

Colin D Kay

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.

81

papers

5,192

citations

36

h-index

72

g-index

89

ext. papers

5,877

ext. citations

4.9

avg, IF

5.86

L-index

#	Paper	IF	Citations
81	Effects of chocolate, cocoa, and flavan-3-ols on cardiovascular health: a systematic review and meta-analysis of randomized trials. <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 740-51	7	446
80	Human metabolism and elimination of the anthocyanin, cyanidin-3-glucoside: a (13)C-tracer study. <i>American Journal of Clinical Nutrition</i> , 2013 , 97, 995-1003	7	398
79	Absorption of anthocyanins from blueberries and serum antioxidant status in human subjects. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 7731-7	5.7	359
78	Habitual intake of flavonoid subclasses and incident hypertension in adults. <i>American Journal of Clinical Nutrition</i> , 2011 , 93, 338-47	7	336
77	The Bioavailability, Transport, and Bioactivity of Dietary Flavonoids: A Review from a Historical Perspective. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2018 , 17, 1054-1112	16.4	231
76	Anthocyanin metabolites in human urine and serum. <i>British Journal of Nutrition</i> , 2004 , 91, 933-42	3.6	200
75	Higher anthocyanin intake is associated with lower arterial stiffness and central blood pressure in women. <i>American Journal of Clinical Nutrition</i> , 2012 , 96, 781-8	7	188
74	Anthocyanins and Flavanones Are More Bioavailable than Previously Perceived: A Review of Recent Evidence. <i>Annual Review of Food Science and Technology</i> , 2017 , 8, 155-180	14.7	155
73	The effect of wild blueberry (<i>Vaccinium angustifolium</i>) consumption on postprandial serum antioxidant status in human subjects. <i>British Journal of Nutrition</i> , 2002 , 88, 389-98	3.6	154
72	Anthocyanins exist in the circulation primarily as metabolites in adult men. <i>Journal of Nutrition</i> , 2005 , 135, 2582-8	4.1	150
71	Anthocyanin stability and recovery: implications for the analysis of clinical and experimental samples. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 5271-8	5.7	144
70	Dietary flavonoids and risk of stroke in women. <i>Stroke</i> , 2012 , 43, 946-51	6.7	143
69	Aspects of anthocyanin absorption, metabolism and pharmacokinetics in humans. <i>Nutrition Research Reviews</i> , 2006 , 19, 137-46	7	143
68	The bioactivity of dietary anthocyanins is likely to be mediated by their degradation products. <i>Molecular Nutrition and Food Research</i> , 2009 , 53 Suppl 1, S92-101	5.9	126
67	Relative impact of flavonoid composition, dose and structure on vascular function: a systematic review of randomised controlled trials of flavonoid-rich food products. <i>Molecular Nutrition and Food Research</i> , 2012 , 56, 1605-16	5.9	115
66	Cardiovascular disease risk biomarkers and liver and kidney function are not altered in postmenopausal women after ingesting an elderberry extract rich in anthocyanins for 12 weeks. <i>Journal of Nutrition</i> , 2009 , 139, 2266-71	4.1	102
65	Anthocyanins and their physiologically relevant metabolites alter the expression of IL-6 and VCAM-1 in CD40L and oxidized LDL challenged vascular endothelial cells. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 1095-106	5.9	101

64	Acute benefits of the microbial-derived isoflavone metabolite equol on arterial stiffness in men prospectively recruited according to equol producer phenotype: a double-blind randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2016 , 103, 694-702	7	96
63	Phenolic metabolites of anthocyanins following a dietary intervention study in post-menopausal women. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 490-502	5.9	93
62	Effects of pistachios on cardiovascular disease risk factors and potential mechanisms of action: a dose-response study. <i>American Journal of Clinical Nutrition</i> , 2008 , 88, 651-9	7	93
61	Blueberries improve biomarkers of cardiometabolic function in participants with metabolic syndrome-results from a 6-month, double-blind, randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2019 , 109, 1535-1545	7	87
60	Effects of sugar-sweetened and sugar-free cocoa on endothelial function in overweight adults. <i>International Journal of Cardiology</i> , 2011 , 149, 83-8	3.2	84
59	Methods of Analysis for Anthocyanins in Plants and Biological Fluids. <i>Journal of AOAC INTERNATIONAL</i> , 2004 , 87, 129-145	1.7	83
58	Diversity in the Bioaccessibility of Carotenoid and Chlorophyll Compounds in 69 Spinach Genotypes (P06-007-19). <i>Current Developments in Nutrition</i> , 2019 , 3,	0.4	78
57	Managing Risks Associated with Establishing the Metabolome of Dietary Phytochemicals (P06-010-19). <i>Current Developments in Nutrition</i> , 2019 , 3,	0.4	78
56	Pistachios increase serum antioxidants and lower serum oxidized-LDL in hypercholesterolemic adults. <i>Journal of Nutrition</i> , 2010 , 140, 1093-8	4.1	70
55	Phenolic metabolites of anthocyanins modulate mechanisms of endothelial function. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 2423-31	5.7	68
54	Flavonoid metabolites reduce tumor necrosis factor- β secretion to a greater extent than their precursor compounds in human THP-1 monocytes. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 1143-54	5.9	65
53	The future of flavonoid research. <i>British Journal of Nutrition</i> , 2010 , 104 Suppl 3, S91-5	3.6	60
52	Sulforaphane represses matrix-degrading proteases and protects cartilage from destruction in vitro and in vivo. <i>Arthritis and Rheumatism</i> , 2013 , 65, 3130-40		59
51	Common Phenolic Metabolites of Flavonoids, but Not Their Unmetabolized Precursors, Reduce the Secretion of Vascular Cellular Adhesion Molecules by Human Endothelial Cells. <i>Journal of Nutrition</i> , 2016 , 146, 465-73	4.1	57
50	Orange juice-derived flavanone and phenolic metabolites do not acutely affect cardiovascular risk biomarkers: a randomized, placebo-controlled, crossover trial in men at moderate risk of cardiovascular disease. <i>American Journal of Clinical Nutrition</i> , 2015 , 101, 931-8	7	52
49	Anthocyanin-derived phenolic acids form glucuronides following simulated gastrointestinal digestion and microsomal glucuronidation. <i>Molecular Nutrition and Food Research</i> , 2011 , 55, 378-86	5.9	52
48	Methods for isolating, identifying, and quantifying anthocyanin metabolites in clinical samples. <i>Analytical Chemistry</i> , 2014 , 86, 10052-8	7.8	49
47	Effects of antioxidant-rich foods on vascular reactivity: review of the clinical evidence. <i>Current Atherosclerosis Reports</i> , 2006 , 8, 510-22	6	39

