

Katherine M Phillips

List of Publications by Year in descending order

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58
papers

4,284
citations

186254

28
h-index

144002

57
g-index

59
all docs

59
docs citations

59
times ranked

5150
citing authors

#	ARTICLE	IF	CITATIONS
1	The total antioxidant content of more than 3100 foods, beverages, spices, herbs and supplements used worldwide. <i>Nutrition Journal</i> , 2010, 9, 3.	3.4	664
2	Content of redox-active compounds (ie, antioxidants) in foods consumed in the United States. <i>American Journal of Clinical Nutrition</i> , 2006, 84, 95-135.	4.7	503
3	Phytosterol Composition of Nuts and Seeds Commonly Consumed in the United States. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 9436-9445.	5.2	354
4	Free and Esterified Sterol Composition of Edible Oils and Fats. <i>Journal of Food Composition and Analysis</i> , 2002, 15, 123-142.	3.9	271
5	Effects of Reducing Dietary Saturated Fatty Acids on Plasma Lipids and Lipoproteins in Healthy Subjects. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998, 18, 441-449.	2.4	255
6	Descriptive Characteristics of the Dietary Patterns Used in the Dietary Approaches to Stop Hypertension Trial. <i>Journal of the American Dietetic Association</i> , 1999, 99, S19-S27.	1.1	222
7	New and Existing Oils and Fats Used in Products with Reduced Trans-Fatty Acid Content. <i>Journal of the American Dietetic Association</i> , 2006, 106, 867-880.	1.1	189
8	Vitamin D and Sterol Composition of 10 Types of Mushrooms from Retail Suppliers in the United States. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 7841-7853.	5.2	138
9	Comparison of monounsaturated fat with carbohydrates as a replacement for saturated fat in subjects with a high metabolic risk profile: studies in the fasting and postprandial states. <i>American Journal of Clinical Nutrition</i> , 2007, 86, 1611-1620.	4.7	121
10	Stability of vitamin C in frozen raw fruit and vegetable homogenates. <i>Journal of Food Composition and Analysis</i> , 2010, 23, 253-259.	3.9	97
11	Determination of Sterols in Foods: Recovery of Free, Esterified, and Glycosidic Sterols. <i>Journal of Food Composition and Analysis</i> , 2001, 14, 631-643.	3.9	92
12	Vitamin D Mushrooms: Comparison of the Composition of Button Mushrooms (<i>Agaricus bisporus</i>) Treated Postharvest with UVB Light or Sunlight. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 8724-8732.	5.2	91
13	Quality-control materials in the USDA National Food and Nutrient Analysis Program (NFNAP). <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 1341-1355.	3.7	81
14	Comparison of monounsaturated fat with carbohydrates as a replacement for saturated fat in subjects with a high metabolic risk profile: studies in the fasting and postprandial states. <i>American Journal of Clinical Nutrition</i> , 2007, 86, 1611-1620.	4.7	73
15	Total Antioxidant Content of Alternatives to Refined Sugar. <i>Journal of the American Dietetic Association</i> , 2009, 109, 64-71.	1.1	67
16	Precise quantitative determination of phytosterols, stanols, and cholesterol metabolites in human serum by capillary gas-liquid chromatography. <i>Biomedical Applications</i> , 1999, 732, 17-29.	1.7	63
17	Comparison of 4 Nutrient Databases with Chemical Composition Data from the Dietary Approaches to Stop Hypertension Trial. <i>Journal of the American Dietetic Association</i> , 1999, 99, S45-S53.	1.1	61
18	ANALYSIS OF STERYL GLUCOSIDES IN FOODS AND DIETARY SUPPLEMENTS BY SOLID-PHASE EXTRACTION AND GAS CHROMATOGRAPHY. <i>Journal of Food Lipids</i> , 2005, 12, 124-140.	1.0	59

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19	Matrix-specific method validation for quantitative analysis of vitamin C in diverse foods. <i>Journal of Food Composition and Analysis</i> , 2012, 26, 12-25.	3.9	58
20	Simplified gravimetric determination of total fat in food composites after chloroform-methanol extraction. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 1997, 74, 137-142.	1.9	51
21	Vitamin D4 in Mushrooms. <i>PLoS ONE</i> , 2012, 7, e40702.	2.5	49
22	Comparison of Total Folate Concentrations in Foods Determined by Microbiological Assay at Several Experienced U.S. Commercial Laboratories. <i>Journal of AOAC INTERNATIONAL</i> , 2005, 88, 805-813.	1.5	40
23	Development and validation of control materials for the measurement of vitamin D3 in selected US foods. <i>Journal of Food Composition and Analysis</i> , 2008, 21, 527-534.	3.9	37
24	Phytosterol content of experimental diets differing in fatty acid composition. <i>Food Chemistry</i> , 1999, 64, 415-422.	8.2	36
25	Diet Design for a Multicenter Controlled Feeding Trial. <i>Journal of the American Dietetic Association</i> , 1998, 98, 766.	1.1	35
26	Difference in Folate Content of Green and Red Sweet Peppers (<i>Capsicum annuum</i>) Determined by Liquid Chromatography-Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 9998-10002.	5.2	35
27	Stability of vitamin C in fruit and vegetable homogenates stored at different temperatures. <i>Journal of Food Composition and Analysis</i> , 2016, 45, 147-162.	3.9	35
28	Phytosterol-Deficient and High-Phytosterol Diets Developed for Controlled Feeding Studies. <i>Journal of the American Dietetic Association</i> , 2009, 109, 2043-2051.	1.1	33
29	Nutrient composition of selected traditional United States Northern Plains Native American plant foods. <i>Journal of Food Composition and Analysis</i> , 2014, 34, 136-152.	3.9	30
30	Implications of two different methods for analyzing total dietary fiber in foods for food composition databases. <i>Journal of Food Composition and Analysis</i> , 2019, 84, 103253.	3.9	29
31	Effect of freeze-drying and heating during analysis on dietary fiber in cooked and raw carrots. <i>Journal of Agricultural and Food Chemistry</i> , 1991, 39, 1216-1221.	5.2	28
32	Dietary fiber, starch, and sugars in bananas at different stages of ripeness in the retail market. <i>PLoS ONE</i> , 2021, 16, e0253366.	2.5	27
33	Cholesterol and vitamin D content of eggs in the U.S. retail market. <i>Journal of Food Composition and Analysis</i> , 2013, 29, 110-116.	3.9	24
34	Interlaboratory Trial for Measurement of Vitamin D and 25-Hydroxyvitamin D [25(OH)D] in Foods and a Dietary Supplement Using Liquid Chromatography-Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 3167-3175.	5.2	23
35	Validation of Diet Composition for the Dietary Approaches to Stop Hypertension Trial. <i>Journal of the American Dietetic Association</i> , 1999, 99, S60-S68.	1.1	22
36	Folate composition of 10 types of mushrooms determined by liquid chromatography-mass spectrometry. <i>Food Chemistry</i> , 2011, 129, 630-636.	8.2	22

