Elizabeth J Johnson

List of Publications by Year
in descending order

96	7,528	81743 39	64668 79
papers	citations	h-index	g-index

100	100	100	7110
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Carotenoid actions and their relation to health and disease. Molecular Aspects of Medicine, 2005, 26, 459-516.	2.7	1,076
2	The Role of Carotenoids in Human Health. Nutrition in Clinical Care: an Official Publication of Tufts University, 2002, 5, 56-65.	0.2	457
3	Role of lutein and zeaxanthin in visual and cognitive function throughout the lifespan. Nutrition Reviews, 2014, 72, 605-612.	2.6	299
4	Xanthophyll (lutein, zeaxanthin) content in fruits, vegetables and corn and egg products. Journal of Food Composition and Analysis, 2009, 22, 9-15.	1.9	292
5	Relation among serum and tissue concentrations of lutein and zeaxanthin and macular pigment density. American Journal of Clinical Nutrition, 2000, 71, 1555-1562.	2.2	274
6	Dietary cholesterol and cardiovascular disease: a systematic review and meta-analysis. American Journal of Clinical Nutrition, 2015, 102, 276-294.	2.2	264
7	Lutein Bioavailability Is Higher from Lutein-Enriched Eggs than from Supplements and Spinach in Men. Journal of Nutrition, 2004, 134, 1887-1893.	1.3	248
8	Cognitive findings of an exploratory trial of docosahexaenoic acid and lutein supplementation in older women. Nutritional Neuroscience, 2008, 11, 75-83.	1.5	242
9	Relationship between Serum and Brain Carotenoids,<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi mathvariant="bold-italic">Î±</mml:mi></mml:mrow></mml:math>-Tocopherol, and Retinol Concentrations and Cognitive Performance in the Oldest Old from the Georgia Centenarian Study. Journal of Aging Research, 2013, 2013, 1-13.	0.4	213
10	Lutein and zeaxanthin supplementation reduces photooxidative damage and modulates the expression of inflammation-related genes in retinal pigment epithelial cells. Free Radical Biology and Medicine, 2012, 53, 1298-1307.	1.3	196
11	Nutritional Manipulation of Primate Retinas, III: Effects of Lutein or Zeaxanthin Supplementation on Adipose Tissue and Retina of Xanthophyll-Free Monkeys. , 2005, 46, 692.		186
12	A possible role for lutein and zeaxanthin in cognitive function in the elderly. American Journal of Clinical Nutrition, 2012, 96, 1161S-1165S.	2.2	164
13	Nutritional Manipulation of Primate Retinas, V: Effects of Lutein, Zeaxanthin, andnâ€“3 Fatty Acids on Retinal Sensitivity to Blue-Lightâ€“Induced Damage. , 2011, 52, 3934.		152
14	Clinical Trial of Lutein in Patients With Retinitis Pigmentosa Receiving Vitamin A. JAMA Ophthalmology, 2010, 128, 403.	2.6	150
15	Lutein and Preterm Infants With Decreased Concentrations of Brain Carotenoids. Journal of Pediatric Gastroenterology and Nutrition, 2014, 59, 659-665.	0.9	136
16	Intrinsic and Extrinsic Factors Impacting Absorption, Metabolism, and Health Effects of Dietary Carotenoids. Advances in Nutrition, 2018, 9, 465-492.	2.9	135
17	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 Womenâ€™s Health Initiative. American Journal of Clinical Nutrition, 2006, 84, 1107-1122.	2.2	129
18	Macular lutein and zeaxanthin are related to brain lutein and zeaxanthin in primates. Nutritional Neuroscience, 2013, 16, 21-29.	1.5	125

