

Plant phenolics: Recent advances on their biosynthesis,

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Natural products “ modifying metabolite pathways in plants. <i>Biotechnology Journal</i> , 2013, 8, 1159-1171.	1.8	70
2	Chicoric acid: chemistry, distribution, and production. <i>Frontiers in Chemistry</i> , 2013, 1, 40.	1.8	112
3	Flavonoids in plant rhizospheres: secretion, fate and their effects on biological communication. <i>Plant Biotechnology</i> , 2014, 31, 431-443.	0.5	61
4	Rapid Identification of Antioxidant Compounds of <i>Genista saharae</i> Coss. & Dur. by Combination of DPPH Scavenging Assay and HPTLC-MS. <i>Molecules</i> , 2014, 19, 4369-4379.	1.7	25
5	Effect of Combined Use of Benzothiadiazole and Methyl Jasmonate on Volatile Compounds of Monastrell Wine. <i>American Journal of Enology and Viticulture</i> , 2014, 65, 238-243.	0.9	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. <i>Frontiers in Plant Science</i> , 2014, 5, 603.	1.7	56
7	Biochemical defense mechanisms induced in winter oilseed rape seedlings with different susceptibility to infection with <i>Leptosphaeria maculans</i> . <i>Physiological and Molecular Plant Pathology</i> , 2014, 87, 42-50.	1.3	15
8	Characterization of Metabolite Profiles of Leaves of Bilberry (<i>Vaccinium myrtillus</i> L.) and Lingonberry (<i>Vaccinium vitis-idaea</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 12015-12026.	2.4	55
9	Bioefficacy of Hen Feather Keratin Hydrolysate and Compost on Vegetable Plant Growth. <i>Compost Science and Utilization</i> , 2014, 22, 179-187.	1.2	16
10	Allelopathic effect of fibre hemp (<i>Cannabis sativa</i> L.) on monocot and dicot plant species. <i>Industrial Crops and Products</i> , 2014, 56, 191-199.	2.5	26
11	Prospects for the use of plant cell cultures in food biotechnology. <i>Current Opinion in Biotechnology</i> , 2014, 26, 133-140.	3.3	92
12	An <i>O</i> -methyltransferase modifies accumulation of methylated anthocyanins in seedlings of tomato. <i>Plant Journal</i> , 2014, 80, 695-708.	2.8	37
13	Growth and metabolism of onion seedlings as affected by the application of humic substances, mycorrhizal inoculation and elevated CO ₂ . <i>Scientia Horticulturae</i> , 2014, 180, 227-235.	1.7	50
14	<i>Butia</i> spp. (Arecaceae): An overview. <i>Scientia Horticulturae</i> , 2014, 179, 122-131.	1.7	49
15	“Carbon gain vs. water saving, growth vs. defence”: Two dilemmas with soluble phenolics as a joker. <i>Plant Science</i> , 2014, 227, 21-27.	1.7	73
16	Amino acids “ A life between metabolism and signaling. <i>Plant Science</i> , 2014, 229, 225-237.	1.7	168
17	Identification and cloning of an NADPH-dependent hydroxycinnamoyl-CoA double bond reductase involved in dihydrochalcone formation in <i>Malus domestica</i> Borkh.. <i>Phytochemistry</i> , 2014, 107, 24-31.	1.4	31
18	Plant regeneration and biochemical accumulation of hydroxybenzoic and hydroxycinnamic acid derivatives in <i>Hypoxis hemerocallidea</i> organ and callus cultures. <i>Plant Science</i> , 2014, 227, 157-164.	1.7	36

