

# Elizabeth J Johnson

## List of Publications by Year in Descending Order

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**Version:** 2024-04-25

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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.

99  
papers

5,885  
citations

38  
h-index

76  
g-index

99  
ext. papers

6,690  
ext. citations

4.5  
avg, IF

6.18  
L-index

#	Paper	IF	Citations
99	Beyond Nutrient Deficiency-Opportunities to Improve Nutritional Status and Promote Health Modernizing DRIs and Supplementation Recommendations. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	2
98	Carotenoid-Rich Brain Nutrient Pattern Is Positively Correlated With Higher Cognition and Lower Depression in the Oldest Old With No Dementia. <i>Frontiers in Nutrition</i> , <b>2021</b> , 8, 704691	6.2	3
97	The association between macular pigment optical density and visual function outcomes: a systematic review and meta-analysis. <i>Eye</i> , <b>2021</b> , 35, 1620-1628	4.4	6
96	Walnut intake, cognitive outcomes and risk factors: a systematic review and meta-analysis. <i>Annals of Medicine</i> , <b>2021</b> , 53, 971-997	1.5	2
95	Effects of daily almond consumption for six months on cognitive measures in healthy middle-aged to older adults: a randomized control trial. <i>Nutritional Neuroscience</i> , <b>2021</b> , 1-11	3.6	7
94	Maternal Intake of Lutein and Zeaxanthin during Pregnancy Is Positively Associated with Offspring Verbal Intelligence and Behavior Regulation in Mid-Childhood in the Project Viva Cohort. <i>Journal of Nutrition</i> , <b>2021</b> , 151, 615-627	4.1	6
93	Maternal diet quality during pregnancy and child cognition and behavior in a US cohort. <i>American Journal of Clinical Nutrition</i> , <b>2021</b> ,	7	3
92	Dose-Response Relation between Tea Consumption and Risk of Cardiovascular Disease and All-Cause Mortality: A Systematic Review and Meta-Analysis of Population-Based Studies. <i>Advances in Nutrition</i> , <b>2020</b> , 11, 790-814	10	26
91	Daily almond consumption in cardiovascular disease prevention via LDL-C change in the U.S. population: a cost-effectiveness analysis. <i>BMC Public Health</i> , <b>2020</b> , 20, 558	4.1	4
90	Short-Term Tea Consumption Is Not Associated with a Reduction in Blood Lipids or Pressure: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. <i>Journal of Nutrition</i> , <b>2020</b> , 150, 3269-3279	4.1	6
89	Perspective: The Role of Beverages as a Source of Nutrients and Phytonutrients. <i>Advances in Nutrition</i> , <b>2020</b> , 11, 507-523	10	11
88	Potato consumption and risk of cardio-metabolic diseases: evidence mapping of observational studies. <i>Systematic Reviews</i> , <b>2020</b> , 9, 274	3	2
87	Concentrations of Circulating Phylloquinone, but Not Cerebral Menaquinone-4, Are Positively Correlated with a Wide Range of Cognitive Measures: Exploratory Findings in Centenarians. <i>Journal of Nutrition</i> , <b>2020</b> , 150, 82-90	4.1	8
86	Clinico-Neuropathological Findings in the Oldest Old from the Georgia Centenarian Study. <i>Journal of Alzheimer's Disease</i> , <b>2019</b> , 70, 35-49	4.3	9
85	Carotenoids <b>2019</b> , 383-391		1
84	Serum Carotenoids, Tocopherols, Total n-3 Polyunsaturated Fatty Acids, and n-6/n-3 Polyunsaturated Fatty Acid Ratio Reflect Brain Concentrations in a Cohort of Centenarians. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2019</b> , 74, 306-314	6.4	17
83	Lutein across the Lifespan: From Childhood Cognitive Performance to the Aging Eye and Brain. <i>Current Developments in Nutrition</i> , <b>2019</b> , 3, nzz066	0.4	28