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37	Seasonal variability of the vitamin C content of fresh fruits and vegetables in a local retail market. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 4191-4204.	3.5	22
38	EXTENDED VALIDATION OF A SIMPLIFIED EXTRACTION AND GRAVIMETRIC DETERMINATION OF TOTAL FAT TO SELECTED FOODS. <i>Journal of Food Lipids</i> , 2008, 15, 309-325.	1.0	21
39	Large Variability of Iodine Content in Retail Cow's Milk in the U.S.. <i>Nutrients</i> , 2020, 12, 1246.	4.1	21
40	Reference materials to evaluate measurement systems for the nutrient composition of foods: results from USDA's National Food and Nutrient Analysis Program (NFNAP). <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 219-229.	3.7	20
41	Liquid chromatography with ultraviolet and dual parallel mass spectrometric detection for analysis of vitamin D in retail fortified orange juice. <i>Journal of Food Composition and Analysis</i> , 2011, 24, 299-306.	3.9	20
42	Sterol composition of shellfish species commonly consumed in the United States. <i>Food and Nutrition Research</i> , 2012, 56, 18931.	2.6	20
43	Vitamin D levels in fish and shellfish determined by liquid chromatography with ultraviolet detection and mass spectrometry. <i>Journal of Food Composition and Analysis</i> , 2013, 30, 109-119.	3.9	19
44	Summary of reference materials for the determination of the nutrient composition of foods. <i>Accreditation and Quality Assurance</i> , 2007, 12, 126-133.	0.8	15
45	Preparation and characterization of control materials for the analysis of conjugated linoleic acid and trans-vaccenic acid in beef. <i>Food Research International</i> , 2010, 43, 2253-2261.	6.2	15
46	A mixed mushroom control material to facilitate inter-laboratory harmonization of mushroom composition analyses. <i>Journal of Food Composition and Analysis</i> , 2016, 48, 48-66.	3.9	14
47	Folic Acid Content of Ready-to-Eat Cereals Determined by Liquid Chromatography-Mass Spectrometry: Comparison to Product Label and to Values Determined by Microbiological Assay. <i>Cereal Chemistry</i> , 2010, 87, 42-49.	2.2	11
48	Optimization of Standard Gas Chromatographic Methodology for the Determination of Trans Fat in Unlabeled Bakery Products. <i>Food Analytical Methods</i> , 2010, 3, 277-294.	2.6	11
49	Folate content of different edible portions of vegetables and fruits. <i>Nutrition and Food Science</i> , 2008, 38, 175-181.	0.9	10
50	The Percentage of Dietary Phosphorus Excreted in the Urine Varies by Dietary Pattern in a Randomized Feeding Study in Adults. <i>Journal of Nutrition</i> , 2019, 149, 816-823.	2.9	9
51	Heat of immersion in water of Wyodak No. 3 coal as a function of moisture content. <i>Fuel</i> , 1986, 65, 647-649.	6.4	8
52	Vitamin D in Foods. , 2018, , 41-77.		8
53	Iodine in foods and dietary supplements: A collaborative database developed by NIH, FDA and USDA. <i>Journal of Food Composition and Analysis</i> , 2022, 109, 104369.	3.9	8
54	Cooking parameters affect the sodium content of prepared pasta. <i>Food Chemistry</i> , 2019, 271, 479-487.	8.2	5

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55	The Type and Amount of Dietary Fat Affect Plasma Factor VIIc, Fibrinogen, and PAI-1 in Healthy Individuals and Individuals at High Cardiovascular Disease Risk: 2 Randomized Controlled Trials. Journal of Nutrition, 2020, 150, 2089-2100.	2.9	4
56	Survey of vitamin D and 25-hydroxyvitamin D in traditional native Alaskan meats, fish, and oils. Journal of Food Composition and Analysis, 2018, 74, 114-128.	3.9	3
57	Fine Tuning a Bile-Enzymatic-Gravimetric Total Dietary Fiber Method. Journal of AOAC INTERNATIONAL, 1997, 80, 89-94.	1.5	1
58	Control materials for validating measurement of vitamin D in key foods for the USDA National Food and Nutrient Analysis Program (NFNAP). FASEB Journal, 2008, 22, 868.10.	0.5	0