

# Colin D Kay

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1096189/colin-d-kay-publications-by-year.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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 | Exploring the Contribution of (Poly)phenols to the Dietary Exposome using High Resolution Mass Spectrometry Untargeted Metabolomics.. <i>Molecular Nutrition and Food Research</i> , <b>2022</b> , e2100922   | 5.9  | 3         |
| 80 | Foaming and sensory characteristics of protein-polyphenol particles in a food matrix. <i>Food Hydrocolloids</i> , <b>2022</b> , 123, 107148   | 10.6 | 3         |
| 79 | Effect of Wild Blueberry Metabolites on Biomarkers of Gastrointestinal and Immune Health In Vitro. <i>Immuno</i> , <b>2022</b> , 2, 293-306   |      |           |
| 78 | 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> , <b>2022</b> , 51, 102273  | 11.3 | 0         |
| 77 | 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> , <b>2022</b> , 388, 133017   | 8.5  | 0         |
| 76 | 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> , <b>2021</b> , 41, 165-176 | 5.9  | 3         |
| 75 | Strawberry Consumption, Cardiometabolic Risk Factors, and Vascular Function: A Randomized Controlled Trial in Adults with Moderate Hypercholesterolemia. <i>Journal of Nutrition</i> , <b>2021</b> , 151, 1517-1526   | 4.1  | 1         |
| 74 | The berry health tool chest - an evidence map and interactive resource. <i>Nutrition Reviews</i> , <b>2021</b> , 80, 68-76  | 7.4  | 0         |
| 73 | Influence of simulated food and oral processing on carotenoid and chlorophyll bioaccessibility among six spinach genotypes. <i>Food and Function</i> , <b>2021</b> , 12, 7001-7016  | 6.1  | 2         |
| 72 | Microbial Metabolites of Flavanols in Urine are Associated with Enhanced Anti-Proliferative Activity in Bladder Cancer Cells In Vitro. <i>Nutrition and Cancer</i> , <b>2021</b> , 1-17   | 2.8  | 1         |
| 71 | High-density linkage map construction and identification of loci regulating fruit quality traits in blueberry. <i>Horticulture Research</i> , <b>2021</b> , 8, 169  | 7.7  | 3         |
| 70 | An enriched biosignature of gut microbiota-dependent metabolites characterizes maternal plasma in a mouse model of fetal alcohol spectrum disorder. <i>Scientific Reports</i> , <b>2021</b> , 11, 248   | 4.9  | 6         |
| 69 | 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> , <b>2020</b> , 68, 3495-3505   | 5.7  | 13        |
| 68 | 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         |
| 67 | Supplemental treatment options for diabetes: how flavanol metabolites improve Ecell function. <i>FASEB Journal</i> , <b>2020</b> , 34, 1-1  | 0.9  |           |
| 66 | Terms and nomenclature used for plant-derived components in nutrition and related research: efforts toward harmonization. <i>Nutrition Reviews</i> , <b>2020</b> , 78, 451-458  | 6.4  | 23        |
| 65 | 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> , <b>2020</b> , 7, 121  | 6.2  | 12        |

|    |  |      |     |
|----|--|------|-----|
| 64 | Flavanones <b>2020</b> , 439-495   |      | 1   |
| 63 | Development of a genetic framework to improve the efficiency of bioactive delivery from blueberry. <i>Scientific Reports</i> , <b>2020</b> , 10, 17311   | 4.9  | 4   |
| 62 | Recommendations for standardizing nomenclature for dietary (poly)phenol catabolites. <i>American Journal of Clinical Nutrition</i> , <b>2020</b> , 112, 1051-1068  | 7    | 35  |
| 61 | Diversity in the Bioaccessibility of Carotenoid and Chlorophyll Compounds in 69 Spinach Genotypes (P06-007-19). <i>Current Developments in Nutrition</i> , <b>2019</b> , 3,  | 0.4  | 78  |
| 60 | 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> , <b>2019</b> , 109, 1535-1545                                     | 7    | 87  |
| 59 | Managing Risks Associated with Establishing the Metabolome of Dietary Phytochemicals (P06-010-19). <i>Current Developments in Nutrition</i> , <b>2019</b> , 3,   | 0.4  | 78  |
| 58 | Contribution of Berry Polyphenols to the Human Metabolome. <i>Molecules</i> , <b>2019</b> , 24,  | 4.8  | 18  |
| 57 | 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> , <b>2018</b> , 23,   | 4.8  | 13  |
| 56 | The Bioavailability, Transport, and Bioactivity of Dietary Flavonoids: A Review from a Historical Perspective. <i>Comprehensive Reviews in Food Science and Food Safety</i> , <b>2018</b> , 17, 1054-1112  | 16.4 | 231 |
| 55 | 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> , <b>2018</b> , 9, 6307-6314   | 6.1  | 11  |
| 54 | 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  |
| 53 | Anthocyanins and Flavanones Are More Bioavailable than Previously Perceived: A Review of Recent Evidence. <i>Annual Review of Food Science and Technology</i> , <b>2017</b> , 8, 155-180   | 14.7 | 155 |
| 52 | Signatures of anthocyanin metabolites identified in humans inhibit biomarkers of vascular inflammation in human endothelial cells. <i>Molecular Nutrition and Food Research</i> , <b>2017</b> , 61, 1700053  | 5.9  | 34  |
| 51 | 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  |
| 50 | 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> , <b>2016</b> , 146, 465-73  | 4.1  | 57  |
| 49 | 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> , <b>2016</b> , 103, 694-702 | 7    | 96  |
| 48 | Flavonoid metabolites reduce tumor necrosis factor- $\beta$ secretion to a greater extent than their precursor compounds in human THP-1 monocytes. <i>Molecular Nutrition and Food Research</i> , <b>2015</b> , 59, 1143-1154  | 5.9  | 65  |
| 47 | 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> , <b>2015</b> , 59, 1095-106   | 5.9  | 101 |

