

# Mary H Grace

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92  
papers

3,071  
citations

33  
h-index

53  
g-index

99  
ext. papers

3,522  
ext. citations

4.4  
avg, IF

5.27  
L-index

#	Paper	IF	Citations
92	Hypoglycemic activity of a novel anthocyanin-rich formulation from lowbush blueberry, <i>Vaccinium angustifolium</i> Aiton. <i>Phytomedicine</i> , <b>2009</b> , 16, 406-15	6.5	161
91	and Anti-Diabetic Effects of Anthocyanins from Maqui Berry (). <i>Food Chemistry</i> , <b>2012</b> , 131, 387-396	8.5	146
90	Unraveling Anthocyanin Bioavailability for Human Health. <i>Annual Review of Food Science and Technology</i> , <b>2016</b> , 7, 375-93	14.7	130
89	Neuroprotective effects of anthocyanin- and proanthocyanidin-rich extracts in cellular models of Parkinson's disease. <i>Brain Research</i> , <b>2014</b> , 1555, 60-77	3.7	125
88	Effects of a high fat meal matrix and protein complexation on the bioaccessibility of blueberry anthocyanins using the TNO gastrointestinal model (TIM-1). <i>Food Chemistry</i> , <b>2014</b> , 142, 349-57	8.5	115
87	Inhibitory effects of wild blueberry anthocyanins and other flavonoids on biomarkers of acute and chronic inflammation in vitro. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 7022-8	5.7	114
86	Black Currant Anthocyanins Attenuate Weight Gain and Improve Glucose Metabolism in Diet-Induced Obese Mice with Intact, but Not Disrupted, Gut Microbiome. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 6172-80	5.7	101
85	Phytochemical changes in phenolics, anthocyanins, ascorbic acid, and carotenoids associated with sweetpotato storage and impacts on bioactive properties. <i>Food Chemistry</i> , <b>2014</b> , 145, 717-24	8.5	101
84	Polyphenolics in <i>Rhizophora mangle</i> L. leaves and their changes during leaf development and senescence. <i>Trees - Structure and Function</i> , <b>2004</b> , 18, 518	2.6	98
83	Comparative analysis of phenolic content and profile, antioxidant capacity, and anti-inflammatory bioactivity in wild Alaskan and commercial <i>Vaccinium</i> berries. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 4007-17	5.7	92
82	Comparative phytochemical characterization of three <i>Rhodiola</i> species. <i>Phytochemistry</i> , <b>2006</b> , 67, 2380-91	4.1	83
81	Metabolic Effects of Berries with Structurally Diverse Anthocyanins. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	76
80	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. <i>Journal of Nutritional Biochemistry</i> , <b>2016</b> , 31, 150-65	6.3	72
79	Efficient quantification of the health-relevant anthocyanin and phenolic acid profiles in commercial cultivars and breeding selections of blueberries ( <i>Vaccinium</i> spp.). <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 4806-15	5.7	71
78	Anthocyanin profiling of wild maqui berries ( <i>Aristotelia chilensis</i> [Mol.] Stuntz) from different geographical regions in Chile. <i>Journal of the Science of Food and Agriculture</i> , <b>2014</b> , 94, 2639-48	4.3	67
77	Quinoa seeds leach phytoecdysteroids and other compounds with anti-diabetic properties. <i>Food Chemistry</i> , <b>2014</b> , 163, 178-85	8.5	63
76	Efficient preparative isolation and identification of walnut bioactive components using high-speed counter-current chromatography and LC-ESI-IT-TOF-MS. <i>Food Chemistry</i> , <b>2014</b> , 158, 229-38	8.5	61