82	Almond Consumption and Risk Factors for Cardiovascular Disease: A Systematic Review and Meta-analysis of Randomized Controlled Trials. <i>Advances in Nutrition</i> , <b>2019</b> , 10, 1076-1088	10	24
81	Effects of Intake of Apples, Pears, or Their Products on Cardiometabolic Risk Factors and Clinical Outcomes: A Systematic Review and Meta-Analysis. <i>Current Developments in Nutrition</i> , <b>2019</b> , 3, nzz109	0.4	9
80	Lutein/zeaxanthin intake and visual outcomes in adults with healthy eyes: Qualitative gap analysis. <i>Cogent Medicine</i> , <b>2019</b> , 6, 1683939	1.4	14
79	Avocado consumption and risk factors for heart disease: a systematic review and meta-analysis. <i>American Journal of Clinical Nutrition</i> , <b>2018</b> , 107, 523-536	7	29
78	Xanthophylls. <i>Advances in Nutrition</i> , <b>2018</b> , 9, 160-162	10	5
77	Lutein Is Differentially Deposited across Brain Regions following Formula or Breast Feeding of Infant Rhesus Macaques. <i>Journal of Nutrition</i> , <b>2018</b> , 148, 31-39	4.1	18
76	Validation of a Dietary Screening Tool in a Middle-Aged Appalachian Population. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	12
75	Intrinsic and Extrinsic Factors Impacting Absorption, Metabolism, and Health Effects of Dietary Carotenoids. <i>Advances in Nutrition</i> , <b>2018</b> , 9, 465-492	10	75
74	Brain xanthophyll content and exploratory gene expression analysis: subspecies differences in rhesus macaque. <i>Genes and Nutrition</i> , <b>2017</b> , 12, 9	4.3	6
73	Effect of Carotenoid Supplemented Formula on Carotenoid Bioaccumulation in Tissues of Infant Rhesus Macaques: A Pilot Study Focused on Lutein. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	22
72	Closer to clarity on the effect of lipid consumption on fat-soluble vitamin and carotenoid absorption: do we need to close in further?. <i>American Journal of Clinical Nutrition</i> , <b>2017</b> , 106, 969-970	7	2
71	Lutein and Cognition Across the Lifespan. <i>Nutrition Today</i> , <b>2017</b> , 52, 183-189	1.6	7
70	Dietary guidance for lutein: consideration for intake recommendations is scientifically supported. <i>European Journal of Nutrition</i> , <b>2017</b> , 56, 37-42	5.2	57
69	A Pilot Randomized Controlled Trial of a New Supplementary Food Designed to Enhance Cognitive Performance during Prevention and Treatment of Malnutrition in Childhood. <i>Current Developments in Nutrition</i> , <b>2017</b> , 1,	0.4	10
68	Avocado Consumption Increases Macular Pigment Density in Older Adults: A Randomized, Controlled Trial. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	34
67	The Subcellular Distribution of Alpha-Tocopherol in the Adult Primate Brain and Its Relationship with Membrane Arachidonic Acid and Its Oxidation Products. <i>Antioxidants</i> , <b>2017</b> , 6,	7.1	4
66	Lutein accumulates in subcellular membranes of brain regions in adult rhesus macaques: Relationship to DHA oxidation products. <i>PLoS ONE</i> , <b>2017</b> , 12, e0186767	3.7	23
65	Low Plasma Carotene Concentrations Are Associated with an Increased Risk of Acute Coronary Syndrome in a Korean Population. <i>FASEB Journal</i> , <b>2017</b> , 31, 635.3	0.9	

