synthesis and secretion of isoflavones. Journal of Experimental Botany, 2021, 72, 1349-1369.	4.8	25

#	Article	IF	CITATIONS
419	Effect of climate change on plant secondary metabolism: An ecological perspective. , 2021, , 47-76.		1
420	of Phenolic. , 2021, , 25-87.		0
421	Revealing interactions between root phenolic metabolomes and rhizosphere bacterial communities in Populus euphratica plantations. Biology and Fertility of Soils, 2021, 57, 421-434.	4.3	24
422	Relationship between agro-ecological resources of vineyards and the anthocyanins complex in berries. E3S Web of Conferences, 2021, 247, 01013.	0.5	2
423	Targeted metabolomics reveals dynamic changes during the manufacturing process of Yuhua tea, a stir-fried green tea. Beverage Plant Research, 2021, 1, 1-11.	1.9	7
424	The medicinal properties of Olax subscorpioidea. , 2021, , 555-580.		0
425	Antileishmanial Activity of Lignans, Neolignans, and Other Plant Phenols. Progress in the Chemistry of Organic Natural Products, 2021, 115, 115-176.	1.1	1
426	Transcriptomic and chemical analyses to identify candidate genes involved in color variation of sainfoin flowers. BMC Plant Biology, 2021, 21, 61.	3.6	5
427	Salicylic Acid for Vigorous Plant Growth and Enhanced Yield Under Harsh Environment. , 2021, , 99-127.		2
428	Mapping the Primary and Secondary Metabolomes of Carob (Ceratonia siliqua L.) Fruit and Its Postharvest Antioxidant Potential at Critical Stages of Ripening. Antioxidants, 2021, 10, 57.	5.1	25
429	Application of supercritical technology in the production of dietary supplement based on plant extracts. , 2021, , 161-183.		2
431	Physiological and Proteomic Insights Into Red and Blue Light-Mediated Enhancement of in vitro Growth in Scrophularia kakudensis—A Potential Medicinal Plant. Frontiers in Plant Science, 2020, 11, 607007.	3.6	17
432	Extractives of Stemwood and Sawmill Residues of Scots Pine (Pinus sylvestris L.) for Biorefining in Four Climatic Regions in Finland—Phenolic and Resin Acid Compounds. Forests, 2021, 12, 192.	2.1	11
433	Exploring the Molecular Mechanism of Blue Flower Color Formation in Hydrangea macrophylla cv. "Forever Summer― Frontiers in Plant Science, 2021, 12, 585665.	3.6	23
434	Effect of slightly acidic electrolysed water on functional components, antioxidant and αâ€glucosidase inhibitory ability of buckwheat sprouts. International Journal of Food Science and Technology, 2021, 56, 3463-3473.	2.7	12
435	Tomato Cultivars Resistant or Susceptible to Spider Mites Differ in Their Biosynthesis and Metabolic Profile of the Monoterpenoid Pathway. Frontiers in Plant Science, 2021, 12, 630155.	3.6	14
436	Insights into phenolic compounds from microalgae: structural variety and complex beneficial activities from health to nutraceutics. Critical Reviews in Biotechnology, 2021, 41, 155-171.	9.0	60
437	The Multifunctional Roles of Polyphenols in Plant-Herbivore Interactions. International Journal of Molecular Sciences, 2021, 22, 1442.	4.1	115

#	Article	IF	CITATIONS
438	Metabolic responses of date palm ( <i>Phoenix dactylifera</i> L.) leaves to drought differ in summer and winter climate. Tree Physiology, 2021, 41, 1685-1700.	3.1	10
439	Piriformospora indica based elicitation for overproduction of phenolic compounds by hairy root cultures of Ficus carica. Journal of Biotechnology, 2021, 327, 43-53.	3.8	11
440	Interactions between zinc and <i>Phomopsis longicolla</i> infection in roots of <i>Glycine max</i> . Journal of Experimental Botany, 2021, 72, 3320-3336.	4.8	8
441	Variation of Phenolic and Pigment Composition Depending on Soil Type in Three Serpentinovag Plant Species. International Journal of Secondary Metabolite, 0, , 1-10.	1.3	1
442	STUDYING POTENTIAL WINTER RESISTANCE OF COLORIFICATIONS AND GENOTYPES OF WINTER SOFT WHEAT BY ANALYSIS OF AUTO-FLUORESCENCE OF TISSUE PROTEINS. Innovacii I Prodovolʹstvennaâ Bezopasnostʹ, 2021, , 106-113.	0.2	0
443	Secondary metabolites: harvesting short term benefits from arid zone agroforestry systems in India. Agroforestry Systems, 2021, 95, 515-532.	2.0	2
444	Cooperative Regulation of Flavonoid and Lignin Biosynthesis in Plants. Critical Reviews in Plant Sciences, 2021, 40, 109-126.	5.7	42
445	Cyanogenic glycosides can function as nitrogen reservoir for flax plants cultured under N-deficient conditions. Plant, Soil and Environment, 2021, 67, 245-253.	2.2	6
446	Changes in the free phenolic acid composition of pepper (Capsicum annuum L.) leaves in response to green peach aphid (Myzus persicae Sulzer) infestation. Arthropod-Plant Interactions, 2021, 15, 329-336.	1.1	3
447	Phenolic Compounds and Biological Activity of Selected Mentha Species. Plants, 2021, 10, 550.	3.5	58
448	Impact of Foliar Application of Amino Acids on Total Phenols, Phenolic Acids Content of Different Mints Varieties under the Field Condition. Plants, 2021, 10, 599.	3.5	11
449	Comparative transcriptome and flavonoids components analysis reveal the structural genes responsible for the yellow seed coat color of <i>Brassica rapa</i> L PeerJ, 2021, 9, e10770.	2.0	8
450	Identification and functional characterization of a new flavonoid synthase gene MdFLS1 from apple. Planta, 2021, 253, 105.	3.2	4
451	Dependence of the Concentration of Bioactive Compounds in Origanum vulgare on Chemical Properties of the Soil. Plants, 2021, 10, 750.	3.5	3
454	QTL mapping of phenolic compounds and fruit colour in sweet cherry using a 6+9K SNP array genetic map. Scientia Horticulturae, 2021, 280, 109900.	3.6	11
455	Diversity of Chemical Structures and Biosynthesis of Polyphenols in Nut-Bearing Species. Frontiers in Plant Science, 2021, 12, 642581.	3.6	16
456	Assessment of potential winter hardiness in winter bread wheat cultivars and genotypes by analyzing autofluorescence in seedling tissues. Proceedings on Applied Botany, Genetics and Breeding, 2021, 182, 33-40.	0.6	1
457	Discovery and Targeted Isolation of Phenylpropanoid-Substituted Ester-Catechins Using UPLC-Q/TOF-HRMS/MS-Based Molecular Networks: Implication of the Reaction Mechanism among Polyphenols during Green Tea Processing. Journal of Agricultural and Food Chemistry, 2021, 69, 4827-4839.	5.2	10

	CITATION RE	PORT	
#	Article	IF	Citations
458	Physiological and biochemical responses of Agave to temperature and climate of their native environment. Flora: Morphology, Distribution, Functional Ecology of Plants, 2021, 278, 151797.	1.2	3
460	Antiproliferative potential of Andean Berry ( <i>Vaccinium meridionale</i> Swartz) juice in combination with Aspirin in human SW480 colon adenocarcinoma cells. Journal of Food Biochemistry, 2021, 45, e13760.	2.9	5
461	Seasonal Variations of Rosmarinic Acid and Its Glucoside and Expression of Genes Related to Their Biosynthesis in Two Medicinal and Aromatic Species of Salvia subg. Perovskia. Biology, 2021, 10, 458.	2.8	8
462	A review of plant metabolites with metal interaction capacity: a green approach for industrial applications. BioMetals, 2021, 34, 761-793.	4.1	30
463	Andrographolide production and enhanced antioxidant activity in Andrographis paniculata (Burm f.) Nees. promoted by seaweed liquid extracts. Revista Brasileira De Botanica, 2021, 44, 317.	1.3	0
464	Insights into Metabolic Changes Caused by the <i>Trichoderma virens</i> –Maize Root Interaction. Molecular Plant-Microbe Interactions, 2021, 34, 524-537.	2.6	14
465	Raw and Fermented Alfalfa Brown Juice Induces Changes in the Germination and Development of French Marigold (Tagetes patula L.) Plants. Plants, 2021, 10, 1076.	3.5	5
466	Evaluation of Jatropha curcas L. leaves mulching on wheat growth and biochemical attributes under water stress. BMC Plant Biology, 2021, 21, 303.	3.6	10
467	Cytokinin Mediated Increased In Vitro Production of Secondary Metabolites with Special Reference to Solasodine in Solanum erianthum. Planta Medica International Open, 2021, 8, e62-e68.	0.5	0
468	Light and electron microscopies reveal unknown details of the pollen grain structure and physiology from Brazilian Cerrado species. Protoplasma, 2021, , 1.	2.1	1
469	The colour variations of flowers in wild <i>Paeonia delavayi</i> plants are determined by four classes of plant pigments. New Zealand Journal of Crop and Horticultural Science, 2022, 50, 69-84.	1.3	7
470	METHOD FOR DETERMINING THE TOTAL CONTENT OF PHENOLIC COMPOUNDS IN PLANT EXTRACTS WITH FOLIN-DENIS REAGENT AND FOLIN-CHOCALTEU REAGENT: MODIFICATION AND COMPARISON. Khimiya Rastitel'nogo Syr'ya, 2021, , 291-299.	0.3	10
471	Antiviral, Antibacterial, Antifungal, and Antiparasitic Properties of Propolis: A Review. Foods, 2021, 10, 1360.	4.3	77
472	Synthesis of 13 C″abelled ï‰â€hydroxy carboxylic acids of the general formula HO 2 13 Câ€(CH 2 ) n  H 2 or HO 2 Câ€(CH 2 ) n ―13 CH 2 OH ( n  = 12, 16, 20, 28). Journal of Labelled Compounds and Radiopharmaceuticals, 2021, 64, 385-402.	OH 1.0	0
473	Functional Characterization of a Novel Glycosyltransferase (UGT73CD1) from Iris tectorum Maxim. for the Substrate promiscuity. Molecular Biotechnology, 2021, 63, 1030-1039.	2.4	11
474	Insects–plants-pathogens: Toxicity, dependence and defense dynamics. Toxicon, 2021, 197, 87-98.	1.6	12
475	Physiological Responses and Gene Expression Patterns in Open-Pollinated Seedlings of a Pummelo-Mandarin Hybrid Rootstock Exposed to Salt Stress and Huanglongbing. Plants, 2021, 10, 1439.	3.5	6
476	Catch-22 in specialized metabolism: balancing defense and growth. Journal of Experimental Botany, 2021, 72, 6027-6041.	4.8	19