75	Phlorotannins from Alaskan seaweed inhibit carbolytic enzyme activity. <i>Marine Drugs</i> , <b>2014</b> , 12, 5277-946		59
74	Chemical composition, antioxidant and anti-inflammatory properties of pistachio hull extracts. <i>Food Chemistry</i> , <b>2016</b> , 210, 85-95	8.5	58
73	Comparison of health-relevant flavonoids in commonly consumed cranberry products. <i>Journal of Food Science</i> , <b>2012</b> , 77, H176-83	3.4	56
72	Efficient sorption of polyphenols to soybean flour enables natural fortification of foods. <i>Food Chemistry</i> , <b>2012</b> , 131, 1193-1200	8.5	55
71	Wild blueberry polyphenol-protein food ingredients produced by three drying methods: Comparative physico-chemical properties, phytochemical content, and stability during storage. <i>Food Chemistry</i> , <b>2017</b> , 235, 76-85	8.5	52
70	Chemical composition and biological activity of the volatiles of <i>Anthemis melampodina</i> and <i>Pluchea dioscoridis</i> . <i>Phytotherapy Research</i> , <b>2002</b> , 16, 183-5	6.7	51
69	Antiplasmodial activity of aporphine alkaloids and sesquiterpene lactones from <i>Liriodendron tulipifera</i> L. <i>Journal of Ethnopharmacology</i> , <b>2011</b> , 133, 26-30	5	49
68	Anti-inflammatory and wound healing properties of polyphenolic extracts from strawberry and blackberry fruits. <i>Food Research International</i> , <b>2019</b> , 121, 453-462	7	47
67	Stable binding of alternative protein-enriched food matrices with concentrated cranberry bioflavonoids for functional food applications. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 6856-64	5.7	45
66	Chemopreventive Potential of Flavonoid Extracts from Plantation-Bred and Wild <i>Aronia melanocarpa</i> (Black Chokeberry) Fruits. <i>Journal of Food Science</i> , <b>2006</b> , 71, C480-C488	3.4	45
65	Simultaneous LC-MS quantification of anthocyanins and non-anthocyanin phenolics from blueberries with widely divergent profiles and biological activities. <i>Food Chemistry</i> , <b>2019</b> , 277, 336-346	8.5	45
64	Novel strategy to create hypoallergenic peanut protein-polyphenol edible matrices for oral immunotherapy. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 7010-21	5.7	43
63	Complementary approaches to gauge the bioavailability and distribution of ingested berry polyphenolics. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 5763-71	5.7	41
62	Quantitative comparison of phytochemical profile, antioxidant, and anti-inflammatory properties of blackberry fruits adapted to Argentina. <i>Journal of Food Composition and Analysis</i> , <b>2016</b> , 47, 82-91	4.1	39
61	In vitro production of metabolism-enhancing phytoecdysteroids from <i>Ajuga turkestanica</i> . <i>Plant Cell, Tissue and Organ Culture</i> , <b>2008</b> , 93, 73-83	2.7	39
60	In vitro antiplasmodial activity of indole alkaloids from the stem bark of <i>Geissospermum vellosii</i> . <i>Journal of Ethnopharmacology</i> , <b>2012</b> , 139, 471-7	5	36
59	Isolation and identification of antiplasmodial N-alkylamides from <i>Spilanthes acmella</i> flowers using centrifugal partition chromatography and ESI-IT-TOF-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2011</b> , 879, 1886-92	3.2	32
58	Alaskan seaweeds lower inflammation in RAW 264.7 macrophages and decrease lipid accumulation in 3T3-L1 adipocytes. <i>Journal of Functional Foods</i> , <b>2015</b> , 15, 396-407	5.1	31

57	Antiparasitic compounds from <i>Cornus florida</i> L. with activities against <i>Plasmodium falciparum</i> and <i>Leishmania tarentolae</i> . <i>Journal of Ethnopharmacology</i> , <b>2012</b> , 142, 456-61	5	28
56	Bioactive polyphenols from muscadine grape and blackcurrant stably concentrated onto protein-rich matrices for topical applications. <i>International Journal of Cosmetic Science</i> , <b>2013</b> , 35, 394-401 <sup>2-7</sup>	2.7	26
55	Structures, biogenetic relationships, and cytotoxicity of pimarane-derived diterpenes from <i>Petalostigma pubescens</i> . <i>Phytochemistry</i> , <b>2006</b> , 67, 1708-15	4	25
54	Characterization of Phenolic Compounds and Antioxidant and Anti-inflammatory Activities from Mamuyo ( <i>Styrax ramirezii</i> Greenm.) Fruit. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 10459-65 <sup>5-7</sup>	5.7	24
53	Increased Plasma Levels of Gut-Derived Phenolics Linked to Walking and Running Following Two Weeks of Flavonoid Supplementation. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	24
52	Enhanced stability of berry pomace polyphenols delivered in protein-polyphenol aggregate particles to an in vitro gastrointestinal digestion model. <i>Food Chemistry</i> , <b>2020</b> , 331, 127279	8.5	23
51	Cytotoxic effects of ellagitannins isolated from walnuts in human cancer cells. <i>Nutrition and Cancer</i> , <b>2014</b> , 66, 1304-14	2.8	23
50	In vitro lipolytic, antioxidant and anti-inflammatory activities of roasted pistachio kernel and skin constituents. <i>Food and Function</i> , <b>2016</b> , 7, 4285-4298	6.1	22
49	Influence of Ingesting a Flavonoid-Rich Supplement on the Metabolome and Concentration of Urine Phenolics in Overweight/Obese Women. <i>Journal of Proteome Research</i> , <b>2017</b> , 16, 2924-2935	5.6	18
48	Alaskan Berry Extracts Promote Dermal Wound Repair Through Modulation of Bioenergetics and Integrin Signaling. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 1058	5.6	17
47	Polyphenols from <i>Cornulaca monacantha</i> . <i>Phytochemistry</i> , <b>2001</b> , 58, 611-3	4	16
46	LC-MS characterization of bioactive metabolites from two Yemeni Aloe spp. with antioxidant and antidiabetic properties. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 5040-5049	5.9	15
45	Impact of a new postharvest disinfection method based on peracetic acid fogging on the phenolic profile of strawberries. <i>Postharvest Biology and Technology</i> , <b>2016</b> , 117, 197-205	6.2	15
44	Neo-Clerodane Diterpenes from <i>Ajuga turkestanica</i> . <i>Phytochemistry Letters</i> , <b>2008</b> , 1, 81-84	1.9	15
43	Leishmanicidal activity of a daucane sesquiterpene isolated from <i>Eryngium foetidum</i> . <i>Pharmaceutical Biology</i> , <b>2014</b> , 52, 398-401	3.8	14
42	Polyphenols isolated from <i>Acacia mearnsii</i> bark with anti-inflammatory and carbolytic enzyme inhibitory activities. <i>Chinese Journal of Natural Medicines</i> , <b>2017</b> , 15, 816-824	2.8	14
41	Changes due to high oxygen and high carbon dioxide atmospheres on the general quality and the polyphenolic profile of strawberries. <i>Postharvest Biology and Technology</i> , <b>2019</b> , 148, 49-57	6.2	14
40	Novel value-added uses for sweet potato juice and flour in polyphenol- and protein-enriched functional food ingredients. <i>Food Science and Nutrition</i> , <b>2015</b> , 3, 415-24	3.2	13