|    |   |     |     |
|----|---|-----|-----|
| 46 | Rethinking paradigms for studying mechanisms of action of plant bioactives. <i>Nutrition Bulletin</i> , <b>2015</b> , 40, 335-339   | 3.5 | 9   |
| 45 | 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> , <b>2015</b> , 101, 931-8 | 7   | 52  |
| 44 | Phenolic metabolites of anthocyanins modulate mechanisms of endothelial function. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 2423-31   | 5.7 | 68  |
| 43 | The bioactivity of flavonoids is likely the result of cumulative low exposure to a variety of structurally similar phenolic metabolites. <i>FASEB Journal</i> , <b>2015</b> , 29, 118.4   | 0.9 |     |
| 42 | Methods for isolating, identifying, and quantifying anthocyanin metabolites in clinical samples. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 10052-8  | 7.8 | 49  |
| 41 | Phenolic metabolites of anthocyanins following a dietary intervention study in post-menopausal women. <i>Molecular Nutrition and Food Research</i> , <b>2014</b> , 58, 490-502  | 5.9 | 93  |
| 40 | 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> , <b>2014</b> , 112, 744-52   | 3.6 | 30  |
| 39 | Potential Health Benefits of Blackcurrants <b>2013</b> , 215-250  |     | 1   |
| 38 | Sulforaphane represses matrix-degrading proteases and protects cartilage from destruction in vitro and in vivo. <i>Arthritis and Rheumatism</i> , <b>2013</b> , 65, 3130-40   |     | 59  |
| 37 | Human metabolism and elimination of the anthocyanin, cyanidin-3-glucoside: a (13)C-tracer study. <i>American Journal of Clinical Nutrition</i> , <b>2013</b> , 97, 995-1003   | 7   | 398 |
| 36 | Absorption, distribution, metabolism and elimination of a stable isotope-labelled anthocyanin in Humans. <i>FASEB Journal</i> , <b>2013</b> , 27, 125.6   | 0.9 |     |
| 35 | The metabolic fate of anthocyanins in humans. <i>FASEB Journal</i> , <b>2013</b> , 27, 125.7  | 0.9 |     |
| 34 | 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> , <b>2013</b> , 27, 1057.13  | 0.9 | 3   |
| 33 | Flavonoid metabolism: the synthesis of phenolic glucuronides and sulfates as candidate metabolites for bioactivity studies of dietary flavonoids. <i>Tetrahedron</i> , <b>2012</b> , 68, 4194-4201  | 2.4 | 29  |
| 32 | 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> , <b>2012</b> , 95, 740-51  | 7   | 446 |
| 31 | 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> , <b>2012</b> , 56, 1605-16  | 5.9 | 115 |
| 30 | Higher anthocyanin intake is associated with lower arterial stiffness and central blood pressure in women. <i>American Journal of Clinical Nutrition</i> , <b>2012</b> , 96, 781-8  | 7   | 188 |
| 29 | Diets containing pistachios reduce systolic blood pressure and peripheral vascular responses to stress in adults with dyslipidemia. <i>Hypertension</i> , <b>2012</b> , 60, 58-63   | 8.5 | 38  |