#	Article	IF	CITATIONS
477	Anything New under the Sun? An Update on Modulation of Bioactive Compounds by Different Wavelengths in Agricultural Plants. Plants, 2021, 10, 1485.	3.5	17
478	Integrated Analyses of Metabolomic Profiling and Associated Gene Expression of Catharanthus roseus Seedling Reveal the Metabolic Alternations of Primary Metabolites and Flavonoids During the Apical Hook Opening Phase. Journal of Plant Growth Regulation, 0, , 1.	5.1	1
479	Pathogen and drought stress affect cell wall and phytohormone signaling to shape host responses in a sorghum COMT bmr12 mutant. BMC Plant Biology, 2021, 21, 391.	3.6	13
480	Metabolomics and Molecular Approaches Reveal Drought Stress Tolerance in Plants. International Journal of Molecular Sciences, 2021, 22, 9108.	4.1	89
481	Changes in the root-associated bacteria of sorghum are driven by the combined effects of salt and sorghum development. Environmental Microbiomes, 2021, 16, 14.	5.0	20
482	Genetic and Environmental Factors Jointly Impact Leaf Phenolic Profiles of Iris variegata L Plants, 2021, 10, 1599.	3.5	4
483	Effect of solvent polarity on the Ultrasound Assisted extraction and antioxidant activity of phenolic compounds from habanero pepper leaves (Capsicum chinense) and its identification by UPLC-PDA-ESI-MS/MS. Ultrasonics Sonochemistry, 2021, 76, 105658.	8.2	50
484	Lepidium sativum Sprouts Grown under Elevated CO2 Hyperaccumulate Glucosinolates and Antioxidants and Exhibit Enhanced Biological and Reduced Antinutritional Properties. Biomolecules, 2021, 11, 1174.	4.0	12
486	AtMYB12-Expressing Transgenic Tobacco Increases Resistance to Several Phytopathogens and Aphids. Frontiers in Agronomy, 2021, 3, .	3.3	7
487	Physiological and transcriptomic analyses to reveal underlying phenolic acid action in consecutive monoculture problem of Polygonatum odoratum. BMC Plant Biology, 2021, 21, 362.	3.6	6
488	Effect of processing on bioaccessibility and bioavailability of bioactive compounds in coffee beans. Food Bioscience, 2022, 46, 101373.	4.4	21
489	Nitric oxide mediates Î <sup>3</sup> -aminobutyric acid signaling to regulate phenolic compounds biosynthesis in soybean sprouts under NaCl stress. Food Bioscience, 2021, 44, 101356.	4.4	19
490	Comprehensive Evaluation of Amino Acids and Polyphenols in 69 Varieties of Green Cabbage (Brassica) Tj ETQqC	0 0 o rgBT	/Overlock 10
491	Biotechnological interventions for inducing abiotic stress tolerance in crops. Plant Gene, 2021, 27, 100315.	2.3	17
492	Rambutan genome revealed gene networks for spine formation and aril development. Plant Journal, 2021, 108, 1037-1052.	5.7	7
493	Interactions of gallâ€formers and leafâ€chewers on a tropical tree fern: evidence for nonâ€repulsion and coâ€occurrence between insect guilds. Plant Biology, 2021, 23, 1037-1043.	3.8	2
494	Modern techniques efficacy on tofu processing: A review. Trends in Food Science and Technology, 2021, 116, 766-785.	15.1	24
495	Phenoloxidases in Plants—How Structural Diversity Enables Functional Specificity. Frontiers in Plant Science, 2021, 12, 754601.	3.6	27

#	Article	IF	CITATIONS
496	Ozone as eustress for enhancing secondary metabolites and bioactive properties in Salvia officinalis. Industrial Crops and Products, 2021, 170, 113730.	5.2	28
497	Integrated metabolomic and transcriptomic analyses of quality components and associated molecular regulation mechanisms during passion fruit ripening. Postharvest Biology and Technology, 2021, 180, 111601.	6.0	19
498	Hepato and nephroprotective activity of methanol extract of Hygrophila spinosa and its antibacterial potential against multidrug resistant Pandoraea sputorum. Environmental Research, 2021, 201, 111594.	7.5	14
499	Transcriptome analysis reveals abscisic acid enhancing drought resistance by regulating genes related to flavonoid metabolism in pigeon pea. Environmental and Experimental Botany, 2021, 191, 104627.	4.2	21
500	Willow bark and wood as a source of bioactive compounds and bioenergy feedstock. Industrial Crops and Products, 2021, 171, 113976.	5.2	24
501	Biosynthesis Regulation of Folates and Phenols in Plants. Scientia Horticulturae, 2022, 291, 110561.	3.6	42
502	LED spectral quality and NaCl salinity interact to affect growth, photosynthesis and phytochemical production of. Functional Plant Biology, 2022, 49, 483-495.	2.1	15
503	Multi-responses of O-methyltransferase genes to salt stress and fiber development of Gossypium species. BMC Plant Biology, 2021, 21, 37.	3.6	16
504	Application of the Box–Behnken experimental design for the extraction of phenolic compounds from araçáâ€roxo ( <i>Psidium myrtoides</i> ). Journal of Food Processing and Preservation, 2021, 45, e15260.	2.0	7
505	Role of Stress and Defense in Plant Secondary Metabolites Production. Advanced Structured Materials, 2021, , 151-195.	0.5	29
506	Phytohormone-Producing PGPR for Sustainable Agriculture. Sustainable Development and Biodiversity, 2015, , 159-182.	1.7	71
507	Phenylpropanoids. Learning Materials in Biosciences, 2018, , 171-178.	0.4	1
508	Influence of Elicitors and Eustressors on the Production of Plant Secondary Metabolites. , 2019, , 333-388.		21
509	Metabolic Engineering Strategies for Enhancing the Production of Bio-active Compounds from Medicinal Plants. , 2019, , 287-316.		12
510	Phenolics: A Game Changer in the Life Cycle of Plants. , 2020, , 241-275.		6
511	Synchronization of Developmental Processes and Defense Signaling by Growth Regulating Transcription Factors. PLoS ONE, 2014, 9, e98477.	2.5	76
512	Antioxidant and Anti-Inflammatory Activities of Extracts from Cassia alata, Eleusine indica, Eremomastax speciosa, Carica papaya and Polyscias fulva Medicinal Plants Collected in Cameroon. PLoS ONE, 2014, 9, e103999.	2.5	85
513	Metabolomic Analysis Using Ultra-Performance Liquid Chromatography-Quadrupole-Time of Flight Mass Spectrometry (UPLC-Q-TOF MS) Uncovers the Effects of Light Intensity and Temperature under Shading Treatments on the Metabolites in Tea. PLoS ONE, 2014, 9, e112572.	2.5	91

#	Article	IF	CITATIONS
514	Genes Upregulated in Winter Wheat (Triticum aestivum L.) during Mild Freezing and Subsequent Thawing Suggest Sequential Activation of Multiple Response Mechanisms. PLoS ONE, 2015, 10, e0133166.	2.5	13
515	Long-term fertilization determines different metabolomic profiles and responses in saplings of three rainforest tree species with different adult canopy position. PLoS ONE, 2017, 12, e0177030.	2.5	11
516	ABOUT THE CONTENT OF PIGMENTS, PHENOLIC COMPOUNDS AND ANTIRADICAL ACTIVITY OF YOUNG TEA SHOOTS (CAMELLIA SINENSIS L.). Khimiya Rastitel'nogo Syr'ya, 2020, , 249-257.	0.3	2
517	Light quality on growth and phenolic compounds accumulation in Moringa oleifera L. grown in vitro. Comunicata Scientiae, 0, 11, e3313.	0.4	3
518	Environmental factors affecting flavonoid accumulation in plants Poligonum weyrichii growing in Murmansk region. Regulatory Mechanisms in Biosystems, 2020, 10, 553-559.	0.6	6
519	Proximal chemical analysis and secondary metabolites in <em>Washingtonia robusta</em> fruit (Arecaceae): relevance for the feeding of wildlife and human. Botanical Sciences, 2019, 97, 155.	0.8	2
520	LA MACA (LEPIDIUM MEYENII WALPERS) ALIMENTO FUNCIONAL ANDINO: BIOACTIVOS, BIOQUÃMICA Y ACTIVIDAD BIOLÓGICA. Journal of High Andean Research, 2019, 21, 139-152.	0.3	3
521	Comparison Among Five Eucalyptus Species Based on Their Leaf Contents of Some Primary and Secondary Metabolites. Current Pharmaceutical Biotechnology, 2019, 20, 573-587.	1.6	6
522	Neuroprotection with Natural Antioxidants and Nutraceuticals in the Context of Brain Cell Degeneration: The Epigenetic Connection. Current Topics in Medicinal Chemistry, 2020, 19, 2999-3011.	2.1	15
523	Polyphenols Beyond Barriers: A Glimpse into the Brain. Current Neuropharmacology, 2017, 15, 562-594.	2.9	87
524	Secondary metabolites in plants: main classes, phytochemical analysis and pharmacological activities. Revista Bionatura, 2019, 4, 1000-1009.	0.4	32
525	A BRIEF REVIEW ON SECONDARY METABOLITES BIOSYNTHESIS REGULATION: APPLICATION IN GYNURA PROCUMBENS IN GLASSHOUSE CONDITION. Malaysian Journal of Science, 2018, 37, 25-49.	0.3	1
526	Influence of the growing conditions on the flavonoids and phenolic acids accumulation in amaranth (Amaranthus hypochondriacus L.) leaves Terra Latinoamericana, 2019, 37, 449.	0.3	6
527	Role of anthocyanin and carotenoids in the adaptation of the photosynthetic apparatus of purple- and green-leaved cultivars of sweet basil (Ocimum basilicum) to high-intensity light. Photosynthetica, 2020, 58, 890-901.	1.7	22
528	Heavy metals: uptake, toxicity and protective mechanisms in plants (on example of cadmium). Vìsnik HarkA¬vsʹkogo Nacìonalʹnogo Agrarnogo Unìversitetu Serìâ Bìologiâ, 2017, 2017, 35-49.	0.1	5
529	Evidence for novel epigenetic marks within plants. AIMS Genetics, 2019, 06, 070-087.	1.9	14
530	Biodisponibilidade de compostos fenólicos: um importante desafio para o desenvolvimento de fármacos?. Revista Fitos, 2015, 9, .	0.1	11
531	Inhibitory effect of microalgae and cyanobacteria extracts on influenza virus replication and neuraminidase activity. Peerl, 2018, 6, e5716.	2.0	29