64	The Ratio of HDL to LDL in Serum Is Related to Macular Pigment Density and Cognitive Function in Older Adults: Potential Insights into Lutein Transport to Neural Tissue. <i>FASEB Journal</i> , <b>2017</b> , 31, 170.3	0.9	
63	Macular pigment carotenoids in the retina and occipital cortex are related in humans. <i>Nutritional Neuroscience</i> , <b>2016</b> , 19, 95-101	3.6	60
62	Relationship between Concentrations of Lutein and StARD3 among Pediatric and Geriatric Human Brain Tissue. <i>PLoS ONE</i> , <b>2016</b> , 11, e0155488	3.7	19
61	Lutein and DHA Co-localize in Cell Membranes of Brain Regions Controlling Cognition in the Rhesus Macaque. <i>FASEB Journal</i> , <b>2016</b> , 30, 689.2	0.9	
60	Differential Expression of Genes Involved in Inflammatory Immune Response and Protein Ubiquitination in the Prefrontal Cortex of Rhesus Macaque with High and Low Lutein Content. <i>FASEB Journal</i> , <b>2016</b> , 30, 913.8	0.9	1
59	Choline and its metabolites are differentially associated with cardiometabolic risk and cardio- and cerebro-vascular disease. <i>FASEB Journal</i> , <b>2016</b> , 30, 904.18	0.9	
58	Parahippocampal Cortex Mediates the Relationship between Lutein and Crystallized Intelligence in Healthy, Older Adults. <i>Frontiers in Aging Neuroscience</i> , <b>2016</b> , 8, 297	5.3	20
57	The naturally occurring $\beta$ -tocopherol stereoisomer RRR- $\beta$ -tocopherol is predominant in the human infant brain. <i>British Journal of Nutrition</i> , <b>2016</b> , 116, 126-31	3.6	16
56	Dietary cholesterol and cardiovascular disease: a systematic review and meta-analysis. <i>American Journal of Clinical Nutrition</i> , <b>2015</b> , 102, 276-94	7	187
55	Nutrient absorption in the human gastrointestinal tract <b>2015</b> , 3-34		
54	Lutein and Brain Function. <i>Foods</i> , <b>2015</b> , 4, 547-564	4.9	64
53	Exploratory Metabolomic Analyses Reveal Compounds Correlated with Lutein Concentration in Frontal Cortex, Hippocampus, and Occipital Cortex of Human Infant Brain. <i>PLoS ONE</i> , <b>2015</b> , 10, e0136904	2.7	41
52	Dietary bioactives: establishing a scientific framework for recommended intakes. <i>Advances in Nutrition</i> , <b>2015</b> , 6, 1-4	10	35
51	Fat-soluble vitamins. <i>World Review of Nutrition and Dietetics</i> , <b>2015</b> , 111, 38-44	0.2	5
50	Nutrition and the Aging Eye <b>2015</b> , 57-79		
49	Macular pigment optical density is related to cognitive function in older people. <i>Age and Ageing</i> , <b>2014</b> , 43, 271-5	3	98
48	Lutein and preterm infants with decreased concentrations of brain carotenoids. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2014</b> , 59, 659-65	2.8	105
47	Genetic evidence for role of carotenoids in age-related macular degeneration in the Carotenoids in Age-Related Eye Disease Study (CAREDS) <b>2014</b> , 55, 587-99		91

