Mary H Grace

List of Publications by Year
in descending order

97 papers	4,111 citations	109137 35 h-index	123241 61 g-index
99 all docs	99 docs citations	99 times ranked	5811 citing authors

#	Article	IF	Citations
1	Hypoglycemic activity of a novel anthocyanin-rich formulation from lowbush blueberry, Vaccinium angustifolium Aiton. Phytomedicine, 2009, 16, 406-415.	2.3	203
2	Unraveling Anthocyanin Bioavailability for Human Health. Annual Review of Food Science and Technology, 2016, 7, 375-393.	5.1	199
3	In vitro and in vivo anti-diabetic effects of anthocyanins from Maqui Berry (Aristotelia chilensis). Food Chemistry, 2012, 131, 387-396.	4.2	181
4	Neuroprotective effects of anthocyanin- and proanthocyanidin-rich extracts in cellular models of Parkinson×3s disease. Brain Research, 2014, 1555, 60-77.	1.1	167
5	Effects of a high fat meal matrix and protein complexation on the bioaccessibility of blueberry anthocyanins using the TNO gastrointestinal model (TIM-1). Food Chemistry, 2014, 142, 349-357.	4.2	146
6	Phytochemical changes in phenolics, anthocyanins, ascorbic acid, and carotenoids associated with sweetpotato storage and impacts on bioactive properties. Food Chemistry, 2014, 145, 717-724.	4.2	139
7	Inhibitory Effects of Wild Blueberry Anthocyanins and Other Flavonoids on Biomarkers of Acute and Chronic Inflammation in Vitro. Journal of Agricultural and Food Chemistry, 2014, 62, 7022-7028.	2.4	132
8	Black Currant Anthocyanins Attenuate Weight Gain and Improve Glucose Metabolism in Diet-Induced Obese Mice with Intact, but Not Disrupted, Gut Microbiome. Journal of Agricultural and Food Chemistry, 2015, 63, 6172-6180.	2.4	132
9	Comparative Analysis of Phenolic Content and Profile, Antioxidant Capacity, and Anti-inflammatory Bioactivity in Wild Alaskan and Commercial Vaccinium Berries. Journal of Agricultural and Food Chemistry, 2014, 62, 4007-4017.	2.4	123
10	Polyphenolics in Rhizophora mangle L. leaves and their changes during leaf development and senescence. Trees - Structure and Function, 2004, 18, 518.	0.9	117
11	Metabolic Effects of Berries with Structurally Diverse Anthocyanins. International Journal of Molecular Sciences, 2017, 18, 422.	1.8	96
12	Quinoa seeds leach phytoecdysteroids and other compounds with anti-diabetic properties. Food Chemistry, 2014, 163, 178-185.	4.2	92
13	Comparative phytochemical characterization of three Rhodiola species. Phytochemistry, 2006, 67, 2380-2391.	1.4	89
14	Efficient Quantification of the Health-Relevant Anthocyanin and Phenolic Acid Profiles in Commercial Cultivars and Breeding Selections of Blueberries (Vaccinium spp.). Journal of Agricultural and Food Chemistry, 2013, 61, 4806-4815.	2.4	88
15	A polyphenol-rich fraction obtained from table grapes decreases adiposity, insulin resistance and markers of inflammation and impacts gut microbiota in high-fat-fed mice. Journal of Nutritional Biochemistry, 2016, 31, 150-165.	1.9	87
16	Simultaneous LC-MS quantification of anthocyanins and non-anthocyanin phenolics from blueberries with widely divergent profiles and biological activities. Food Chemistry, 2019, 277, 336-346.	4.2	85
17	Anthocyanin profiling of wild maqui berries (Aristotelia chilensis [Mol.] Stuntz) from different geographical regions in Chile. Journal of the Science of Food and Agriculture, 2014, 94, 2639-2648.	1.7	82
18	Wild blueberry polyphenol-protein food ingredients produced by three drying methods: Comparative physico-chemical properties, phytochemical content, and stability during storage. Food Chemistry, 2017, 235, 76-85.	4.2	80