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19	Modifications of the chemical structure of phenolics differentially affect physiological activities in pulvinar cells of <i>Mimosa pudica</i> L. I. Multimode effect on early membrane events. <i>Plant Physiology and Biochemistry</i> , 2014, 84, 240-250.	2.8	3
20	Antibacterial, Antiviral, and Antifungal Properties of Wines and Winery Byproducts in Relation to Their Flavonoid Content. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 6025-6042.	2.4	135
21	Advances in the biotechnological glycosylation of valuable flavonoids. <i>Biotechnology Advances</i> , 2014, 32, 1145-1156.	6.0	254
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23	Accumulation pattern of endogenous cytokinins and phenolics in different organs of 1-year-old cytokinin pre-incubated plants: implications for conservation. <i>Plant Biology</i> , 2015, 17, 1146-1155.	1.8	10
24	<sc>BAHD</sc> or <sc>SCPL</sc> acyltransferase? What a dilemma for acylation in the world of plant phenolic compounds. <i>New Phytologist</i> , 2015, 208, 695-707.	3.5	145
25	Finding Sensory Profilers Amongst Red Wine Composition: A Novel Nationwide Approach. <i>Ciencia E Tecnica Vitivinicola</i> , 2015, 30, 69-83.	0.3	2
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27	Carbon Fluxes between Primary Metabolism and Phenolic Pathway in Plant Tissues under Stress. <i>International Journal of Molecular Sciences</i> , 2015, 16, 26378-26394.	1.8	227
28	Epiphytes Modulate <i>Posidonia oceanica</i> Photosynthetic Production, Energetic Balance, Antioxidant Mechanisms, and Oxidative Damage. <i>Frontiers in Marine Science</i> , 2015, 2, .	1.2	24
29	Characterisation of betalain biosynthesis in <i>Parakeelya</i> flowers identifies the key biosynthetic gene DOD as belonging to an expanded LigB gene family that is conserved in betalain-producing species. <i>Frontiers in Plant Science</i> , 2015, 6, 499.	1.7	33
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31	Mechanisms and ecological consequences of plant defence induction and suppression in herbivore communities. <i>Annals of Botany</i> , 2015, 115, 1015-1051.	1.4	244
32	A physiological and behavioral mechanism for leaf-herbivore induced systemic root resistance. <i>Plant Physiology</i> , 2015, 169, pp.00759.2015.	2.3	44
33	Phenolic fingerprint of the seagrass <i>Posidonia oceanica</i> from four locations in the Mediterranean Sea: first evidence for the large predominance of chicoric acid. <i>Botanica Marina</i> , 2015, 58, .	0.6	21
34	Phytotoxic effects of phenolic compounds on <i>Calopogonium mucunoides</i> (Fabaceae) roots. <i>Australian Journal of Botany</i> , 2015, 63, 679.	0.3	13
35	The Effect of Coumarin Application on Early Growth and Some Physiological Parameters in Faba Bean (<i>Vicia faba</i> L.). <i>Journal of Plant Growth Regulation</i> , 2015, 34, 233-241.	2.8	30
36	Understanding pea resistance mechanisms in response to <i>Fusarium oxysporum</i> through proteomic analysis. <i>Phytochemistry</i> , 2015, 115, 44-58.	1.4	47