46	Role of lutein and zeaxanthin in visual and cognitive function throughout the lifespan. <i>Nutrition Reviews</i> , <b>2014</b> , 72, 605-12	6.4	223
45	Bioavailability of AREDS1 micronutrients from softgel capsules and tablets: a pilot study. <i>Molecular Vision</i> , <b>2014</b> , 20, 1228-42	2.3	6
44	Macular lutein and zeaxanthin are related to brain lutein and zeaxanthin in primates. <i>Nutritional Neuroscience</i> , <b>2013</b> , 16, 21-9	3.6	106
43	Genetic determinants of macular pigments in women of the Carotenoids in Age-Related Eye Disease Study <b>2013</b> , 54, 2333-45		68
42	Relationship between Serum and Brain Carotenoids, $\alpha$ -Tocopherol, and Retinol Concentrations and Cognitive Performance in the Oldest Old from the Georgia Centenarian Study. <i>Journal of Aging Research</i> , <b>2013</b> , 2013, 951786	2.3	161
41	Nutrients for the aging eye. <i>Clinical Interventions in Aging</i> , <b>2013</b> , 8, 741-8	4	20
40	Lutein and Zeaxanthin and Eye Disease <b>2013</b> , 215-235		6
39	Lutein and zeaxanthin supplementation reduces photooxidative damage and modulates the expression of inflammation-related genes in retinal pigment epithelial cells. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 53, 1298-307	7.8	158
38	Lutein, zeaxanthin, meso-zeaxanthin content in egg yolk and their absence in fish and seafood. <i>Journal of Food Composition and Analysis</i> , <b>2012</b> , 27, 139-144	4.1	27
37	Eye Disease <b>2012</b> , 939-981		
36	A possible role for lutein and zeaxanthin in cognitive function in the elderly. <i>American Journal of Clinical Nutrition</i> , <b>2012</b> , 96, 1161S-5S	7	127
35	$\alpha$ -Tocopherol absorption into a three-dimensional human skin tissue model. <i>FASEB Journal</i> , <b>2012</b> , 26, 1019.2	0.9	
34	The photoprotective effects of almond phytonutrients in a three-dimensional human skin tissue model. <i>FASEB Journal</i> , <b>2012</b> , 26, 823.23	0.9	
33	Serum carotenoids and risk of age-related macular degeneration in a chinese population sample <b>2011</b> , 52, 4338-44		28
32	Nutritional manipulation of primate retinas, V: effects of lutein, zeaxanthin, and n-3 fatty acids on retinal sensitivity to blue-light-induced damage <b>2011</b> , 52, 3934-42		121
31	The role of phytonutrients in skin health. <i>Nutrients</i> , <b>2010</b> , 2, 903-28	6.7	71
30	The relationship of macular pigment optical density to serum lutein in retinitis pigmentosa <b>2010</b> , 51, 1086-91		17
29	Clinical trial of lutein in patients with retinitis pigmentosa receiving vitamin A. <i>JAMA Ophthalmology</i> , <b>2010</b> , 128, 403-11		126