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19	Chemical composition, antioxidant and anti-inflammatory properties of pistachio hull extracts. Food Chemistry, 2016, 210, 85-95.	4.2	75
20	Efficient preparative isolation and identification of walnut bioactive components using high-speed counter-current chromatography and LC-ESI-IT-TOF-MS. Food Chemistry, 2014, 158, 229-238.	4.2	73
21	Phlorotannins from Alaskan Seaweed Inhibit Carbolytic Enzyme Activity. Marine Drugs, 2014, 12, 5277-5294.	2.2	70
22	Anti-inflammatory and wound healing properties of polyphenolic extracts from strawberry and blackberry fruits. Food Research International, 2019, 121, 453-462.	2.9	70
23	Antiplasmodial activity of aporphine alkaloids and sesquiterpene lactones from Liriodendron tulipifera L.. Journal of Ethnopharmacology, 2011, 133, 26-30.	2.0	66
24	Comparison of Healthâ€Relevant Flavonoids in Commonly Consumed Cranberry Products. Journal of Food Science, 2012, 77, H176-83.	1.5	66
25	Efficient sorption of polyphenols to soybean flour enables natural fortification of foods. Food Chemistry, 2012, 131, 1193-1200.	4.2	65
26	Enhanced stability of berry pomace polyphenols delivered in protein-polyphenol aggregate particles to an in vitro gastrointestinal digestion model. Food Chemistry, 2020, 331, 127279.	4.2	62
27	Stable Binding of Alternative Protein-Enriched Food Matrices with Concentrated Cranberry Bioflavonoids for Functional Food Applications. Journal of Agricultural and Food Chemistry, 2013, 61, 6856-6864.	2.4	58
28	Chemical composition and biological activity of the volatiles of Anthemis melampodina and Pluchea dioscoridis. Phytotherapy Research, 2002, 16, 183-185.	2.8	57
29	Novel Strategy To Create Hypoallergenic Peanut Proteinâ€“Polyphenol Edible Matrices for Oral Immunotherapy. Journal of Agricultural and Food Chemistry, 2014, 62, 7010-7021.	2.4	55
30	Chemopreventive Potential of Flavonoid Extracts from Plantation-Bred and Wild Aronia melanocarpa (Black Chokeberry) Fruits. Journal of Food Science, 2006, 71, C480-C488.	1.5	51
31	Complementary Approaches To Gauge the Bioavailability and Distribution of Ingested Berry Polyphenolics. Journal of Agricultural and Food Chemistry, 2012, 60, 5763-5771.	2.4	51
32	Quantitative comparison of phytochemical profile, antioxidant, and anti-inflammatory properties of blackberry fruits adapted to Argentina. Journal of Food Composition and Analysis, 2016, 47, 82-91.	1.9	50
33	In vitro antiplasmodial activity of indole alkaloids from the stem bark of Geissospermum vellosii. Journal of Ethnopharmacology, 2012, 139, 471-477.	2.0	47
34	Isolation and identification of antiplasmodial N-alkylamides from Spilanthes acmella flowers using centrifugal partition chromatography and ESI-IT-TOF-MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 1886-1892.	1.2	42
35	In vitro production of metabolism-enhancing phytoecdysteroids from Ajuga turkestanica. Plant Cell, Tissue and Organ Culture, 2008, 93, 73-83.	1.2	41
36	Alaskan seaweeds lower inflammation in RAW 264.7 macrophages and decrease lipid accumulation in 3T3-L1 adipocytes. Journal of Functional Foods, 2015, 15, 396-407.	1.6	35

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37	Antiparasitic compounds from Cornus florida L. with activities against Plasmodium falciparum and Leishmania tarentolae. Journal of Ethnopharmacology, 2012, 142, 456-461.	2.0	33