39	Bioactive capacity, sensory properties, and nutritional analysis of a shelf stable protein-rich functional ingredient with concentrated fruit and vegetable phytoactives. <i>Plant Foods for Human Nutrition</i> , <b>2014</b> , 69, 372-8	3.9	13
38	Isolation and characterization of flavonols from blackcurrant by high-performance counter-current chromatography and electrospray ionization tandem mass spectrometry. <i>Journal of Separation Science</i> , <b>2012</b> , 35, 1682-9	3.4	13
37	Phytochemical characterization of an adaptogenic preparation from <i>Rhodiola heterodonta</i> . <i>Natural Product Communications</i> , <b>2009</b> , 4, 1053-8	0.9	13
36	Inter- and intra-seasonal changes in anthocyanin accumulation and global metabolite profiling of six blueberry genotypes. <i>Journal of Food Composition and Analysis</i> , <b>2017</b> , 59, 105-110	4.1	11
35	Concentrating immunoprotective phytoactive compounds from fruits and vegetables into shelf-stable protein-rich ingredients. <i>Plant Foods for Human Nutrition</i> , <b>2014</b> , 69, 317-24	3.9	11
34	Antiplasmodial activity of the ethnobotanical plant <i>Cassia fistula</i> . <i>Natural Product Communications</i> , <b>2012</b> , 7, 1263-6	0.9	11
33	One-step isolation of carnolic acid and carnosol from rosemary by centrifugal partition chromatography. <i>Journal of Separation Science</i> , <b>2017</b> , 40, 1057-1062	3.4	10
32	Phenolic content, anti-inflammatory properties, and dermal wound repair properties of industrially processed and non-processed acai from the Brazilian Amazon. <i>Food and Function</i> , <b>2020</b> , 11, 4903-4914	6.1	10
31	Flavonoid glycosides and pharmacological activity of <i>Amphilophium paniculatum</i> . <i>Pharmacognosy Research (discontinued)</i> , <b>2013</b> , 5, 17-21	0.7	10
30	Diversity in Metabolites and Fruit Quality Traits in Blueberry Enables Ploidy and Species Differentiation and Establishes a Strategy for Future Genetic Studies. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 370	6.2	9
29	αAmylase and βGlucosidase Inhibitory Activities of Phenolic Extracts from <i>Eucalyptus grandis</i> L. urophylla Bark. <i>Journal of Chemistry</i> , <b>2017</b> , 2017, 1-7	2.3	9
28	Antiplasmodial activity of cucurbitacin glycosides from <i>Datisca glomerata</i> (C. Presl) Baill. <i>Phytochemistry</i> , <b>2013</b> , 87, 78-85	4	9
27	Isolation and structural elucidation of indole alkaloids from <i>Geissospermum vellosii</i> by mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2012</b> , 885-886, 83-9	3.2	8
26	Antiplasmodial Activity of the Ethnobotanical Plant <i>Cassia fistula</i> . <i>Natural Product Communications</i> , <b>2012</b> , 7, 1934578X1200701	0.9	8
25	Phytochemical Characterization and Anti-inflammatory Properties of <i>Acacia mearnsii</i> Leaves. <i>Natural Product Communications</i> , <b>2016</b> , 11, 1934578X1601100	0.9	8
24	ent-Beyerane diterpenoids from the heartwood of <i>Excoecaria parvifolia</i> . <i>Phytochemistry</i> , <b>2007</b> , 68, 546-553	3	7
23	Characteristic flavonoids from <i>Acacia burkittii</i> and <i>A. acuminata</i> heartwoods and their differential cytotoxicity to normal and leukemia cells. <i>Natural Product Communications</i> , <b>2009</b> , 4, 69-76	0.9	7
22	Antiplasmodial and cytotoxic activities of drimane sesquiterpenes from <i>Canella winterana</i> . <i>Natural Product Communications</i> , <b>2010</b> , 5, 1869-72	0.9	7

