Rachel E Kopec

List of Publications by Year
in descending order

40 papers	1,693 citations	448610 19 h-index	388640 36 g-index
42 all docs	42 docs citations	42 times ranked	2555 citing authors

#	Article	IF	Citations
1	The Effects of Chemotherapy on Circulating Plasma Omega-9, Omega-3 Fatty Acids and Plasmalogen in Breast Cancer Patients. Current Developments in Nutrition, 2022, 6, 237.	0.1	0
2	Catechinâ€Rich Green Tea Extract and the Lossâ€ofâ€TLR4 Signaling Differentially Alter the Hepatic Metabolome in Mice with Nonalcoholic Steatohepatitis. Molecular Nutrition and Food Research, 2021, 65, e2000998.	1.5	10
3	Vitamin A and D Absorption in Adults with Metabolic Syndrome versus Healthy Controls: A Pilot Study Utilizing Targeted and Untargeted LCâ€“MS Lipidomics. Molecular Nutrition and Food Research, 2021, 65, 2000413.	1.5	6
4	Reflections on Year One of â€œPersonalized Nutritionâ€. Journal of the American College of Nutrition, 2021, 40, 1-2.	1.1	2
5	Temperature and storage time increase provitamin A carotenoid concentrations and bioaccessibility in post-harvest carrots. Food Chemistry, 2021, 338, 128004.	4.2	7
6	Comparison of the carotenoid profiles of commonly consumed smear-ripened cheeses. LWT - Food Science and Technology, 2021, 135, 110241.	2.5	3
7	The Metabolism and Potential Bioactivity of Chlorophyll and Metalloâ€chlorophyll Derivatives in the Gastrointestinal Tract. Molecular Nutrition and Food Research, 2021, 65, e2000761.	1.5	22
8	A novel family of secreted insect proteins linked to plant gall development. Current Biology, 2021, 31, 1836-1849.e12.	1.8	37
9	Enzymology of vertebrate carotenoid oxygenases. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158653.	1.2	26
10	COLMAR Lipids Web Server and Ultrahigh-Resolution Methods for Two-Dimensional Nuclear Magnetic Resonance- and Mass Spectrometry-Based Lipidomics. Journal of Proteome Research, 2020, 19, 1674-1683.	1.8	23
11	The Effect of an Iron Supplement on Lycopene Metabolism and Absorption During Digestion in Healthy Humans. Molecular Nutrition and Food Research, 2019, 63, e1900644.	1.5	10
12	Novel Processing Technologies as Compared to Thermal Treatment on the Bioaccessibility and Caco-2 Cell Uptake of Carotenoids from Tomato and Kale-Based Juices. Journal of Agricultural and Food Chemistry, 2019, 67, 10185-10194.	2.4	19
13	Green Tea Extract Treatment in Obese Mice with Nonalcoholic Steatohepatitis Restores the Hepatic Metabolome in Association with Limiting Endotoxemiaâ€TLR4â€NFÎºBâ€Mediated Inflammation. Molecular Nutrition and Food Research, 2019, 63, e1900811.	1.5	27
14	The Effects of Doxorubicin-based Chemotherapy and Omega-3 Supplementation on Mouse Brain Lipids. Metabolites, 2019, 9, 208.	1.3	5
15	A Novel Tomato-Soy Juice Induces a Dose-Response Increase in Urinary and Plasma Phytochemical Biomarkers in Men with Prostate Cancer. Journal of Nutrition, 2019, 149, 26-35.	1.3	23
16	Recent advances in the bioaccessibility and bioavailability of carotenoids and effects of other dietary lipophiles. Journal of Food Composition and Analysis, 2018, 68, 16-30.	1.9	139
17	Production, separation, and characterization of apo-luteinoids by LC-MS/MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1102-1103, 45-51.	1.2	6
18	Production of asymmetric oxidative metabolites of [13C]-Î²-carotene during digestion in the gastrointestinal lumen of healthy men. American Journal of Clinical Nutrition, 2018, 108, 803-813.	2.2	14