38	Increased Plasma Levels of Gut-Derived Phenolics Linked to Walking and Running Following Two Weeks of Flavonoid Supplementation. Nutrients, 2018, 10, 1718.	1.7	33
39	Bioactive polyphenols from muscadine grape and blackcurrant stably concentrated onto proteinâ€rich matrices for topical applications. International Journal of Cosmetic Science, 2013, 35, 394-401.	1.2	31
40	Characterization of Phenolic Compounds and Antioxidant and Anti-inflammatory Activities from Mamuyo (Styrax ramirezii Greenm.) Fruit. Journal of Agricultural and Food Chemistry, 2015, 63, 10459-10465.	2.4	27
41	Alaskan Berry Extracts Promote Dermal Wound Repair Through Modulation of Bioenergetics and Integrin Signaling. Frontiers in Pharmacology, 2019, 10, 1058.	1.6	27
42	Structures, biogenetic relationships, and cytotoxicity of pimarane-derived diterpenes from Petalostigma pubescens. Phytochemistry, 2006, 67, 1708-1715.	1.4	26
43	In vitro lipolytic, antioxidant and anti-inflammatory activities of roasted pistachio kernel and skin constituents. Food and Function, 2016, 7, 4285-4298.	2.1	26
44	LC-MS characterization of bioactive metabolites from two Yemeni Aloe spp. with antioxidant and antidiabetic properties. Arabian Journal of Chemistry, 2020, 13, 5040-5049.	2.3	26
45	Cytotoxic Effects of Ellagitannins Isolated from Walnuts in Human Cancer Cells. Nutrition and Cancer, 2014, 66, 1304-1314.	0.9	25
46	Leishmanicidal activity of a daucane sesquiterpene isolated fromEryngium foetidum. Pharmaceutical Biology, 2014, 52, 398-401.	1.3	25
47	Diversity in Metabolites and Fruit Quality Traits in Blueberry Enables Ploidy and Species Differentiation and Establishes a Strategy for Future Genetic Studies. Frontiers in Plant Science, 2020, 11, 370.	1.7	24
48	Novel valueâ€added uses for sweet potato juice and flour in polyphenolâ€•and proteinâ€enriched functional food ingredients. Food Science and Nutrition, 2015, 3, 415-424.	1.5	22
49	Polyphenols from Cornulaca monacantha. Phytochemistry, 2001, 58, 611-613.	1.4	21
50	Influence of Ingesting a Flavonoid-Rich Supplement on the Metabolome and Concentration of Urine Phenolics in Overweight/Obese Women. Journal of Proteome Research, 2017, 16, 2924-2935.	1.8	21
51	Phenolic content, anti-inflammatory properties, and dermal wound repair properties of industrially processed and non-processed acai from the Brazilian Amazon. Food and Function, 2020, 11, 4903-4914.	2.1	21
52	Bioactive Capacity, Sensory Properties, and Nutritional Analysis of a Shelf Stable Protein-rich Functional Ingredient with Concentrated Fruit and Vegetable Phytoactives. Plant Foods for Human Nutrition, 2014, 69, 372-378.	1.4	20
53	Impact of a new postharvest disinfection method based on peracetic acid fogging on the phenolic profile of strawberries. Postharvest Biology and Technology, 2016, 117, 197-205.	2.9	20
54	Inter- and intra-seasonal changes in anthocyanin accumulation and global metabolite profiling of six blueberry genotypes. Journal of Food Composition and Analysis, 2017, 59, 105-110.	1.9	19

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55	Whey and soy proteins as wall materials for spray drying rosemary: Effects on polyphenol composition, antioxidant activity, bioaccessibility after in vitro gastrointestinal digestion and stability during storage. LWT - Food Science and Technology, 2021, 149, 111901.	2.5	19
56	Changes due to high oxygen and high carbon dioxide atmospheres on the general quality and the polyphenolic profile of strawberries. Postharvest Biology and Technology, 2019, 148, 49-57.	2.9	18