#	Article	IF	CITATIONS
533	DETERMINATION OF THE CONTENT OF POLYPHENOL COMPONENTS, ANTIOXIDANT AND ANTIRADICAL ACTIVITY OF ETHANOL EXTRACTS OF THE PLANT KOENIGIA WEYRICHII GROWING ON THE KOLA PENIN-SULA. Khimiya Rastitel'nogo Syr'ya, 2021, , 275-282.	0.3	0
534	Foliar Supplementation of Clove Fruit Extract and Salicylic Acid Maintains the Performance and Antioxidant Defense System of Solanum tuberosum L. under Deficient Irrigation Regimes. Horticulturae, 2021, 7, 435.	2.8	8
535	Pharmaco-chemical profiling of Desmodium gangeticum (L.) DC. with special reference to soil chemistry. Future Journal of Pharmaceutical Sciences, 2021, 7, 210.	2.8	4
536	In Vitro Anticancer Activity of Imperata cylindrica Root's Extract toward Human Cervical Cancer and Identification of Potential Bioactive Compounds. BioMed Research International, 2021, 2021, 1-12.	1.9	8
537	Plasticity, exudation and microbiome-association of the root system of Pellitory-of-the-wall plants grown in environments impaired in iron availability. Plant Physiology and Biochemistry, 2021, 168, 27-42.	5.8	3
538	Role of 2-Oxoglutarate-Dependent Oxygenases in Flavonoid Metabolism. 2-Oxoglutarate-Dependent Oxygenases, 2015, , 350-366.	0.8	1
539	Optimisation of Conditions for Extraction of Biologically Active Compounds from Common Bryophytes in Latvia / Latvijâ Augoðu Briofîtu Ekstrakcijas ApstÄ¢kÃ⁻u Optimizâcijas letekme Uz Bioloìiski Aktîviem Sekundârajiem Metabolîtiem. Proceedings of the Latvian Academy of Sciences, 2015, 69, 299-306.	0.1	1
540	Cell Wall Development in an Elongating Internode of Setaria. Plant Genetics and Genomics: Crops and Models, 2017, , 211-238.	0.3	0
541	Induction of Potato Resistance Against Bacterial Wilt Disease Using Saccharomyces cerevisiae. Biotechnology, 2017, 16, 57-68.	0.1	7
542	Nuclear localization signals, genetic characterisation and morphological study of wild type and 14 Arabidopsis mutant lines. Govarî Zankoî Germîan, 2017, 4, 676-692.	0.0	1
543	Caffeic Acid Effect on Elements of Production Process of Potato Plants (Solanum tuberosum L.) Under Hypothermia. , 2018, , .		0
544	Plants of genus Rhododendron L.: classification, distribution, resistance to stress influences. Vìsnik Harkìvsǹkogo Nacìonalʹnogo Agrarnogo Unìversitetu Serìâ Bìologiâ, 2018, 2018, 74-84.	0.1	0
545	Bioactive Metabolite Profiling for Identification of Elite Germplasms:A Conservation Strategy for Threatened Medicinal Plants. Current Science, 2018, 114, 554.	0.8	6
547	Effect of Salicylic Acid, 2,4-D and 2i-P on the Production of Secondary Metabolites in Garcinia brasiliensis Mart. Callus. Brazilian Archives of Biology and Technology, 0, 62, .	0.5	3
548	Relationship of Phenolic Metabolism to Growth in Plant and Cell Cultures Under Stress. Reference Series in Phytochemistry, 2019, , 1-32.	0.4	0
549	Comparative Response of Cantaloupe Features to Amino Acids, Humic Acid and Plant Oils Towards Downy Mildew Disease. Journal of Biological Sciences, 2019, 19, 122-130.	0.3	3
550	Biochemical markers of vital biodestruction in common oak (Quercus robur). Biosystems Diversity, 2020, 27, 314-321.	0.7	3
551	Cell and Protoplast Culture for Production of Plant Metabolites. , 2020, , 71-88.		1

#	Article	IF	CITATIONS
553	Assessment of growth and phytochemical quality of Gynura procumbens through nitrogen, potassium fertilization and evapotranspiration replacement interaction. Asia-Pacific Journal of Molecular Biology and Biotechnology, 0, , 63-91.	0.1	0
554	Phenolic Contents, Antioxidant Capacity and Antibacterial Activity of Extracts from Bacillus spp. Associated with The Leaves of Some Medicinal Plants. Egyptian Academic Journal of Biological Sciences G Microbiology, 2020, 12, 55-66.	0.0	1
555	The effect of silver nanoparticles on the growth and antioxidants of transgenic hairy roots in hyssop (Hyssopus officinalis, H. angustifolius). Journal of Medicinal Plants, 2020, 19, 129-144.	0.3	2
556	Effects of soil nutrients and microbe symbiosis on the nutrient assimilation rates, growth carbon cost and phytochemicals in Mucuna pruriens (L.) DC. Acta Physiologiae Plantarum, 2021, 43, 1.	2.1	3
557	Relationship of Phenolic Metabolism to Growth in Plant and Cell Cultures Under Stress. Reference Series in Phytochemistry, 2021, , 837-868.	0.4	2
558	Newly Identified Phenolic Compounds from Different Plant Families. , 2020, , 157-181.		1
559	Phenolics: A Key Defence Secondary Metabolite to Counter Biotic Stress. , 2020, , 309-329.		28
560	Phenolic Compounds Against Fungal and Viral Plant Diseases. , 2020, , 201-219.		10
561	Plant Phenolics: Their Biosynthesis, Regulation, Evolutionary Significance, and Role in Senescence. , 2020, , 431-449.		7
562	Cinnamic acid as a dietary antioxidant in diabetes treatment. , 2020, , 235-243.		2
563	Khảo sÃjt khả nÄfng khÃjng oxy hóa, ức chế α-glucosidase và gây độc tế bÃo ung thƺ vú (M của cao chiết từ cAjnh hoa vạn thổ(Tagetes erecta L.). Tap Chi Khoa Hoc = Journal of Science, 2020, 56,	CF-7), ung 128.	g thư cổ tá
564	Nano- and Submicrometer Calcium Pectinate Particles as Carriers of Plant Growth Regulators. Russian Journal of Applied Chemistry, 2020, 93, 512-518.	0.5	0
565	Origin and Function of Structural Diversity in the Plant Specialized Metabolome. Plants, 2021, 10, 2393.	3.5	22
566	Research Trends on the Metabolic Engineering of Phenylpropanoid Compounds Based on the Gene-editing Technology. Journal of Agriculture & Life Science, 2020, 54, 1-9.	0.2	0
567	Regulation of the Phenolic Compounds Accumulation in the Tea-Plant Callus Culture with a Separate and Combined Effect of Light and Cadmium Ions. Biology Bulletin, 2020, 47, 593-604.	0.5	13
568	Effects of 1-methylcyclopropene treatment on phenolic metabolism in postharvest Gynura bicolor DC. Scientia Horticulturae, 2022, 293, 110668.	3.6	6
569	Unravelling the phenolic compound reserves, antioxidant and enzyme inhibitory activities of an endemic plant species, <i>Achillea pseudoaleppica</i> . Journal of Biomolecular Structure and Dynamics, 2023, 41, 445-456.	3.5	11
570	Response of physiological parameters in Dionaea muscipula J. Ellis teratomas transformed with rolB oncogene. BMC Plant Biology, 2021, 21, 564.	3.6	6

ARTICLE IF CITATIONS Dose-dependent effects of CeO<sub>2</sub> nanomaterials on tomato plant chemistry and insect 4.3 10 herbivore resistance. Environmental Science: Nano, 2021, 8, 3577-3589. Comparative Omics Analysis of Endophyte-Infected and Endophyte-Free Achnatherum Sibiricum in 0.4 Response to Pathogenic Fungi. SSRN Electronic Journal, 0, , . Plant Secondary Metabolites Produced in Response to Abiotic Stresses Has Potential Application in 3.8 126 Pharmaceutical Product Development. Molecules, 2022, 27, 313. Stress-Responsive cis-Regulatory Elements Underline Podophyllotoxin Biosynthesis and Better Performance of Sinopodophyllum hexandrum Under Water Déficit Conditions. Frontiers in Plant Science, 2021, 12, 751846. Fungal Elicitor-Mediated Induction of Innate Immunity in Catharanthus roseus Against Leaf Blight 5.1 2 Disease Caused by Alternaria alternata. Journal of Plant Growth Regulation, 2023, 42, 491-501. Evaluation of a large apricot germplasm collection for fruit skin and flesh acidity and organic acids 3.6 composition. Scientia Horticulturae, 2022, 294, 110780. Phenolics mediate suppression of Fusarium oxysporum f. sp. cubense TR4 by legume root exudates. 3.0 10 Rhizosphere, 2022, 21, 100459. Response of Transgenic Potato Plants Expressing Heterologous Genes of â^†9- or â^†12-Acyl-lipid 3.5 Desaturases to Phytophthora infestans Infection. Plants, 2022, 11, 288. Phenolic-Rich Plant Extracts With Antimicrobial Activity: An Alternative to Food Preservatives and 580 3.5 43 Biocides?. Frontiers in Microbiology, 2021, 12, 753518. Phenolic compound profile of probiotic (Lacticaseibacillus rhamnosus LR5) fortified vegetable tablet 3.3 and probiotic survival in the simulated gastrointestinal tract. Scientific Reports, 2022, 12, 1014. Response of Posidonia oceanica (L.) Delile and Its Associated N2 Fixers to Different Combinations of 582 2.5 5 Temperature and Light Levels. Frontiers in Marine Science, 2022, 8, . Participation of low molecular weight antioxidants selenium and caffeic acid in the regulation of respiration in Solanum Tuberosum in hypothermic conditions. BIO Web of Conferences, 2022, 43, 02022. Can Polyphenols Inhibit Ferroptosis?. Antioxidants, 2022, 11, 150. 5.1 15 Effects of Isorhamnetin on Diabetes and Its Associated Complications: A Review of In Vitro and In Vivo Studies and a Post Hoc Transcriptome Analysis of Involved Molecular Pathways. International Journal 4.1 24 of Molecular Sciences, 2022, 23, 704. Therapeutic Potential of Polyphenols in Alzheimer's Therapy: Broad-Spectrum and Minimal Side Effects 586 2 as Key Aspects. , 2021, , 111-133. Plant Phenolic Compounds for Abiotic Stress Tolerance., 2022, , 193-237. Role of Plant Secondary Metabolites as Modulators of Multidrug Resistance in Cancer Therapy., 2022, 588 1 ,415-435.