46	Diets containing pistachios reduce systolic blood pressure and peripheral vascular responses to stress in adults with dyslipidemia. <i>Hypertension</i> , 2012 , 60, 58-63	8.5	38
45	Recommendations for standardizing nomenclature for dietary (poly)phenol catabolites. <i>American Journal of Clinical Nutrition</i> , 2020 , 112, 1051-1068	7	35
44	Signatures of anthocyanin metabolites identified in humans inhibit biomarkers of vascular inflammation in human endothelial cells. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1700053	5.9	34
43	A moderate-fat diet containing pistachios improves emerging markers of cardiometabolic syndrome in healthy adults with elevated LDL levels. <i>British Journal of Nutrition</i> , 2014 , 112, 744-52	3.6	30
42	Acute fish oil and soy isoflavone supplementation increase postprandial serum (n-3) polyunsaturated fatty acids and isoflavones but do not affect triacylglycerols or biomarkers of oxidative stress in overweight and obese hypertriglyceridemic men. <i>Journal of Nutrition</i> , 2009 , 139, 1128-34	4.1	30
41	Flavonoid metabolism: the synthesis of phenolic glucuronides and sulfates as candidate metabolites for bioactivity studies of dietary flavonoids. <i>Tetrahedron</i> , 2012 , 68, 4194-4201	2.4	29
40	Increased Plasma Levels of Gut-Derived Phenolics Linked to Walking and Running Following Two Weeks of Flavonoid Supplementation. <i>Nutrients</i> , 2018 , 10,	6.7	24
39	Terms and nomenclature used for plant-derived components in nutrition and related research: efforts toward harmonization. <i>Nutrition Reviews</i> , 2020 , 78, 451-458	6.4	23
38	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> , 2017 , 16, 2924-2935	5.6	18
37	Contribution of Berry Polyphenols to the Human Metabolome. <i>Molecules</i> , 2019 , 24,	4.8	18
36	Anthocyanins remain stable during commercial blackcurrant juice processing. <i>Journal of Food Science</i> , 2011 , 76, S408-14	3.4	15
35	Bioactivity, Absorption, and Metabolism of Anthocyanins	228-262	15
34	In Vitro Bioaccessibility of Carotenoids and Chlorophylls in a Diverse Collection of Spinach Accessions and Commercial Cultivars. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 3495-3505	5.7	13
33	Cardiovascular Mechanisms of Action of Anthocyanins May Be Associated with the Impact of Microbial Metabolites on Heme Oxygenase-1 in Vascular Smooth Muscle Cells. <i>Molecules</i> , 2018 , 23,	4.8	13
32	A gram scale synthesis of a multi- ¹³ C-labelled anthocyanin, [6,8,10,3',5',13C ₅]cyanidin-3-glucoside, for use in oral tracer studies in humans. <i>Chemical Communications</i> , 2011 , 47, 10596-8	5.8	13
31	Blueberry and/or Banana Consumption Mitigate Arachidonic, Cytochrome P450 Oxylipin Generation During Recovery From 75-Km Cycling: A Randomized Trial. <i>Frontiers in Nutrition</i> , 2020 , 7, 121	6.2	12
30	The postprandial effects of dietary antioxidants in humans. <i>Current Atherosclerosis Reports</i> , 2003 , 5, 452-8		11
29	Effect of adding milk to black tea on vascular function in healthy men and women: a randomised controlled crossover trial. <i>Food and Function</i> , 2018 , 9, 6307-6314	6.1	11