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19	Digestion and Intestinal Absorption of Dietary Carotenoids and Vitamin A â˜†. , 2018, , 1133-1151.		9
20	Relative contribution of Î±-carotene to postprandial vitamin A concentrations in healthy humans after carrot consumption. American Journal of Clinical Nutrition, 2017, 106, 59-66.	2.2	17
21	Are lutein, lycopene, and Î²-carotene lost through the digestive process?. Food and Function, 2017, 8, 1494-1503.	2.1	53
22	A Combination of Single-Nucleotide Polymorphisms Is Associated with Interindividual Variability in Cholecalciferol Bioavailability in Healthy Men. Journal of Nutrition, 2016, 146, 2421-2428.	1.3	17
23	An HPLCâ€“MS/MS method for the separation of Î±-retinyl esters from retinyl esters. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1029-1030, 68-71.	1.2	4
24	Lycopene Dietary Intervention. Journal of Cardiovascular Nursing, 2015, 30, 205-212.	0.6	39
25	Sex differences in skin carotenoid deposition and acute UVB-induced skin damage in SKH-1 hairless mice after consumption oftangerinetomatoes. Molecular Nutrition and Food Research, 2015, 59, 2491-2501.	1.5	16
26	Avocado Consumption Enhances Human Postprandial Provitamin A Absorption and Conversion from a Novel Highâ€“Î²-Carotene Tomato Sauce and from Carrots. Journal of Nutrition, 2014, 144, 1158-1166.	1.3	76
27	Carotenoids are more bioavailable from papaya than from tomato and carrot in humans: a randomised cross-over study. British Journal of Nutrition, 2014, 111, 490-498.	1.2	121
28	Carotenoid Cleavage Dioxygenase and Presence of Apo-Carotenoids in Biological Matrices. ACS Symposium Series, 2013, , 31-41.	0.5	4
29	Comparison of highâ€performance liquid chromatography/tandem mass spectrometry and highâ€performance liquid chromatography/photoâ€diode array detection for the quantitation of carotenoids, retinyl esters, Î±â€tocopherol and phylloquinone in chylomicronâ€rich fractions of human plasma. Rapid Communications in Mass Spectrometry, 2013, 27, 1393-1402.	0.7	48
30	Naturally Occurring Eccentric Cleavage Products of Provitamin A Î²-Carotene Function as Antagonists of Retinoic Acid Receptors. Journal of Biological Chemistry, 2012, 287, 15886-15895.	1.6	118
31	Determination of Carotenoids, Total Phenolic Content, and Antioxidant Activity of ArazÃ¡ (Eugenia) Tj ETQq1 1 0.784314 rgBT /Ov 4709-4717.	2.4	57
32	Concentration of pro-vitamin A carotenoids in common beef cattle feedstuffs1. Journal of Animal Science, 2012, 90, 1553-1561.	0.2	31
33	A Mediterranean-style low-glycemic-load diet increases plasma carotenoids and decreases LDL oxidation in women with metabolic syndrome. Journal of Nutritional Biochemistry, 2012, 23, 609-615.	1.9	35
34	Provitamin A Absorption and Conversion from a Unique High Betaâ€Carotene Tomato is Higher when Consumed with Avocado. FASEB Journal, 2012, 26, 31.5.	0.2	0
35	Carotene and Novel Apocarotenoid Concentrations in Orange-Fleshed Cucumis melo Melons: Determinations of Î²-Carotene Bioaccessibility and Bioavailability. Journal of Agricultural and Food Chemistry, 2011, 59, 4448-4454.	2.4	96
36	Combined Pressureâ€“Temperature Effects on Carotenoid Retention and Bioaccessibility in Tomato Juice. Journal of Agricultural and Food Chemistry, 2011, 59, 7808-7817.	2.4	82

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37	An Update on the Health Effects of Tomato Lycopene. Annual Review of Food Science and Technology, 2010, 1, 189-210.	5.1	305
38	Identification and Quantification of Apo-lycopenals in Fruits, Vegetables, and Human Plasma. Journal of Agricultural and Food Chemistry, 2010, 58, 3290-3296.	2.4	155
39	Reductions of atherogenic lipoproteins are related to concentrations of plasma carotenoids in women following a Mediterraneanâ€style low glycemic diet. FASEB Journal, 2010, 24, 539.12.	0.2	0
40	Consumption of either one egg or luteinâ€enriched egg per day increases HDL cholesterol, reduces apolipoprotein B while increasing plasma carotenoids and macular pigment density in adult subjects. FASEB Journal, 2010, 24, 92.4.	0.2	4