Physiological Function of Phenolic Compounds in Plant Defense System. Biochemistry, 0, , .

CITATION REPORT

1.2

589

571

573

574

576

577

578

579

#	Article	IF	CITATIONS
590	Barley: a potential cereal for producing healthy and functional foods. Food Quality and Safety, 2022, 6, .	1.8	22
591	Impact of Plant-Based Foods and Nutraceuticals on Toxoplasma gondii Cysts: Nutritional Therapy as a Viable Approach for Managing Chronic Brain Toxoplasmosis. Frontiers in Nutrition, 2022, 9, 827286.	3.7	2
592	Plant Ploidy Level and the Presence of Cadmium in the Growing Environment Changes the Content of the Main Components of the Phenolic Complex in Buckwheat Sprouts. Doklady Biochemistry and Biophysics, 2022, 502, 10-14.	0.9	1
593	Effect of Biotic and Abiotic Stresses on Plant Metabolic Pathways. Biochemistry, 0, , .	1.2	6
594	Synthesis of Phosphoramidate Prodrugs of Phenolic Natural Products and Drugs by Ester Exchange. Synthesis, 0, , .	2.3	0
596	Reinforcing the bulwark: unravelling the efficient applications of plant phenolics and tannins against environmental stresses. Heliyon, 2022, 8, e09094.	3.2	34
597	Differential Expression of Calycosin-7-O-β-D-glucoside Biosynthesis Genes and Accumulation of Related Metabolites in Different Organs of Astragalus membranaceus Bge. var. mongholicus (Bge.) Hsiao Under Drought Stress. Applied Biochemistry and Biotechnology, 2022, 194, 3182-3195.	2.9	7
598	Pretreatment with LEDs regulates antioxidant capacity and polyphenolic profile in two genotypes of basil under salinity stress. Protoplasma, 2022, 259, 1567-1583.	2.1	2
599	Spearmint (Mentha spicata L.) Phytochemical Profile: Impact of Pre/Post-Harvest Processing and Extractive Recovery. Molecules, 2022, 27, 2243.	3.8	3
600	Functional and structural insight into the flexibility of cytochrome P450 reductases from Sorghum bicolor and its implications for lignin composition. Journal of Biological Chemistry, 2022, 298, 101761.	3.4	6
601	Coumarin-Mediated Growth Regulations, Antioxidant Enzyme Activities, and Photosynthetic Efficiency of Sorghum bicolor Under Saline Conditions. Frontiers in Plant Science, 2022, 13, 799404.	3.6	8
602	Functional R2R3-MYB transcription factor NsMYB1, regulating anthocyanin biosynthesis, was relative to the fruit color differentiation in Nitraria sibirica Pall BMC Plant Biology, 2022, 22, 186.	3.6	8
603	"Endophytes: an unexplored treasure to combat Multidrug resistance― Phytomedicine Plus, 2022, 2, 100249.	2.0	16
604	Role of polyphenols in combating Type 2 Diabetes and insulin resistance. International Journal of Biological Macromolecules, 2022, 206, 567-579.	7.5	95
605	Metabolic footprints of chitosan primed red kidney bean under restricted irrigation. International Journal of Biological Macromolecules, 2022, 208, 367-380.	7.5	4
606	Short rotation woody crops as a source of bioactive compounds depending on genotype and harvest cycle. Industrial Crops and Products, 2022, 180, 114770.	5.2	0
607	Regulation of flavonoid biosynthesis in representatives of the tribe Phaseoleae DC Plant Biotechnology and Breeding, 2022, 4, 15-25.	2.0	0
608	Current Status of Medicinal Plants in Perspective of Environmental Challenges and Global Climate Changes. Environmental Challenges and Solutions, 2022, , 1-28.	0.9	2

#	Article	IF	CITATIONS
609	Physiological and Biochemical Responses of Medicinal Plants to Salt Stress. Environmental Challenges and Solutions, 2022, , 153-181.	0.9	4
610	Bacillus subtilis suppresses the charcoal rot disease by inducing defence responses and physiological attributes in soybean. Archives of Microbiology, 2022, 204, 266.	2.2	4
611	Insights into acylation mechanisms: coâ€expression of serine carboxypeptidaseâ€like acyltransferases and their nonâ€catalytic companion paralogs. Plant Journal, 2022, 111, 117-133.	5.7	26
622	Beneficial Role of Phytochemicals in Oxidative Stress Mitigation in Plants. , 2022, , 435-451.		1
623	Flavonoids. Advances in Medical Diagnosis, Treatment, and Care, 2022, , 265-296.	0.1	1
624	HPLC in the discovery of plant phenolics as antifungal molecules against Candida infection related biofilms. Microchemical Journal, 2022, 179, 107572.	4.5	3
625	Biostimulant Effects of Chaetomium globosum and Minimedusa polyspora Culture Filtrates on Cichorium intybus Plant: Growth Performance and Metabolomic Traits. Frontiers in Plant Science, 2022, 13, .	3.6	6
626	Comparative Analysis of the Morphological, Physiological, Proteomic, and Metabolic Mechanisms of the "Biloxi―Blueberry Response to Shade Stress. Frontiers in Plant Science, 2022, 13, 877789.	3.6	8
627	Quercus suber: A Promising Sustainable Raw Material for Cosmetic Application. Applied Sciences (Switzerland), 2022, 12, 4604.	2.5	7
628	Bark Beetle Attack History Does Not Influence the Induction of Terpene and Phenolic Defenses in Mature Norway Spruce (Picea abies) Trees by the Bark Beetle-Associated Fungus Endoconidiophora polonica. Frontiers in Plant Science, 2022, 13, .	3.6	4
629	RECOVERY OF ELLAGIC ACID FROM MEXICAN RAMBUTAN PEEL BY SOLID-STATE FERMENTATION-ASSISTED EXTRACTION Food and Bioproducts Processing, 2022, , .	3.6	9
630	Effects of shading at different growth stages with various shading intensities on the grain yield and anthocyanin content of colored rice (Oryza sativa L.). Field Crops Research, 2022, 283, 108555.	5.1	9
631	The biochemical and molecular investigation of flower color and scent sheds lights on further genetic modification of ornamental traits in <i>Clivia miniata</i> . Horticulture Research, 2022, 9, .	6.3	9
632	Raman Spectroscopy Enables Non-invasive and Confirmatory Diagnostics of Aluminum and Iron Toxicities in Rice. Frontiers in Plant Science, 2022, 13, .	3.6	5
633	Seed Coating with Triflumezopyrim Induces the Rice Plant's Defense and Inhibits the Brown Planthopper's Feeding Behavior. Agronomy, 2022, 12, 1202.	3.0	1
634	Effect of Deficit Irrigation Using Treated Wastewater on Eggplant Yields, Water Productivity, Fruit Quality and Mineral Contents. Russian Agricultural Sciences, 2022, 48, 63-73.	0.2	3
635	Plant Secondary Metabolites as aÂTool to Investigate Biotic Stress Tolerance in Plants: AÂReview. Gesunde Pflanzen, 2022, 74, 771-790.	3.0	28
636	Comparative Research on Metabolites of Different Species of Epichloë Endophytes and Their Host Achnatherum sibiricum. Journal of Fungi (Basel, Switzerland), 2022, 8, 619.	3.5	1

#	Article	IF	CITATIONS
637	Effect of hot air impingement drying on drying behavior, volatile components profile, shell burst ratio, flavonoid contents, microstructure of <i>Amomum villosum</i> fruits. Drying Technology, 2023, 41, 107-121.	3.1	6
638	Analyses on Flavonoids and Transcriptome Reveals Key MYB Gene for Proanthocyanidins Regulation in Onobrychis Viciifolia. Frontiers in Plant Science, 0, 13, .	3.6	6
639	Phytochemical studies in the field of plant tissue culture. , 2022, , 395-405.		0
640	Analysis of flower extract and natural dye solution from Sesbania javanica using Fourier-transform infrared spectroscopy (FTIR) chemometrics, and determination of its antioxidant and anti-glucosidase activities. , 2022, 29, 707-722.		2
641	Quantitative Proteomics Analysis Reveals Proteins Associated with High Melatonin Content in Barley Seeds under NaCl-Induced Salt Stress. Journal of Agricultural and Food Chemistry, 2022, 70, 8492-8510.	5.2	7
642	BnaA03.ANS Identified by Metabolomics and RNA-seq Partly Played Irreplaceable Role in Pigmentation of Red Rapeseed (Brassica napus) Petal. Frontiers in Plant Science, 0, 13, .	3.6	10
643	Anti-Inflammatory and Antioxidant Capacity of a Fruit and Vegetable-Based Nutraceutical Measured by Urinary Oxylipin Concentration in a Healthy Population: A Randomized, Double-Blind, Placebo-Controlled Clinical Trial. Antioxidants, 2022, 11, 1342.	5.1	4
644	Plant Nutrition for Human Health: A Pictorial Review on Plant Bioactive Compounds for Sustainable Agriculture. Sustainability, 2022, 14, 8329.	3.2	20
645	Identifying potential flavonoid biosynthesis regulator in Zanthoxylum bungeanum Maxim. by genome-wide characterization of the MYB transcription factor gene family. Journal of Integrative Agriculture, 2022, 21, 1997-2018.	3.5	6
646	Genomic insights into the evolution of plant chemical defense. Current Opinion in Plant Biology, 2022, 68, 102254.	7.1	2
647	Effects of microwave irradiation of Fagopyrum tataricum seeds on the physicochemical and functional attributes of sprouts. LWT - Food Science and Technology, 2022, 165, 113738.	5.2	8
648	Chitosan augments bioactive properties and drought resilience in drought-induced red kidney beans. Food Research International, 2022, 159, 111597.	6.2	0
649	The beneficial effect of Epichloë endophytes on the growth of host grasses was affected by arbuscular mycorrhizal fungi, pathogenic fungi and nitrogen addition. Environmental and Experimental Botany, 2022, 201, 104979.	4.2	10
650	Widely targeted metabolomics analysis characterizes the phenolic compounds profiles in mung bean sprouts under sucrose treatment. Food Chemistry, 2022, 395, 133601.	8.2	8
651	Characterization of phenolic profile in dried grape skin of Vitis vinifera L. cv. Pinot Blanc with UHPLC-MS/MS and its development during ripening. Journal of Food Composition and Analysis, 2022, 114, 104731.	3.9	3
652	Role of phenolic compounds in adventitious root formation. , 2023, , 251-288.		2
653	Phenolic Profiling and In-Vitro Bioactivities of Corn (Zea mays L.) Tassel Extracts by Combining Enzyme-Assisted Extraction. Foods, 2022, 11, 2145.	4.3	6
654	Environmental Abiotic Stress and Secondary Metabolites Production in Medicinal Plants: A Review. Tarim Bilimleri Dergisi, 0, , .	0.4	3