28	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> , 2020 , 11, 370	6.2	9
27	Rethinking paradigms for studying mechanisms of action of plant bioactives. <i>Nutrition Bulletin</i> , 2015 , 40, 335-339	3.5	9
26	An enriched biosignature of gut microbiota-dependent metabolites characterizes maternal plasma in a mouse model of fetal alcohol spectrum disorder. <i>Scientific Reports</i> , 2021 , 11, 248	4.9	6
25	Reply to C Drossard et al. <i>American Journal of Clinical Nutrition</i> , 2011 , 93, 866-867	7	4
24	Development of a genetic framework to improve the efficiency of bioactive delivery from blueberry. <i>Scientific Reports</i> , 2020 , 10, 17311	4.9	4
23	Exploring the Contribution of (Poly)phenols to the Dietary Exposome using High Resolution Mass Spectrometry Untargeted Metabolomics.. <i>Molecular Nutrition and Food Research</i> , 2022 , e2100922	5.9	3
22	Blueberry anthocyanin intake attenuates the postprandial cardiometabolic effect of an energy-dense food challenge: Results from a double blind, randomized controlled trial in metabolic syndrome participants. <i>Clinical Nutrition</i> , 2021 , 41, 165-176	5.9	3
21	A Moderate-Fat Diet with Pistachios Lowers Small-Dense LDL and Improves Markers of Insulin Sensitivity in Subjects with Moderately-Elevated Cholesterol Levels. <i>FASEB Journal</i> , 2013 , 27, 1057.13	0.9	3
20	High-density linkage map construction and identification of loci regulating fruit quality traits in blueberry. <i>Horticulture Research</i> , 2021 , 8, 169	7.7	3
19	Foaming and sensory characteristics of protein-polyphenol particles in a food matrix. <i>Food Hydrocolloids</i> , 2022 , 123, 107148	10.6	3
18	The major intestinal metabolites of anthocyanins are unlikely to be conjugates of their parent compounds but metabolites of their degradation products. <i>Proceedings of the Nutrition Society</i> , 2008 , 67,	2.9	2
17	Influence of simulated food and oral processing on carotenoid and chlorophyll bioaccessibility among six spinach genotypes. <i>Food and Function</i> , 2021 , 12, 7001-7016	6.1	2
16	Potential Health Benefits of Blackcurrants 2013 , 215-250		1
15	Flavanones 2020 , 439-495		1
14	Strawberry Consumption, Cardiometabolic Risk Factors, and Vascular Function: A Randomized Controlled Trial in Adults with Moderate Hypercholesterolemia. <i>Journal of Nutrition</i> , 2021 , 151, 1517-1526	4.1	1
13	Microbial Metabolites of Flavanols in Urine are Associated with Enhanced Anti-Proliferative Activity in Bladder Cancer Cells In Vitro. <i>Nutrition and Cancer</i> , 2021 , 1-17	2.8	1
12	The berry health tool chest - an evidence map and interactive resource. <i>Nutrition Reviews</i> , 2021 , 80, 68-76.	7.4	0
11	A randomized placebo-controlled cross-over study on the effects of anthocyanins on inflammatory and metabolic responses to a high-fat meal in healthy subjects.. <i>Redox Biology</i> , 2022 , 51, 102273	11.3	0

10	Spray-dried and freeze-dried protein-spinach particles; effect of drying technique and protein type on the bioaccessibility of carotenoids, chlorophylls, and phenolics.. <i>Food Chemistry</i> , 2022 , 388, 133017	8.5	o
9	Supplemental treatment options for diabetes: how flavanol metabolites improve Ecell function. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
8	Effect of acute fish oil and soy isoflavone supplementation on postprandial serum triglycerides and biomarkers of oxidative stress in overweight or obese, hypertriglyceridemic men. <i>FASEB Journal</i> , 2007 , 21, A370	0.9	
7	Pistachios beneficially affect multiple lipid and apolipoprotein CVD risk factors. <i>FASEB Journal</i> , 2007 , 21, A695	0.9	
6	Pistachios Reduce Blood Pressure and Vascular Responses to Acute Stress in Healthy Adults. <i>FASEB Journal</i> , 2007 , 21, A696	0.9	
5	The bioactivity of flavonoids is likely the result of cumulative low exposure to a variety of structurally similar phenolic metabolites. <i>FASEB Journal</i> , 2015 , 29, 118.4	0.9	
4	Phytochemicals339-352		
3	Absorption, distribution, metabolism and elimination of a stable isotope-labelled anthocyanin in Humans. <i>FASEB Journal</i> , 2013 , 27, 125.6	0.9	
2	The metabolic fate of anthocyanins in humans. <i>FASEB Journal</i> , 2013 , 27, 125.7	0.9	
1	Effect of Wild Blueberry Metabolites on Biomarkers of Gastrointestinal and Immune Health In Vitro. <i>Immuno</i> , 2022 , 2, 293-306		