57	Neo-clerodane diterpenes from Ajuga turkestanica. Phytochemistry Letters, 2008, 1, 81-84.	0.6	17
58	Polyphenols isolated from Acacia mearnsii bark with anti-inflammatory and carbolytic enzyme inhibitory activities. Chinese Journal of Natural Medicines, 2017, 15, 816-824.	0.7	16
59	Antiplasmodial Activity of the Ethnobotanical Plant Cassia fistula. Natural Product Communications, 2012, 7, 1934578X1200701.	0.2	15
60	Isolation and characterization of flavonols from blackcurrant by highâ€performance counterâ€current chromatography and electrospray ionization tandem mass spectrometry. Journal of Separation Science, 2012, 35, 1682-1689.	1.3	15
61	Phytochemical Characterization and Anti-inflammatory Properties of Acacia mearnsii Leaves. Natural Product Communications, 2016, 11, 1934578X1601100.	0.2	15
62	Blueberry Extracts as a Novel Approach to Prevent Ozone-Induced Cutaneous Inflammasome Activation. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-15.	1.9	15
63	One-step isolation of carnosic acid and carnosol from rosemary by centrifugal partition chromatography. Journal of Separation Science, 2017, 40, 1057-1062.	1.3	14
64	Neuroprotective mechanisms of red clover and soy isoflavones in Parkinson's disease models. Food and Function, 2021, 12, 11987-12007.	2.1	14
65	Phytochemical characterization of an adaptogenic preparation from Rhodiola heterodonta. Natural Product Communications, 2009, 4, 1053-8.	0.2	14
66	Spray-dried and freeze-dried protein-spinach particles; effect of drying technique and protein type on the bioaccessibility of carotenoids, chlorophylls, and phenolics. Food Chemistry, 2022, 388, 133017.	4.2	14
67	Antiplasmodial activity of cucurbitacin glycosides from Datisca glomerata (C. Presl) Baill. Phytochemistry, 2013, 87, 78-85.	1.4	13
68	Concentrating Immunoprotective Phytoactive Compounds from Fruits and Vegetables into Shelf-stable Protein-rich Ingredients. Plant Foods for Human Nutrition, 2014, 69, 317-324.	1.4	12
69	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi mathvariant="bold-italic">Î±</mml:mi></mml:mrow></mml:math>-Amylase and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M2"><mml:mrow><mml:mi mathvariant="bold-italic">Î±</mml:mi></mml:mrow></mml:math>-Glucosidase Inhibitory Activities of Phenolic Extracts from Eucalyptus grandis Ã— E. urophylla Bark. Journal of Chemistry, 2017, 2017, 1-7.	0.9	12
70	Flavonoid glycosides and pharmacological activity of Amphilophium paniculatum. Pharmacognosy Research (discontinued), 2013, 5, 17.	0.3	11
71	Novel Spray Dried Algae-Rosemary Particles Attenuate Pollution-Induced Skin Damage. Molecules, 2021, 26, 3781.	1.7	11
72	Antiplasmodial activity of the ethnobotanical plant Cassia fistula. Natural Product Communications, 2012, 7, 1263-6.	0.2	11

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73	Boosting the Bioaccessibility of Dietary Bioactives by Delivery as Proteinâ€“Polyphenol Aggregate Particles. Journal of Agricultural and Food Chemistry, 2022, 70, 13017-13026.	2.4	11
74	A new eudesmanolide from Crataegus flava fruits. FÃ¬toterapÃ¬Ã¢, 2001, 72, 756-759.	1.1	10
75	ent-Beyerane diterpenoids from the heartwood of Excoecaria parvifolia. Phytochemistry, 2007, 68, 546-553.	1.4	10
76	Changes in the bioactive properties of strawberries caused by the storage in oxygenâ€•and carbon dioxideâ€enriched atmospheres. Food Science and Nutrition, 2019, 7, 2527-2536.	1.5	9
77	Characteristic flavonoids from Acacia burkittii and A. acuminata heartwoods and their differential cytotoxicity to normal and leukemia cells. Natural Product Communications, 2009, 4, 69-76.	0.2	9