#	Article	IF	CITATIONS
655	Defense Responses and Metabolic Changes Involving Phenylpropanoid Pathway and PR Genes in Squash (Cucurbita pepo L.) following Cucumber mosaic virus Infection. Plants, 2022, 11, 1908.	3.5	11
656	Artificial neural network modeling to predict and optimize phenolic acid production from callus culture of Lactuca undulata Ledeb In Vitro Cellular and Developmental Biology - Plant, 0, , .	2.1	0
657	The putative obtusifoliol 14αâ€demethylase <scp>OsCYP51H3</scp> affects multiple aspects of rice growth and development. Physiologia Plantarum, 2022, 174, .	5.2	2
658	How do arbuscular mycorrhizas affect reproductive functional fitness of host plants?. Frontiers in Plant Science, 0, 13, .	3.6	2
659	Foliar spray of commercial seaweed and amino acid-derived biostimulants promoted phytoremediation potential and salinity stress tolerance in halophytic grass, <i>Puccinellia distans</i> . International Journal of Phytoremediation, 2023, 25, 415-429.	3.1	1
660	Morphological, physiological, and secondary metabolic responses of Taraxacum officinale to salt stress. Plant Physiology and Biochemistry, 2022, 189, 71-82.	5.8	8
661	Application of growth promoting hormones alters the composition and antioxidant potential of dill essential oil under salt stress. Scientific Reports, 2022, 12, .	3.3	3
662	High and diverse plastic responses to water availability in four desert woody species of South America. Trees - Structure and Function, 2022, 36, 1881-1894.	1.9	2
663	Extraction and Characterization of Antioxidant Compounds in Almond (Prunus amygdalus) Shell Residues for Food Packaging Applications. Membranes, 2022, 12, 806.	3.0	2
664	Effects of ascorbic acid addition on the oxidative stress response of Oryza sativa L. plants to As(V) exposure. Plant Physiology and Biochemistry, 2022, 186, 232-241.	5.8	6
665	Effect of exogenous putrescine on flower growth, post-harvest quality and root mycorrhizal development of gerbera (Gerbera jamesonii cv. Dune) cut flowers. South African Journal of Botany, 2022, 150, 641-650.	2.5	1
666	Performance and Genetic Parameters of Poplar Hybrids and Clones in a Field Trial Are Modified by Contrasting Environmental Conditions during the Vegetative Propagation Phase. Plants, 2022, 11, 2401.	3.5	0
667	Supportive effect of naringenin on NaCl-induced toxicity in <i>Carthamus tinctorius</i> seedlings. International Journal of Phytoremediation, 2023, 25, 889-899.	3.1	3
668	Enhancing bioactive compounds accumulation in red beet (Beta Vulgaris L.) plants by managing N nutrition. The identification of the †critical' zone as a cultivation technique. Plant Physiology and Biochemistry, 2022, 188, 21-30.	5.8	0
669	Comprehensive evaluation of functional components, biological activities, and minerals of yam species (Dioscorea polystachya and D. alata) from China. LWT - Food Science and Technology, 2022, 168, 113964.	5.2	7
670	Effect of processing treatments on the phytochemical composition of asparagus (Asparagus) Tj ETQq1 1 0.784	314_rgBT /	Ovgrlock 10
671	Comparative omics analysis of endophyte-infected and endophyte-free Achnatherum sibiricum in response to pathogenic fungi. Biological Control, 2022, 175, 105040.	3.0	0
672	Sucrose-induced abiotic stress improves the phytochemical profiles and bioactivities of mung bean sprouts. Food Chemistry, 2023, 400, 134069.	8.2	9

# 673	ARTICLE Solid-liquid extraction of polyphenols. , 2022, , 73-112.	IF	CITATIONS 0
674	Anti-Helicobacter pylori activities of African medicinal plants. Advances in Botanical Research, 2022, , .	1.1	0
675	Recent advances in natural product-based anticancer agents. Studies in Natural Products Chemistry, 2022, , 367-447.	1.8	2
676	Recent advances in catalytic oxidative reactions of phenols and naphthalenols. Organic Chemistry Frontiers, 2022, 9, 5395-5413.	4.5	7
677	Polyphenols applications in food industry sector. , 2022, , 301-336.		0
678	Integration of Metabolomics and Transcriptomics Reveal the Mechanism Underlying Accumulation of Flavonols in Albino Tea Leaves. Molecules, 2022, 27, 5792.	3.8	5
679	Polyphenols and Small Phenolic Acids as Cellular Metabolic Regulators. Current Issues in Molecular Biology, 2022, 44, 4152-4166.	2.4	9
681	The Adjustment Strategy of Venus Flytrap Photosynthetic Apparatus to UV-A Radiation. Cells, 2022, 11, 3030.	4.1	2
682	Influence of Abiotic Environmental Factors on the Accumulation of Phenolic Metabolites of Dasiphora fruticosa. Contemporary Problems of Ecology, 2022, 15, 508-520.	0.7	0
683	Phytochemical and anti-inflammatory properties of green macroalga Codium tomentosum. Biocatalysis and Agricultural Biotechnology, 2022, 45, 102492.	3.1	5
684	The Potential of Rhizobacteria for Plant Growth and Stress Adaptation. Rhizosphere Biology, 2022, , 205-224.	0.6	0
685	Biochemical Composition of Sweet Cherry Leaves Depending on the Method of Soil Maintenance in an Organic Garden. Scientific Horizons, 2022, 25, .	0.6	3
686	Altitude as a determinant of fruit quality with emphasis on the Andean tropics of Colombia. A review Agronomia Colombiana, 2022, 40, .	0.5	22
687	A Brief Review of Plant Cell Transfection, Gene Transcript Expression, and Genotypic Integration for Enhancing Compound Production. Methods in Molecular Biology, 2023, , 153-179.	0.9	Ο
688	Metabolite Profiling of Paraquat Tolerant Arabidopsis thaliana Radical-induced Cell Death1 (rcd1)—A Mediator of Antioxidant Defence Mechanisms. Antioxidants, 2022, 11, 2034.	5.1	1
689	The first transcriptomic analyses of fruits and cladodes for comparison between three species of Opuntia. Genetic Resources and Crop Evolution, 0, , .	1.6	0
690	Effects of Hydrogen Peroxide on In Vitro Cultures of Tea (Camellia sinensis L.) Grown in the Dark and in the Light: Morphology, Content of Malondialdehyde, and Accumulation of Various Polyphenols. Molecules, 2022, 27, 6674.	3.8	4
691	Transcription factor NtWRKY33a modulates the biosynthesis of polyphenols by targeting NtMYB4 and NtHCT genes in tobacco. Plant Science, 2022, , 111522.	3.6	1

#	Article	IF	CITATIONS
692	Impact of Foliar Application of Amino Acids on Essential Oil Content, Odor Profile, and Flavonoid Content of Different Mint Varieties in Field Conditions. Plants, 2022, 11, 2938.	3.5	6
693	Better tolerance to Huanglongbing is conferred by tetraploid Swingle citrumelo rootstock and is influenced by the ploidy of the scion. Frontiers in Plant Science, 0, 13, .	3.6	2
694	λ-Carrageenan promotes plant growth in banana via enhancement of cellular metabolism, nutrient uptake, and cellular homeostasis. Scientific Reports, 2022, 12, .	3.3	8
695	Regulation of essential oil in aromatic plants under changing environment. Journal of Applied Research on Medicinal and Aromatic Plants, 2023, 32, 100441.	1.5	4
696	Total phenolics, quercetin glycosides and antioxidant activity in organic and conventional orchards in three apple cultivars during fruit growth. Spanish Journal of Agricultural Research, 2022, 20, e0805.	0.6	1
697	Rapid screening of phenolic compounds in extracts of photosynthetic organisms separated using a C18 monolithic column based HPLC-UV method. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2022, , 123521.	2.3	3
699	The new isolated Archaea strain improved grain yield, metabolism and quality of wheat plants under Co stress conditions. Journal of Plant Physiology, 2023, 280, 153876.	3.5	2
700	The oxidative damage of the Lagerstroemia indica chlorosis mutant gl1 involves in ferroptosis. Journal of Plant Physiology, 2023, 280, 153886.	3.5	2
701	Biochemical and Physiological Responses of Arabidopsis thaliana Leaves to Moderate Mechanical Stimulation. Phyton, 2023, 92, 901-920.	0.7	0
702	Diverse responses of halophyte and glycophyte Lepidium species to the salt-mediated amelioration of nickel toxicity and accumulation. Journal of Plant Research, 2023, 136, 117-137.	2.4	1
703	Morfoanatomia dos órgãos vegetativos de Wunderlichia azulensis Maguire & G. M. Barroso (Asteraceae) de um afloramento rochoso no norte do Rio de Janeiro, Brasil. Biotemas, 2022, 35, 1-14.	0.1	0
704	The Streptomyces scabiei Pathogenicity Factor Thaxtomin A Induces the Production of Phenolic Compounds in Potato Tubers. Plants, 2022, 11, 3216.	3.5	2
705	Flavonoids Are Intra- and Inter-Kingdom Modulator Signals. Microorganisms, 2022, 10, 2479.	3.6	8
706	The Elicitor Effect of Yeast Extract on the Accumulation of Phenolic Compounds in Linum grandiflorum Cells Cultured In Vitro and Their Antiradical Activity. Biology Bulletin, 2022, 49, 620-628.	0.5	2
707	Phenolics: Key Players in Interaction Between Plants and Their Environment. , 2023, , 23-46.		2
708	Role of Plant Phenolics Against Reactive Oxygen Species (ROS) Induced Oxidative Stress and Biochemical Alterations. , 2023, , 125-147.		9
709	Anthropogenic Stress and Phenolic Compounds: An Environmental Robustness Diagnostics Compound Family in Stress Ameliorations. , 2023, , 391-413.		0
710	Pigment composition analysis of selected green microalgae through multivariate analysis and their potential as high value nutraceuticals. Vegetos, 0, , .	1.5	0