21	Tracking deposition of a <sup>14</sup> C-radiolabeled kudzu hairy root-derived isoflavone-rich fraction into bone. <i>Experimental Biology and Medicine</i> , <b>2010</b> , 235, 1224-35	3.7	6
20	A new eudesmanolide from <i>Crataegus flava</i> fruits. <i>Fitoterapia</i> , <b>2001</b> , 72, 756-9	3.2	6
19	Novel strategies for capturing health-protective mango phytochemicals in shelf stable food matrices. <i>International Journal of Food Sciences and Nutrition</i> , <b>2015</b> , 66, 175-85	3.7	5
18	Blueberry Extracts as a Novel Approach to Prevent Ozone-Induced Cutaneous Inflammation Activation. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 9571490	6.7	5
17	In Vitro Evaluation of a Novel Synthetic Bilirubin Analog as an Antioxidant and Cytoprotective Agent for Pancreatic Islet Transplantation. <i>Cell Transplantation</i> , <b>2020</b> , 29, 963689720906417	4	3
16	Changes in the bioactive properties of strawberries caused by the storage in oxygen- and carbon dioxide-enriched atmospheres. <i>Food Science and Nutrition</i> , <b>2019</b> , 7, 2527-2536	3.2	3
15	Novel Spray Dried Algae-Rosemary Particles Attenuate Pollution-Induced Skin Damage. <i>Molecules</i> , <b>2021</b> , 26,	4.8	3
14	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. <i>LWT - Food Science and Technology</i> , <b>2021</b> , 149, 111901	5.4	3
13	Hypoglycaemic, insulin releasing, and hepatoprotective effect of the aqueous extract of Aloe perryi Baker resin (Socotran Aloe) in streptozotocin-induced diabetic rats. <i>Journal of Taibah University for Science</i> , <b>2020</b> , 14, 1671-1685	3	2
12	In vitro mineral nutrition of <i>Curcuma longa</i> L. affects production of volatile compounds in rhizomes after transfer to the greenhouse. <i>BMC Plant Biology</i> , <b>2018</b> , 18, 122	5.3	2
11	Pendulaosides A and B. Two acylated triterpenoid saponins from <i>Harpullia pendula</i> seed extract. <i>Phytochemistry Letters</i> , <b>2017</b> , 21, 278-282	1.9	2
10	Antiplasmodial and Cytotoxic Activities of Drimane Sesquiterpenes from <i>Canella winterana</i> . <i>Natural Product Communications</i> , <b>2010</b> , 5, 1934578X1000501	0.9	2
9	Phytochemical Characterization of an Adaptogenic Preparation from <i>Rhodiola heterodonta</i> . <i>Natural Product Communications</i> , <b>2009</b> , 4, 1934578X0900400	0.9	2
8	The same anthocyanins served four different ways: Insights into anthocyanin structure-function relationships from the wintergreen orchid, <i>Tipularia discolor</i> . <i>Plant Science</i> , <b>2021</b> , 303, 110793	5.3	2
7	Phytoecdysteroids Do Not Have Anabolic Effects in Skeletal Muscle in Sedentary Aging Mice. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	2
6	Photosynthetic Profiles of Green, Purple, and Spotted-Leaf Morphotypes of <i>Tipularia discolor</i> (Orchidaceae). <i>Southeastern Naturalist</i> , <b>2019</b> , 18, 641	0.4	1
5	Alaskan Bog Blueberry ( <i>Vaccinium uliginosum</i> ) Extract as an Innovative Topical Approach to Prevent UV-Induced Skin Damage. <i>Cosmetics</i> , <b>2021</b> , 8, 112	2.7	1
4	Neuroprotective mechanisms of red clover and soy isoflavones in Parkinson's disease models. <i>Food and Function</i> , <b>2021</b> , 12, 11987-12007	6.1	0

- 3 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 8.5 ○
- 2 Characteristic Flavonoids from *Acacia burkittii* and *A. Acuminata* Heartwoods and their Differential Cytotoxicity to Normal and Leukemia Cells. *Natural Product Communications*, **2009**, 4, 1934578X0900400 0.9
- 1 Acute phytoecdysteroid treatment increases PI3k-Akt signaling in aged mouse skeletal muscle. *FASEB Journal*, **2013**, 27, 713.6 0.9