|    |   |     |     |
|----|---|-----|-----|
| 28 | Dietary flavonoids and risk of stroke in women. <i>Stroke</i> , <b>2012</b> , 43, 946-51  | 6.7 | 143 |
| 27 | Effects of sugar-sweetened and sugar-free cocoa on endothelial function in overweight adults. <i>International Journal of Cardiology</i> , <b>2011</b> , 149, 83-8  | 3.2 | 84  |
| 26 | Habitual intake of flavonoid subclasses and incident hypertension in adults. <i>American Journal of Clinical Nutrition</i> , <b>2011</b> , 93, 338-47   | 7   | 336 |
| 25 | Anthocyanins remain stable during commercial blackcurrant juice processing. <i>Journal of Food Science</i> , <b>2011</b> , 76, S408-14  | 3.4 | 15  |
| 24 | Anthocyanin-derived phenolic acids form glucuronides following simulated gastrointestinal digestion and microsomal glucuronidation. <i>Molecular Nutrition and Food Research</i> , <b>2011</b> , 55, 378-86   | 5.9 | 52  |
| 23 | A gram scale synthesis of a multi- <sup>13</sup> C-labelled anthocyanin, [6,8,10,3 <sup>15</sup> T <sup>13</sup> C <sup>5</sup> ]cyanidin-3-glucoside, for use in oral tracer studies in humans. <i>Chemical Communications</i> , <b>2011</b> , 47, 10596-8   | 5.8 | 13  |
| 22 | Reply to C Drossard et al. <i>American Journal of Clinical Nutrition</i> , <b>2011</b> , 93, 866-867  | 7   | 4   |
| 21 | Pistachios increase serum antioxidants and lower serum oxidized-LDL in hypercholesterolemic adults. <i>Journal of Nutrition</i> , <b>2010</b> , 140, 1093-8   | 4.1 | 70  |
| 20 | The future of flavonoid research. <i>British Journal of Nutrition</i> , <b>2010</b> , 104 Suppl 3, S91-5  | 3.6 | 60  |
| 19 | 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> , <b>2009</b> , 139, 1128-34 | 4.1 | 30  |
| 18 | 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> , <b>2009</b> , 139, 2266-71  | 4.1 | 102 |
| 17 | The bioactivity of dietary anthocyanins is likely to be mediated by their degradation products. <i>Molecular Nutrition and Food Research</i> , <b>2009</b> , 53 Suppl 1, S92-101  | 5.9 | 126 |
| 16 | Anthocyanin stability and recovery: implications for the analysis of clinical and experimental samples. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 5271-8  | 5.7 | 144 |
| 15 | 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> , <b>2008</b> , 67,   | 2.9 | 2   |
| 14 | Effects of pistachios on cardiovascular disease risk factors and potential mechanisms of action: a dose-response study. <i>American Journal of Clinical Nutrition</i> , <b>2008</b> , 88, 651-9   | 7   | 93  |
| 13 | 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> , <b>2007</b> , 21, A370  | 0.9 |     |
| 12 | Pistachios beneficially affect multiple lipid and apolipoprotein CVD risk factors. <i>FASEB Journal</i> , <b>2007</b> , 21, A695  | 0.9 |     |
| 11 | Pistachios Reduce Blood Pressure and Vascular Responses to Acute Stress in Healthy Adults. <i>FASEB Journal</i> , <b>2007</b> , 21, A696  | 0.9 |     |

|    |  |     |     |
|----|--|-----|-----|
| 10 | Effects of antioxidant-rich foods on vascular reactivity: review of the clinical evidence. <i>Current Atherosclerosis Reports</i> , <b>2006</b> , 8, 510-22  | 6   | 39  |
| 9  | Aspects of anthocyanin absorption, metabolism and pharmacokinetics in humans. <i>Nutrition Research Reviews</i> , <b>2006</b> , 19, 137-46   | 7   | 143 |
| 8  | Anthocyanins exist in the circulation primarily as metabolites in adult men. <i>Journal of Nutrition</i> , <b>2005</b> , 135, 2582-8   | 4.1 | 150 |
| 7  | Methods of Analysis for Anthocyanins in Plants and Biological Fluids. <i>Journal of AOAC INTERNATIONAL</i> , <b>2004</b> , 87, 129-145   | 1.7 | 83  |
| 6  | Anthocyanin metabolites in human urine and serum. <i>British Journal of Nutrition</i> , <b>2004</b> , 91, 933-42   | 3.6 | 200 |
| 5  | The postprandial effects of dietary antioxidants in humans. <i>Current Atherosclerosis Reports</i> , <b>2003</b> , 5, 452-8  |     | 11  |
| 4  | Absorption of anthocyanins from blueberries and serum antioxidant status in human subjects. <i>Journal of Agricultural and Food Chemistry</i> , <b>2002</b> , 50, 7731-7                               | 5.7 | 359 |
| 3  | The effect of wild blueberry ( <i>Vaccinium angustifolium</i> ) consumption on postprandial serum antioxidant status in human subjects. <i>British Journal of Nutrition</i> , <b>2002</b> , 88, 389-98 | 3.6 | 154 |
| 2  | Bioactivity, Absorption, and Metabolism of Anthocyanins 228-262  |     | 15  |
| 1  | Phytochemicals 339-352   |     |     |