#	Article	IF	CITATIONS
711	Impact of Phenolics on Drought Stress and Expression of Phenylpropanoid Pathway Genes. , 2023, , 265-285.		4
712	Effect of <i>Bacillus thuringiensis</i> strains on growth and metabolic processes in <i>Pisum sativum</i> L. sprouts. Izvestiâ Vuzov: Prikladnaâ Himiâ I Biotehnologiâ, 2023, 12, 557-565.	0.3	Ο
713	New Insight into Short Time Exogenous Formaldehyde Application Mediated Changes in Chlorophytum comosum L. (Spider Plant) Cellular Metabolism. Cells, 2023, 12, 232.	4.1	0
714	Historical Perspective of Plant Phenolics. , 2023, , 1-22.		1
715	Importance of Insoluble-Bound Phenolics to the Antioxidant Potential Is Dictated by Source Material. Antioxidants, 2023, 12, 203.	5.1	16
716	Trichoderma asperellum promotes the development and antioxidant activity of white onion (Allium) Tj ETQq1 1 (	).784314 2.1	rgβT /Overloc
717	Interactive Role of Phenolics and PGPR in Alleviating Heavy Metal Toxicity in Wheat. , 2023, , 287-320.		3
718	Patterns of Phenolic Compounds in Betula and Pinus Pollen. Plants, 2023, 12, 356.	3.5	3
719	Plant Phenolics: As Antioxidants and Potent Compounds Under Multiple Stresses. , 2023, , 215-234.		2
720	Effect of 1-methylcyclopropene on flat peach fruit quality based on electronic senses, LC-MS, and HS-SPME-GC-MS during shelf storage. LWT - Food Science and Technology, 2023, 173, 114388.	5.2	2
721	Method for Determining the Total Content of Phenolic Compounds in Plant Extracts with Folin–Denis Reagent and Folin–Ciocalteu Reagent: Modification and Comparison. Russian Journal of Bioorganic Chemistry, 2022, 48, 1519-1525.	1.0	9
722	IMPROVINGFRUITSQUALITY IN THE PROCESS OF BREEDING BUCKWHEAT. , 2022, 1, 29-33.		2
723	Excess boron stress and alleviation of its toxicity in plants: mechanisms and strategies. Journal of Plant Nutrition, 2023, 46, 2724-2746.	1.9	0
724	Recent Advances in Health Benefits of Bioactive Compounds from Food Wastes and By-Products: Biochemical Aspects. International Journal of Molecular Sciences, 2023, 24, 2019.	4.1	31
725	Molecular responses of wild blueberry phenotypes to <i>Botrytis cinerea</i> infection. Acta Horticulturae, 2023, , 177-184.	0.2	0
726	Genomic and metabolic profiling of two tomato contrasting cultivars for tolerance to Tuta absoluta. Planta, 2023, 257, .	3.2	1
727	Polyphenol and Tryptophan Contents of Purple Corn (Zea mays L.) Variety KND and Butterfly Pea (Clitoria ternatea) Aqueous Extracts: Insights into Phytochemical Profiles with Antioxidant Activities and PCA Analysis. Plants, 2023, 12, 603.	3.5	5
728	New Trends from Plant Secondary Metabolism in the Pharmaceutical Industry. , 2023, , 779-822.		1

#	Article	IF	CITATIONS
729	The perspectives of using Pelargonium sidoides hybrids. Visnik Ukrains Kogo Tovaristva Genetikiv I Selekcioneriv, 2023, 20, 16-23.	0.2	0
730	Eco-physiological response of secondary metabolites of teas: Review of quality attributes of herbal tea. Frontiers in Sustainable Food Systems, 0, 7, .	3.9	3
731	Modulation of defense genes and phenolic compounds in wild blueberry in response to Botrytis cinerea under field conditions. BMC Plant Biology, 2023, 23, .	3.6	4
732	Valorisation of Three Underutilised Native Australian Plants: Phenolic and Organic Acid Profiles and In Vitro Antimicrobial Activity. Foods, 2023, 12, 623.	4.3	3
733	Chemical diversity and biological activities of specialized metabolites from the genus Chaetomium: 2013–2022. Phytochemistry, 2023, 210, 113653.	2.9	3
734	Phytochemically Rich Medicinally Important Plant Families. , 2022, , 35-68.		0
735	Comparison of thermal and non-thermal extraction methods on free and bound phenolics in pomegranate peel. Innovative Food Science and Emerging Technologies, 2023, 84, 103291.	5.6	6
736	Light-Induced Flavonoid Biosynthesis in Sinopodophyllum hexandrum with High-Altitude Adaptation. Plants, 2023, 12, 575.	3.5	4
737	A critical analysis on the concentrations of phenolic compounds tested using <i>in vitro</i> and <i>in vivo</i> Parkinson's disease models. Critical Reviews in Food Science and Nutrition, 0, , 1-20.	10.3	1
738	Metabolomics analysis reveals the accumulation patterns of flavonoids and phenolic acids in quinoa (Chenopodium quinoa Willd.) grains of different colors. Food Chemistry: X, 2023, 17, 100594.	4.3	10
739	Epsilon-poly- <scp>l</scp> -lysine increases disease resistance of citrus against postharvest green mold by activating amino acid metabolism and phenolic compounds biosynthesis. Food Quality and Safety, 2023, 7, .	1.8	5
740	Influence of Different Precursors on Content of Polyphenols in Camellia sinensis In Vitro Callus Culture. Plants, 2023, 12, 796.	3.5	2
741	Integration of lipidomics and metabolomics approaches for the discrimination of harvest time of green tea in spring season by using UPLC-Triple-TOF/MS coupled with chemometrics. Frontiers in Sustainable Food Systems, 0, 7, .	3.9	3
742	Production of a Fungal Punicalagin-Degrading Enzyme by Solid-State Fermentation: Studies of Purification and Characterization. Foods, 2023, 12, 903.	4.3	2
743	Integrated Analysis of microRNA and RNA-Seq Reveals Phenolic Acid Secretion Metabolism in Continuous Cropping of Polygonatum odoratum. Plants, 2023, 12, 943.	3.5	2
744	Revisiting the role of phenylpropanoids in plant defense against UV-B stress. Plant Stress, 2023, 7, 100143.	5.5	14
745	Drought-induced recruitment of specific root-associated bacteria enhances adaptation of alfalfa to drought stress. Frontiers in Microbiology, 0, 14, .	3.5	7
746	Resistance induction with silicon in Hass avocado plants inoculated with <i>Phytophthora</i>	2.4	2

#	Article	IF	CITATIONS
747	Extraction and Analysis of Polyphenolic Compounds in Ficus carica L , 2023, , 643-662.		0
748	Inductive role of the brown alga Sargassum polycystum on growth and biosynthesis of imperative metabolites and antioxidants of two crop plants. Frontiers in Plant Science, 0, 14, .	3.6	5
749	Carnivorous Plants from Nepenthaceae and Droseraceae as a Source of Secondary Metabolites. Molecules, 2023, 28, 2155.	3.8	7
750	Secondary Metabolites and Bioprospecting. , 2023, , 229-255.		0
751	Untargeted profiling of secondary metabolites and phytotoxins associated with stemphylium blight of lentil. Planta, 2023, 257, .	3.2	1
752	Plant Metabolomics: An Overview of the Role of Primary and Secondary Metabolites against Different Environmental Stress Factors. Life, 2023, 13, 706.	2.4	27
753	Photoperiod affects growth, seed production, and biochemical composition in <scp> <i>Salicornia</i> </scp> species under salinity. Plant Species Biology, 0, , .	1.0	0
755	Integrative Analysis of Metabolome and Transcriptome Reveals Molecular Insight into Metabolomic Variations during Hawthorn Fruit Development. Metabolites, 2023, 13, 423.	2.9	5
756	Temporary immersion bioreactors as a useful tool for obtaining high productivity of phenolic compounds with strong antioxidant properties from Pontechium maculatum. Plant Cell, Tissue and Organ Culture, 2023, 153, 525-537.	2.3	4
757	Ability of a Polyphenol-Rich Nutraceutical to Reduce Central Nervous System Lipid Peroxidation by Analysis of Oxylipins in Urine: A Randomized, Double-Blind, Placebo-Controlled Clinical Trial. Antioxidants, 2023, 12, 721.	5.1	1
758	The Mutagenic Effects of Environmental Radon Gas Radiation on the Tanshinone Related Metabolites in Artemisia Absinthium. Journal of Crop Breeding, 2022, 14, 129-137.	0.1	0
759	Characterization and Expression Analysis of Early Drought-Induced MaAPX Gene in Mulberry. Russian Journal of Plant Physiology, 2022, 69, .	1.1	0
760	Genome-Wide Association Study for Seed Dormancy Using Re-Sequenced Germplasm under Multiple Conditions in Rice. International Journal of Molecular Sciences, 2023, 24, 6117.	4.1	1
761	Targeting Interfacial Location of Phenolic Antioxidants in Emulsions: Strategies and Benefits. Annual Review of Food Science and Technology, 2023, 14, 63-83.	9.9	1
762	Assessment of Shoot Priming Efficiency to Counteract Complex Metal Stress in Halotolerant Lobularia maritima. Plants, 2023, 12, 1440.	3.5	2
763	Differences in Pathogenesis-Related Protein Expression and Polyphenolic Compound Accumulation Reveal Insights into Tomato–Pythium aphanidermatum Interaction. Sustainability, 2023, 15, 6551.	3.2	7
764	Interplay of silymarin and clove fruit extract effectively enhances cadmium stress tolerance in wheat (Triticum aestivum). Frontiers in Plant Science, 0, 14, .	3.6	7
765	The Classification, Molecular Structure and Biological Biosynthesis of Flavonoids, and Their Roles in Biotic and Abiotic Stresses. Molecules, 2023, 28, 3599.	3.8	20