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37	Physiological role of phenolic biostimulants isolated from brown seaweed <i>Ecklonia maxima</i> on plant growth and development. <i>Planta</i> , 2015, 241, 1313-1324.	1.6	51
38	Compartmentalization, Resource Allocation, and Wood Quality. <i>Current Forestry Reports</i> , 2015, 1, 8-15.	3.4	17
39	Coumarin pretreatment alleviates salinity stress in wheat seedlings. <i>Plant Physiology and Biochemistry</i> , 2015, 88, 27-35.	2.8	54
40	Weather Variability Influences Color and Phenolic Content of Pigmented Baby Leaf Lettuces throughout the Season. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 1673-1681.	2.4	62
41	Role of HXXXD-motif/BAHD acyltransferases in the biosynthesis of extracellular lipids. <i>Plant Cell Reports</i> , 2015, 34, 587-601.	2.8	72
42	Defensive weapons and defense signals in plants: Some metabolites serve both roles. <i>BioEssays</i> , 2015, 37, 167-174.	1.2	104
43	Transcriptional control of flavonoid biosynthesis by MYB-bHLH-WDR complexes. <i>Trends in Plant Science</i> , 2015, 20, 176-185.	4.3	1,336
44	Regulation of Resveratrol Production in <i>Vitis amurensis</i> Cell Cultures by Calcium-Dependent Protein Kinases. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 1460-1476.	1.4	25
45	Electrochemistry-based chemotaxonomy in plants using the voltammetry of microparticles methodology. <i>New Journal of Chemistry</i> , 2015, 39, 7421-7428.	1.4	43
46	Phytotoxicity of <i>Euphorbia helioscopia</i> L. on <i>Triticum aestivum</i> L. and <i>Pisum sativum</i> L.. <i>Annals of Agricultural Sciences</i> , 2015, 60, 141-151.	1.1	12
47	Phenolic composition, antioxidant capacity, energy content and gastrointestinal stability of Croatian wild edible plants. <i>European Food Research and Technology</i> , 2015, 241, 573-585.	1.6	14
48	In vitro culture of <i>Achillea millefolium</i> L.: quality and intensity of light on growth and production of volatiles. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 122, 299-308.	1.2	88
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52	Developmental and metabolic plasticity of white-skinned grape berries in response to <i>Botrytis cinerea</i> during noble rot. <i>Plant Physiology</i> , 2015, 169, pp.00852.2015.	2.3	84
54	The effect of anthocyanin-rich bilberry extract on the antioxidant system in roots of barley (<i>Hordeum</i>)	1.8	1
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56	Effect of <i>Trichoderma asperellum</i> applications and mineral fertilization on growth promotion and the content of phenolic compounds and flavonoids in onions. <i>Scientia Horticulturae</i> , 2015, 195, 8-16.	1.7	37
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58	Apigenin as an anti-quinolone-resistance antibiotic. <i>International Journal of Antimicrobial Agents</i> , 2015, 46, 666-673.	1.1	28
59	Anomeric selectivity and influenza A virus inhibition study on methoxylated analogues of Pentagalloylglucose. <i>Carbohydrate Research</i> , 2015, 402, 152-157.	1.1	5
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72	Biosynthesis and Metabolic Fate of Phenylalanine in Conifers. <i>Frontiers in Plant Science</i> , 2016, 7, 1030.	1.7	98
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75	Genetics of Pigment Biosynthesis and Degradation. Compendium of Plant Genomes, 2016, , 149-161.	0.3	6
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77	Grapevine adaptations to water stress: new perspectives about soil/plant interactions. Theoretical and Experimental Plant Physiology, 2016, 28, 53-66.	1.1	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.	1.2	350
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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.	2.5	54
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85	Comparative analysis of some biochemical parameters of argan pulp morphotypes (Argania spinosa (L)) Tj ETQq1 1 0.784314 rgBT /Ove Physiology and Molecular Biology of Plants, 2016, 22, 361-370.	1.4	9
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93	Comparison of bioactive potential of cranberry fruit and fruit-based products versus leaves. <i>Journal of Functional Foods</i> , 2016, 22, 232-242.	1.6	44
94	Effects of salicylic acid on growth and accumulation of phenolics in <i>Zea mays</i> L. under drought stress. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2016, 66, 325-332.	0.3	12
95	Seasonal variation and gender pattern of phenolic and flavonoid contents in <i>Pistacia chinensis</i> Bunge inflorescences and leaves. <i>Journal of Plant Physiology</i> , 2016, 191, 36-44.	1.6	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. <i>Waste Management</i> , 2016, 48, 457-464.	3.7	95
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98	Modifications of the chemical structure of phenolics differentially affect physiological activities in pulvinar cells of <i>Mimosa pudica</i> L. II. Influence of various molecular properties in relation to membrane transport. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6910-6922.	2.7	7
99	Plant polyphenol content, soil fertilization and agricultural management: a review. <i>European Food Research and Technology</i> , 2017, 243, 1107-1115.	1.6	121
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101	Epimetabolites: discovering metabolism beyond building and burning. <i>Current Opinion in Chemical Biology</i> , 2017, 36, 70-76.	2.8	45
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105	Impact of bioaccessibility and bioavailability of phenolic compounds in biological systems upon the antioxidant activity of the ethanolic extract of <i>Triplaris gardneriana</i> seeds. <i>Biomedicine and Pharmacotherapy</i> , 2017, 88, 999-1007.	2.5	29
106	UV-vis spectroscopy and colorimetric models for detecting anthocyanin-metal complexes in plants: An overview of in vitro and in vivo techniques. <i>Journal of Plant Physiology</i> , 2017, 212, 13-28.	1.6	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. <i>Journal of Chemical Ecology</i> , 2017, 43, 506-518.	0.9	7
109	Improved ganoderic acids production in <i>Ganoderma lucidum</i> by wood decaying components. <i>Scientific Reports</i> , 2017, 7, 46623.	1.6	21