78	Isolation and structural elucidation of indole alkaloids from Geissospermum vellosii by mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 885-886, 83-89.	1.2	8
79	Antiplasmodial and cytotoxic activities of drimane sesquiterpenes from Canella winterana. Natural Product Communications, 2010, 5, 1869-72.	0.2	8
80	Tracking deposition of a ¹⁴C-radiolabeled kudzu hairy root-derived isoflavone-rich fraction into bone. Experimental Biology and Medicine, 2010, 235, 1224-1235.	1.1	7
81	Novel strategies for capturing health-protective mango phytochemicals in shelf stable food matrices. International Journal of Food Sciences and Nutrition, 2015, 66, 175-185.	1.3	7
82	In vitro mineral nutrition of Curcuma longa L. affects production of volatile compounds in rhizomes after transfer to the greenhouse. BMC Plant Biology, 2018, 18, 122.	1.6	7
83	Hypoglycaemic, insulin releasing, and hepatoprotective effect of the aqueous extract of Aloe perryi Baker resin (Socotran Aloe) in streptozotocin-induced diabetic rats. Journal of Taibah University for Science, 2020, 14, 1671-1685.	1.1	7
84	Phytochemical Characterization of an Adaptogenic Preparation from Rhodiola heterodonta. Natural Product Communications, 2009, 4, 1934578X0900400.	0.2	6
85	The same anthocyanins served four different ways: Insights into anthocyanin structure-function relationships from the wintergreen orchid, Tipularia discolor. Plant Science, 2021, 303, 110793.	1.7	6
86	Alaskan Bog Blueberry (Vaccinium uliginosum) Extract as an Innovative Topical Approach to Prevent UV-Induced Skin Damage. Cosmetics, 2021, 8, 112.	1.5	5
87	Antiplasmodial and Cytotoxic Activities of Drimane Sesquiterpenes from Canella winterana. Natural Product Communications, 2010, 5, 1934578X1000501.	0.2	4
88	Efficacy of Pecan Husk and Shell Phenolic Extracts Against Phytophthora Blight in Chile Pepper. Plant Health Progress, 0, , PHP-02-21-0024-.	0.8	4
89	Phytoecdysteroids Do Not Have Anabolic Effects in Skeletal Muscle in Sedentary Aging Mice. International Journal of Environmental Research and Public Health, 2021, 18, 370.	1.2	4
90	Photosynthetic Profiles of Green, Purple, and Spotted-Leaf Morphotypes of Tipularia discolor (Orchidaceae). Southeastern Naturalist, 2019, 18, 641.	0.2	4

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91	In Vitro Evaluation of a Novel Synthetic Bilirubin Analog as an Antioxidant and Cytoprotective Agent for Pancreatic Islet Transplantation. Cell Transplantation, 2020, 29, 096368972090641.	1.2	3
92	Characteristic Flavonoids from Acacia burkittii and A. Acuminata Heartwoods and their Differential Cytotoxicit to Normal and Leukemia Cells. Natural Product Communications, 2009, 4, 1934578X0900400.	0.2	2
93	Pendulaosides A and B. Two acylated triterpenoid saponins from Harpullia pendula seed extract. Phytochemistry Letters, 2017, 21, 278-282.	0.6	2
94	Anthelmintic Activity of Punicalagin from nogeissus Leiocarpus. Universal Journal of Plant Science, 2015, 3, 67-71.	0.3	2
95	Two Triterpenoid Saponins with alpha-glucosidase Inhibitory Activity from Harpullia pendula Seed Extract. Pharmacognosy Journal, 2019, 11, 1386-1390.	0.3	1
96	Acute phytoecdysteroid treatment increases PI3kâ€Akt signaling in aged mouse skeletal muscle. FASEB Journal, 2013, 27, 713.6.	0.2	0
97	Investigation of Secondary Metabolites and Cytotoxicity of Jacquemontia pentantha (Jacq.). Pharmacognosy Journal, 2019, 11, 718-723.	0.3	0