#	Article	IF	CITATIONS
766	Phenolic Profile of Castanea Bee Pollen from the Northwest of the Iberian Peninsula. Separations, 2023, 10, 270.	2.4	6
767	Physiological response and proteomic profiling of biochar-induced tomato resistance to bacterial wilt. Scientia Horticulturae, 2023, 317, 112055.	3.6	3
768	Atriplex halimus water extract: a biochemical composition that enhanced the faba bean plants growth. Physiology and Molecular Biology of Plants, 2023, 29, 601-611.	3.1	1
769	Time of day of leaf wounding determines plant biomass and affects the interplay between growth and defence in <i>Brassica</i> crops. Plant Biology, 2023, 25, 785-792.	3.8	1
770	Plant and Growth Condition Interactions on the Phenolic Compound Contents and Antioxidant Activity in Salvia circinata Cav., a Medicinal Sage. Diversity, 2023, 15, 656.	1.7	0
771	The resilient cotton plant: uncovering the effects of stresses on secondary metabolomics and its underlying molecular mechanisms. Functional and Integrative Genomics, 2023, 23, .	3.5	6
772	Elucidating the Mesocarp Drupe Transcriptome of Açai (Euterpe oleracea Mart.): An Amazonian Tree Palm Producer of Bioactive Compounds. International Journal of Molecular Sciences, 2023, 24, 9315.	4.1	0
773	Effects of air humidity and soil moisture on secondary metabolites in the leaves and roots of Betula pendula of different competitive status. Oecologia, 2023, 202, 193-210.	2.0	1
775	Foliar application of Phenylalanine functionalized multi-walled carbon nanotube improved the content of volatile compounds of basil grown in greenhouse. Environmental Science and Pollution Research, 2023, 30, 77385-77407.	5.3	0
776	DNA-Based Molecular Markers and Antioxidant Properties to Study Genetic Diversity and Relationship Assessment in Blueberries. Agronomy, 2023, 13, 1518.	3.0	0
777	Multilayered regulation of secondary metabolism in medicinal plants. Molecular Horticulture, 2023, 3, .	5.8	7
778	Engineering Escherichia coli for efficient and economic production of C-glycosylflavonoids by deleting YhhW and regulating pH. Bioprocess and Biosystems Engineering, 2023, 46, 1251-1264.	3.4	1
779	Transcriptomic Analysis on the Peel of UV-B-Exposed Peach Fruit Reveals an Upregulation of Phenolic- and UVR8-Related Pathways. Plants, 2023, 12, 1818.	3.5	3
780	Garlic Ecotypes Utilise Different Morphological, Physiological and Biochemical Mechanisms to Cope with Drought Stress. Plants, 2023, 12, 1824.	3.5	4
781	Analysis of phenolic compounds in Parkinson's disease: a bibliometric assessment of the 100 most cited papers. Frontiers in Aging Neuroscience, 0, 15, .	3.4	0
782	Phenoloxidases: catechol oxidase – the temporary employer and laccase – the rising star of vascular plants. Horticulture Research, 2023, 10, .	6.3	1
783	Can farmland transfer reduce vulnerability as expected poverty? Evidence from smallholder households in rural China. Frontiers in Sustainable Food Systems, 0, 7, .	3.9	1
784	Ca2+-Priming Improves Tolerance to Osmotic Stress in Early Growth Stage of Quinoa (Chenopodium) Tj ETQq1 1 Physiology, 2023, 70, .	0.784314 1.1	rgBT /Overl 2

#	Article	IF	CITATIONS
785	The Cactus (Opuntia ficus-indica) Cladodes and Callus Extracts: A Study Combined with LC-MS Metabolic Profiling, In-Silico, and In-Vitro Analyses. Antioxidants, 2023, 12, 1329.	5.1	1
787	Inhibition of Cancer Development by Natural Plant Polyphenols: Molecular Mechanisms. International Journal of Molecular Sciences, 2023, 24, 10663.	4.1	2
788	Metabolomics and Transcriptomics Analyses Reveals the Molecular Regulatory Mechanisms of Walnut (Juglans regia L.) Embryos in Response to Shade Treatment. International Journal of Molecular Sciences, 2023, 24, 10871.	4.1	0
790	Mechanisms of action of plant polyphenols on the initiation of carcinogenesis. Uspehi Molekularnoj Onkologii, 2023, 10, 30-41.	0.3	0
791	Fungal biodegradation of ellagitannins extracted from rambutan peel. Food and Bioproducts Processing, 2023, 141, 81-90.	3.6	3
793	Distinct impact of arbuscular mycorrhizal isolates on tomato plant tolerance to drought combined with chronic and acute heat stress. Plant Physiology and Biochemistry, 2023, 201, 107892.	5.8	3
794	Molecular structure and bioactivities of 2, 4-Ditert butyl phenol extracted from Plumbago zeylanica, investigated using HPLC and NMR. Biomass Conversion and Biorefinery, 0, , .	4.6	1
795	A Comparative Study of the Presence of Minerals, Flavonoids and Total Phenolic Compounds in the Leaves of Common Traditional Vegetables. Applied Sciences (Switzerland), 2023, 13, 8503.	2.5	Ο
796	Zinc oxide nano-flowers improve the growth and propagation of mulberry cuttings grown under different irrigation regimes by mitigating drought-related complications and enhancing zinc uptake. Plant Physiology and Biochemistry, 2023, 202, 107910.	5.8	2
797	Revisiting climate change impacts on plant growth and its mitigation with plant growth promoting rhizobacteria. South African Journal of Botany, 2023, 160, 586-601.	2.5	3
798	Effects of drought stress induced by D-Mannitol on the germination and early seedling growth traits, physiological parameters and phytochemicals content of Tunisian squash (Cucurbita maximaDuch.) landraces. Frontiers in Plant Science, 0, 14, .	3.6	1
799	Advances in understanding the mechanism of resistance to anthracnose and induced defence response in tea plants. Molecular Plant Pathology, 2023, 24, 1330-1346.	4.2	2
800	Nutrient resorption responses of female and male <i>Populus cathayana</i> to drought and shade stress. Physiologia Plantarum, 2023, 175, .	5.2	1
801	The decreasing trend of the competitive advantage of endophyte-infected Achnatherum sibiricum over endophyte-free plants under high nitrogen conditions was reversed by pathogenic fungi inoculation. Plant and Soil, 2023, 493, 427-439.	3.7	Ο
802	Integrated analyses of metabolomics and transcriptomics reveal the potential regulatory roles of long non-coding RNAs in gingerol biosynthesis. BMC Genomics, 2023, 24, .	2.8	0
803	Visible-light-driven [3 + 2] cyclization of phenols with indoles and olefins using recyclable Ag <sub>3</sub> PO <sub>4</sub> nanoparticles. Green Chemistry, 2023, 25, 7102-7108.	9.0	1
804	Research advances on the gene regulation of floral development and color in orchids. Gene, 2023, 888, 147751.	2.2	1
805	Bioactive substances of Colobanthus quitensis (Kunth) Bartl. from the Darboux and Lagotellerie Islands, western coast of Antarctic Peninsula. Ukrainian Antarctic Journal, 2023, 21, .	0.7	0

#	Article	IF	CITATIONS
806	Effects of Global Warming on Grapevine Berries Phenolic Compounds—A Review. Agronomy, 2023, 13, 2192.	3.0	1
807	Effects of Annual Growth Conditions on Phenolic Compounds and Antioxidant Activity in the Roots of Eryngium montanum. Plants, 2023, 12, 3192.	3.5	0
808	A metabolome and transcriptome survey to tap the dynamics of fruit prolonged shelf-life and improved quality within Greek tomato germplasm. Frontiers in Plant Science, 0, 14, .	3.6	1
809	A Comprehensive Mini-Review on Lignin-Based Nanomaterials for Food Applications: Systemic Advancement and Future Trends. Molecules, 2023, 28, 6470.	3.8	Ο
810	Heterologous codA Gene Expression Leads to Mitigation of Salt Stress Effects and Modulates Developmental Processes. International Journal of Molecular Sciences, 2023, 24, 13998.	4.1	2
812	Comparative transcriptome analysis and flavonoid profiling of floral mutants reveals CmMYB11 regulating flavonoid biosynthesis in chrysanthemum. Plant Science, 2023, 336, 111837.	3.6	0
813	Metabolomics Analysis Reveals Soybean Node Position Influence on Metabolic Profile of Soybean Seed at Various Developmental Stages. Journal of Plant Growth Regulation, 2023, 42, 6788-6800.	5.1	0
814	ESTRATÉGIAS ADAPTATIVAS À LIMITADA DISPONIBILIDADE HÃÐRICA EM ESPÉCIES ARBÓREAS DA CAATINO Multidisciplinary Sciences Reports, 2023, 3, 1-22.	CA. 0:1	0
815	Design, Synthesis, and Characterization of Cinnamic Acid Derivatives with Two Novel Acrylohydrazones on HeLa and CHO-1 Cancer Cell Lines: The Experimental and Computational Perspective. Chemistry Africa, 2024, 7, 583-604.	2.4	1
816	Polyphenols in Plants: Structure, Biosynthesis, Abiotic Stress Regulation, and Practical Applications (Review). International Journal of Molecular Sciences, 2023, 24, 13874.	4.1	13
817	Growth and defense trade-offs in dioecious Salix myrtillacea exposed to drought and low temperature stress. Environmental and Experimental Botany, 2023, 215, 105504.	4.2	0
818	Drought-Induced miRNA Expression Correlated with Heavy Metal, Phenolic Acid, and Protein and Nitrogen Levels in Five Chickpea Genotypes. ACS Omega, 2023, 8, 35746-35754.	3.5	0
819	Manganese sulfate application promotes berry flavonoid accumulation in <scp><i>Vitis vinifera</i></scp> cv. â€~Cabernet Sauvignon' by regulating flavonoid metabolome and transcriptome profiles. Journal of the Science of Food and Agriculture, 2024, 104, 1092-1106.	3.5	0
820	Interference of cultivar and ways of cultivation in lettuce (Lactuca sativa) yield and conservation. African Journal of Food Science, 2023, 17, 223-232.	0.9	0
821	Pollen variability in Quercus L. species and relative systematic implications. Plant Physiology and Biochemistry, 2023, 204, 108079.	5.8	0
822	Effects of elevated CO2 on phenolics in black locust seedlings inoculated with arbuscular mycorrhizal fungi under cadmium pollution by 13C isotopic tracer technique. Plant and Soil, 0, , .	3.7	0
823	The Content of Anthocyanins in Cowpea (Vigna unguiculata (L.) Walp.) Seeds and Contribution of the MYB Gene Cluster to Their Coloration Pattern. Plants, 2023, 12, 3624.	3.5	0
824	Metabolomic Profiling (LC–MS2) of Flowers and Bee Honey of Dzidzilche (Gymnopodium floribundum) Tj ETQq1	1 0.7843	814 rgBT /O