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110	Expression of the R2R3 MYB transcription factors in <i>Vitis amurensis</i> Rupr. plants and cell cultures with different resveratrol content. <i>Russian Journal of Genetics</i> , 2017, 53, 465-471.	0.2	12
111	Plant metabolism as studied by NMR spectroscopy. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2017, 102-103, 61-97.	3.9	85
112	Synergistic Effects of Arginine and Methyl Salicylate on Alleviating Postharvest Disease Caused by <i>Botrytis cinerea</i> in Tomato Fruit. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 4890-4896.	2.4	51
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114	Metabolomics analysis reveals the metabolic and functional roles of flavonoids in light-sensitive tea leaves. <i>BMC Plant Biology</i> , 2017, 17, 64.	1.6	93
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116	Anthocyanins. , 2017, , 355-363.		8
117	Genetic diversity and metabolic profile of <i>Salvia officinalis</i> populations: implications for advanced breeding strategies. <i>Planta</i> , 2017, 246, 201-215.	1.6	29
118	Physiological, Metabolic, and Molecular Responses of Plants to Abiotic Stress. , 2017, , 1-35.		18
119	Water-deficit and fungal infection can differentially affect the production of different classes of defense compounds in two host pines of mountain pine beetle. <i>Tree Physiology</i> , 2017, 37, 338-350.	1.4	35
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128	Solid state fermentation of fig (<i>Ficus carica</i> L.) by-products using fungi to obtain phenolic compounds with antioxidant activity and qualitative evaluation of phenolics obtained. <i>Process Biochemistry</i> , 2017, 62, 16-23.	1.8	54

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129	Cycloheximide-induced phenolic burst in roots of <i>Pisum sativum</i> L.. <i>Applied Biochemistry and Microbiology</i> , 2017, 53, 568-572.	0.3	5
130	Medicinal Plants: Influence of Environmental Factors on the Content of Secondary Metabolites. , 2017, , 259-277.		42
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136	Drought-related secondary metabolites of barley (<i>Hordeum vulgare</i> L.) leaves and their metabolomic quantitative trait loci. <i>Plant Journal</i> , 2017, 89, 898-913.	2.8	83
137	A Maize Gene Regulatory Network for Phenolic Metabolism. <i>Molecular Plant</i> , 2017, 10, 498-515.	3.9	74
138	Growth, hydrolases and ultrastructure of <i>Fusarium oxysporum</i> as affected by phenolic rich extracts from several xerophytic plants. <i>Pesticide Biochemistry and Physiology</i> , 2017, 141, 57-64.	1.6	44
139	Reuse potential of vegetable wastes (broccoli, green bean and tomato) for the recovery of antioxidant phenolic acids and flavonoids. <i>International Journal of Food Science and Technology</i> , 2017, 52, 98-107.	1.3	46
141	A Comparison of Phenylpropanoid Pathway Gene Families in Common Bean. Focus on P450 and C4H Genes. <i>Compendium of Plant Genomes</i> , 2017, , 219-261.	0.3	7
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143	Allelopathy and the Role of Allelochemicals in Plant Defence. <i>Advances in Botanical Research</i> , 2017, , 19-54.	0.5	128
144	Phenolic profiles in apple leaves and the efficacy of selected phenols against fire blight (<i>Erwinia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 18	0.8	9
145	Effect of Drought and Salinity on Volatile Organic Compounds and Other Secondary Metabolites of <i>Citrus aurantium</i> Leaves. <i>Natural Product Communications</i> , 2017, 12, 1934578X1701200.	0.2	3
146	The effects of plant density and irrigation on phenolic content in cauliflower. <i>Zahradnictvi (Prague)</i> , Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 18	0.3	8
147	Phenolics in Foods: Extraction, Analysis and Measurements. , 0, , .		21

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155	Phenolic Composition of Leaf extracts of <i>Ailanthus altissima</i> (Simaroubaceae) with Antibacterial and Antifungal Activity Equivalent to Standard Antibiotics. <i>Natural Product Communications</i> , 2017, 12, 1934578X1701201.	0.2	10
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414	Metabolomics analysis reveals potential mechanisms of phenolic accumulation in lettuce (<i>Lactuca</i>) Tj ETQq1 1 0.784314 rgBT/Overlock	2.8	27
415	Endophyte inoculation enhances <i>Ulmus minor</i> resistance to Dutch elm disease. <i>Fungal Ecology</i> , 2021, 50, 101024.	0.7	31
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563	Kháºo sÃ¡t kháº nÃ¡ng khÃ¡ng oxy hÃ¡a, á»©c cháº Í±-glucosidase vÃ gÃy Äá»™c táº bãº ung th vÃº (MCF-7), ung th cá» táº cá»Sa cao cháºt tá»« cÃnh hoa vÃºn thá»(Tagetes erecta L.). <i>Tap Chi Khoa Hoc = Journal of Science</i> , 2020, 56, 128.	0.1	0
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