28	Age-related macular degeneration and antioxidant vitamins: recent findings. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2010</b> , 13, 28-33	3.8	36
27	Intake of lutein and zeaxanthin differ with age, sex, and ethnicity. <i>Journal of the American Dietetic Association</i> , <b>2010</b> , 110, 1357-62		79
26	Supplementation with lutein or lutein plus green tea extracts does not change oxidative stress in adequately nourished older adults. <i>Journal of Nutritional Biochemistry</i> , <b>2010</b> , 21, 544-9	6.3	22
25	Lutein and Zeaxanthin in Red Blood Cells as a Measure of Their Status in Humans. <i>FASEB Journal</i> , <b>2010</b> , 24, 92.3	0.9	
24	Something New Under the Sun: Lutein's Role in Skin Health. <i>American Journal of Lifestyle Medicine</i> , <b>2009</b> , 3, 349-352	1.9	2
23	Xanthophyll (lutein, zeaxanthin) content in fruits, vegetables and corn and egg products. <i>Journal of Food Composition and Analysis</i> , <b>2009</b> , 22, 9-15	4.1	225
22	Site-specific concentrations of carotenoids in adipose tissue: relations with dietary and serum carotenoid concentrations in healthy adults. <i>American Journal of Clinical Nutrition</i> , <b>2009</b> , 90, 533-9	7	86
21	Determination of carotenoids in yellow maize, the effects of saponification and food preparations. <i>International Journal for Vitamin and Nutrition Research</i> , <b>2008</b> , 78, 112-20	1.7	54
20	Metabolism of lutein and zeaxanthin in rhesus monkeys: identification of (3R,6'R)- and (3R,6'S)-3'-dehydro-lutein as common metabolites and comparison to humans. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2008</b> , 151, 70-8	2.3	15
19	Cognitive findings of an exploratory trial of docosahexaenoic acid and lutein supplementation in older women. <i>Nutritional Neuroscience</i> , <b>2008</b> , 11, 75-83	3.6	199
18	The influence of supplemental lutein and docosahexaenoic acid on serum, lipoproteins, and macular pigmentation. <i>American Journal of Clinical Nutrition</i> , <b>2008</b> , 87, 1521-9	7	101
17	Lutein and age-related ocular disorders in the older adult: a review. <i>Journal of Nutrition in Gerontology and Geriatrics</i> , <b>2007</b> , 26, 139-57		19
16	Macular pigment optical density in the elderly: findings in a large biracial Midsouth population sample. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 1458-65		45
15	Effect of dietary lutein and zeaxanthin on plasma carotenoids and their transport in lipoproteins in age-related macular degeneration. <i>American Journal of Clinical Nutrition</i> , <b>2007</b> , 85, 762-9	7	95
14	The selective retention of lutein, meso-zeaxanthin and zeaxanthin in the retina of chicks fed a xanthophyll-free diet. <i>Experimental Eye Research</i> , <b>2007</b> , 84, 591-8	3.7	31
13	A comparison of carotenoids, retinoids, and tocopherols in the serum and buccal mucosa of chronic cigarette smokers versus nonsmokers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2006</b> , 15, 993-9	4	38
12	Potential role of dietary n-3 fatty acids in the prevention of dementia and macular degeneration. <i>American Journal of Clinical Nutrition</i> , <b>2006</b> , 83, 1494S-1498S	7	69
11	Predictors of optical density of lutein and zeaxanthin in retinas of older women in the Carotenoids in Age-Related Eye Disease Study, an ancillary study of the Women's Health Initiative. <i>American Journal of Clinical Nutrition</i> , <b>2006</b> , 84, 1107-22	7	113

10	Carotenoid actions and their relation to health and disease. <i>Molecular Aspects of Medicine</i> , <b>2005</b> , 26, 459-516	5.1	884
9	Obesity, lutein metabolism, and age-related macular degeneration: a web of connections. <i>Nutrition Reviews</i> , <b>2005</b> , 63, 9-15	6.4	60
8	Nutritional manipulation of primate retinas, III: Effects of lutein or zeaxanthin supplementation on adipose tissue and retina of xanthophyll-free monkeys. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 692-702		159
7	Nutritional manipulation of primate retinas, I: effects of lutein or zeaxanthin supplements on serum and macular pigment in xanthophyll-free rhesus monkeys. <i>Investigative Ophthalmology and Visual Science</i> , <b>2004</b> , 45, 3234-43		96
6	A Biological Role of Lutein. <i>Food Reviews International</i> , <b>2004</b> , 20, 1-16	5.5	36
5	Lutein bioavailability is higher from lutein-enriched eggs than from supplements and spinach in men. <i>Journal of Nutrition</i> , <b>2004</b> , 134, 1887-93	4.1	207
4	The role of carotenoids in human health. <i>Nutrition in Clinical Care: an Official Publication of Tufts University</i> , <b>2002</b> , 5, 56-65		370
3	Relation among serum and tissue concentrations of lutein and zeaxanthin and macular pigment density. <i>American Journal of Clinical Nutrition</i> , <b>2000</b> , 71, 1555-62	7	241
2	Ingestion by men of a combined dose of beta-carotene and lycopene does not affect the absorption of beta-carotene but improves that of lycopene. <i>Journal of Nutrition</i> , <b>1997</b> , 127, 1833-7	4.1	66
1	Beta-carotene isomers in human serum, breast milk and buccal mucosa cells after continuous oral doses of all-trans and 9-cis beta-carotene. <i>Journal of Nutrition</i> , <b>1997</b> , 127, 1993-9	4.1	38