щ		IF	CITATIONS
# 825	Hydrogen sulfide retards fruit softening and prevents flesh browning in cold-stored peaches by regulating cell wall-modifying enzymes, phenolic, and proline metabolism. Postharvest Biology and Technology, 2024, 207, 112620.	6.0	0
826	Endophyte-inoculated rhizomes of Paris polyphylla improve polyphyllin biosynthesis and yield: a transcriptomic analysis of the underlying mechanism. Frontiers in Microbiology, 0, 14, .	3.5	0
827	Feeding-induced plant metabolite responses to a phoretic gall mite, its carrier psyllid and both, after detachment. Experimental and Applied Acarology, 2023, 91, 381-403.	1.6	0
828	The influence of plant extracts on root biostimulation in different strawberry (Fragaria $ ilde{A}$ — ananassa) Tj ETQq1 1 (	0.784314 0.6	rgBT /Overlo
829	Physiological and omics-based insights for underpinning the molecular regulation of secondary metabolite production in medicinal plants: UV stress resilience. Plant Physiology and Biochemistry, 2023, 204, 108060.	5.8	1
830	The HD-Zip I transcription factor MdHB-7 negatively regulates Valsa canker resistance in apple (Malus) Tj ETQq1	1 0.78431 3.6	4 rgBT /Over
831	Nitrogen fertilization enhances growth and development of Cacopsylla chinensis by modifying production of ferulic acid and amino acids in pears. Journal of Pest Science, 0, , .	3.7	0
832	UV-B Radiation in the Acclimatization Mechanism of Psidium guajava in Sunlight. Horticulturae, 2023, 9, 1291.	2.8	0
833	Transcriptomic and metabolomic analyses reveal that ABA increases the salt tolerance of rice significantly correlated with jasmonic acid biosynthesis and flavonoid biosynthesis. Scientific Reports, 2023, 13, .	3.3	0
834	Metabolic profiling provides insights into the accumulation patterns of flavonoids and phenolic acids in different parts of Lactuca indica L Food Chemistry: X, 2023, 20, 101012.	4.3	0
835	Change in the composition of primary metabolites, minerals and secondary metabolites in natural <i>Ziziphus lotus</i> (L. Desf.) wild fruits under environmental variations. Plant Genetic Resources: Characterisation and Utilisation, 0, , 1-10.	0.8	0
836	Identification of HpMYB1 inducing anthocyanin accumulation in Hippeastrum Hybridum tepals by RNA-seq. BMC Plant Biology, 2023, 23, .	3.6	0
837	Physiological Effects of Microbial Biocontrol Agents in the Maize Phyllosphere. Plants, 2023, 12, 4082.	3.5	0
839	Mediterranean Shrub Species as a Source of Biomolecules against Neurodegenerative Diseases. Molecules, 2023, 28, 8133.	3.8	0
840	Biochar and vermicompost modulated Pb toxicity in summer savory (Satureja Hortensis L.) plants through inducing physiological and biochemical changes. Arabian Journal of Chemistry, 2024, 17, 105547.	4.9	2
841	Differential response of phenylpropanoid pathway as linked to hormonal change in two <i>Brassica napus</i> cultivars contrasting drought tolerance. Physiologia Plantarum, 2023, 175, .	5.2	0
842	Interactions of Polyphenolic Gallotannins with Amyloidogenic Polypeptides Associated with Alzheimer's Disease: From Molecular Insights to Physiological Significance. Current Alzheimer Research, 2023, 20, 603-617.	1.4	0
843	Low nitrogen status affects isoflavonoid production and flavonol decoration in Lotus corniculatus. Plant Stress, 2024, 11, 100336.	5.5	0

#	Article	IF	CITATIONS
844	Enrichment of Water Bodies with Phenolic Compounds Released from Betula and Pinus Pollen in Surface Water. Plants, 2024, 13, 99.	3.5	0
845	Changes in the Antioxidant Potential of Camellia sinensis Cultures under the Influence of Phenolic Precursors. Molecules, 2024, 29, 474.	3.8	0
846	Metabolome regulation and restoration mechanism of different varieties of rice (Oryza sativa L.) after lindane stress. Science of the Total Environment, 2024, 913, 169839.	8.0	0
847	Metabolic Response of Peach Fruit to Invasive Brown Marmorated Stink Bug (Halyomorpha halys) Tj ETQq1 1 0.7	84314 rgE 4.1	BT /Overlock
848	Integration of genome-wide association studies, metabolomics, and transcriptomics reveals phenolic acid- and flavonoid-associated genes and their regulatory elements under drought stress in rapeseed flowers. Frontiers in Plant Science, 0, 14, .	3.6	1
849	HPLC/DAD Analysis and Antioxidant Activity of Adlay Sprouts and Seeds. Separations, 2024, 11, 32.	2.4	1
850	Spray drying of coffee. , 2024, , 189-222.		0
851	Identification and potential application of key insecticidal metabolites in Tilia amurensis, a low-preference host of Hyphantria cunea. Pesticide Biochemistry and Physiology, 2024, 199, 105796.	3.6	1
852	Microalgae: A Potential Opportunity for Proteins and Bioactive Compounds Destined for Food and Health Industry. , 2024, , 581-597.		0
853	Secondary Metabolite Production In Plants: In Response To Biotic And Abiotic Stress Factors. , 2024, 45, 55-59.		0
854	Phenolic Compounds and Antioxidant Capacity Comparison of Wild-Type and Yellow-Leaf gl1 Mutant of Lagerstroemia indica. Plants, 2024, 13, 315.	3.5	0
855	Nematocidal Potential of Phenolic Acids: A Phytochemical Seed-Coating Approach to Soybean Cyst Nematode Management. Plants, 2024, 13, 319.	3.5	0
856	The coordinated interaction or regulation between floral pigments and volatile organic compounds. Horticultural Plant Journal, 2024, , .	5.0	0
857	Transformation process and phytotoxicity of sulfamethoxazole and N4-acetyl-sulfamethoxazole in rice. Science of the Total Environment, 2024, 918, 170857.	8.0	0
858	Relationships between Phenolic Compounds, Tannins, Lignin, Nitrogen, and Carbon in the Plants of Dwarf Shrub-Green Moss Spruce Forests of the Kola Peninsula, Russia. Russian Journal of Ecology, 2023, 54, 557-563.	0.9	0
859	Chlorine dioxide affects metabolism of harvested sweet corn. Postharvest Biology and Technology, 2024, 211, 112834.	6.0	0
860	Design of intelligent traffic light system based on genetic algorithm to optimize Elman neural network. , 2024, , .		0
861	Antioxidant activity of different cultivars of Chrysanthemum morifolium and quantitative analysis of phenolic compounds by HPLC/UV. Applied Biological Chemistry, 2024, 67, .	1.9	0

#	Article	IF	CITATIONS
862	Insect-plant-pathogens: toxicity, dependence, and defense dynamics. , 2024, , 385-411.		0
863	Enhancing polyphenol yield in Salvia viridis L. shoot culture through liquid medium optimization and light spectrum manipulation. Plant Cell, Tissue and Organ Culture, 2024, 156, .	2.3	0
864	Plant Phenolics: Role in Biotic Stress Alleviation and Plant Microbe Interactions. , 2024, , 95-119.		0
865	Plant Phenolics and Their Versatile Promising Role in the Management of Nematode Stress. , 2024, , 389-416.		0
866	Phenolic Compounds and Nanotechnology: Application During Biotic Stress Management in Agricultural Sector and Occupational Health Impacts. , 2024, , 503-549.		0
867	Plant Phenolics Role in Bacterial Disease Stress Management in Plants. , 2024, , 217-241.		0
868	Shading in fruit changes the polyphenol accumulation of pellicle by regulating activity of key enzymes and expression of their gene related polyphenol anabolism of Juglans sigillata Dode. Scientia Horticulturae, 2024, 329, 113017.	3.6	0
869	Exploring the Production of Secondary Metabolites from a Halophyte Tetragonia tetragonoides through Callus Culture. Horticulturae, 2024, 10, 244.	2.8	0
870	A decade of advances in the study of buckwheat for organic farming and agroecology (2013-2023). Frontiers in Plant Science, 0, 15, .	3.6	0
871	Advances in resources, biosynthesis pathway, bioavailability, bioactivity, and pharmacology of ochnaflavone. , 2024, 1, 47-60.		0
872	Assessment of Six Blackberry Cultivars Using a Combination of Metabolomics, Biological Activity, and Network Pharmacology Approaches. Antioxidants, 2024, 13, 319.	5.1	0
873	Microbial regulation of plant secondary metabolites: Impact, mechanisms and prospects. Microbiological Research, 2024, 283, 127688.	5.3	0
874	Natural Drugs Through Plant Cell Suspension Culture. , 2024, , 135-151.		0
875	Diagnosing arsenic-mediated biochemical responses in rice cultivars using Raman spectroscopy. Frontiers in Plant Science, 0, 15, .	3.6	0