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19	The influence of supplemental lutein and docosahexaenoic acid on serum, lipoproteins, and macular pigmentation. American Journal of Clinical Nutrition, 2008, 87, 1521-1529.	2.2	120
20	Effect of dietary lutein and zeaxanthin on plasma carotenoids and their transport in lipoproteins in age-related macular degeneration. American Journal of Clinical Nutrition, 2007, 85, 762-769.	2.2	112
21	Macular pigment optical density is related to cognitive function in older people. Age and Ageing, 2014, 43, 271-275.	0.7	111
22	Genetic Evidence for Role of Carotenoids in Age-Related Macular Degeneration in the Carotenoids in Age-Related Eye Disease Study (CAREDS). , 2014, 55, 587.		109
23	Nutritional Manipulation of Primate Retinas, I: Effects of Lutein or Zeaxanthin Supplements on Serum and Macular Pigment in Xanthophyll-Free Rhesus Monkeys. , 2004, 45, 3234.		107
24	Intake of Lutein and Zeaxanthin Differ with Age, Sex, and Ethnicity. Journal of the American Dietetic Association, 2010, 110, 1357-1362.	1.3	100
25	Site-specific concentrations of carotenoids in adipose tissue: relations with dietary and serum carotenoid concentrations in healthy adults. American Journal of Clinical Nutrition, 2009, 90, 533-539.	2.2	99
26	Dietary guidance for lutein: consideration for intake recommendations is scientifically supported. European Journal of Nutrition, 2017, 56, 37-42.	1.8	87
27	The Role of Phytonutrients in Skin Health. Nutrients, 2010, 2, 903-928.	1.7	85
28	Potential role of dietary nâˆ’3 fatty acids in the prevention of dementia and macular degeneration. American Journal of Clinical Nutrition, 2006, 83, 1494S-1498S.	2.2	82
29	Ingestion by Men of a Combined Dose of Î²-Carotene and Lycopene Does Not Affect the Absorption of Î²-Carotene but Improves That of Lycopene , ,. Journal of Nutrition, 1997, 127, 1833-1837.	1.3	81
30	Lutein and Brain Function. Foods, 2015, 4, 547-564.	1.9	81
31	Genetic Determinants of Macular Pigments in Women of the Carotenoids in Age-Related Eye Disease Study. , 2013, 54, 2333.		78
32	Macular pigment carotenoids in the retina and occipital cortex are related in humans. Nutritional Neuroscience, 2016, 19, 95-101.	1.5	78
33	Obesity, Lutein Metabolism, and Age-Related Macular Degeneration: A Web of Connections. Nutrition Reviews, 2005, 63, 9-15.	2.6	74
34	Determination of Carotenoids in Yellow Maize, the Effects of Saponification and Food Preparations. International Journal for Vitamin and Nutrition Research, 2008, 78, 112-120.	0.6	62
35	Doseâ€“Response Relation between Tea Consumption and Risk of Cardiovascular Disease and All-Cause Mortality: A Systematic Review and Meta-Analysis of Population-Based Studies. Advances in Nutrition, 2020, 11, 790-814.	2.9	61
36	Exploratory Metabolomic Analyses Reveal Compounds Correlated with Lutein Concentration in Frontal Cortex, Hippocampus, and Occipital Cortex of Human Infant Brain. PLoS ONE, 2015, 10, e0136904.	1.1	56

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37	Macular Pigment Optical Density in the Elderly: Findings in a Large Biracial Midsouth Population Sample. , 2007, 48, 1458.		52
38	Dietary Bioactives: Establishing a Scientific Framework for Recommended Intakes. Advances in Nutrition, 2015, 6, 1-4.	2.9	52
39	Î²-Carotene Isomers in Human Serum, Breast Milk and Buccal Mucosa Cells after Continuous Oral Doses of All-Trans and 9-Cis Î²-Carotene , ,. Journal of Nutrition, 1997, 127, 1993-1999.	1.3	51
40	Avocado Consumption Increases Macular Pigment Density in Older Adults: A Randomized, Controlled Trial. Nutrients, 2017, 9, 919.	1.7	51
41	Almond Consumption and Risk Factors for Cardiovascular Disease: A Systematic Review and Meta-analysis of Randomized Controlled Trials. Advances in Nutrition, 2019, 10, 1076-1088.	2.9	49
42	Lutein across the Lifespan: From Childhood Cognitive Performance to the Aging Eye and Brain. Current Developments in Nutrition, 2019, 3, nzz066.	0.1	47
43	Avocado consumption and risk factors for heart disease: a systematic review and meta-analysis. American Journal of Clinical Nutrition, 2018, 107, 523-536.	2.2	45
44	A Biological Role of Lutein. Food Reviews International, 2004, 20, 1-16.	4.3	42
45	A Comparison of Carotenoids, Retinoids, and Tocopherols in the Serum and Buccal Mucosa of Chronic Cigarette Smokers versus Nonsmokers. Cancer Epidemiology Biomarkers and Prevention, 2006, 15, 993-999.	1.1	41
46	Age-related macular degeneration and antioxidant vitamins: recent findings. Current Opinion in Clinical Nutrition and Metabolic Care, 2010, 13, 28-33.	1.3	41
47	Lutein accumulates in subcellular membranes of brain regions in adult rhesus macaques: Relationship to DHA oxidation products. PLoS ONE, 2017, 12, e0186767.	1.1	38
48	Lutein, zeaxanthin, meso-zeaxanthin content in egg yolk and their absence in fish and seafood. Journal of Food Composition and Analysis, 2012, 27, 139-144.	1.9	37
49	The selective retention of lutein, meso-zeaxanthin and zeaxanthin in the retina of chicks fed a xanthophyll-free diet. Experimental Eye Research, 2007, 84, 591-598.	1.2	35
50	Serum Carotenoids and Risk of Age-Related Macular Degeneration in a Chinese Population Sample. , 2011, 52, 4338.		31
51	Lutein Is Differentially Deposited across Brain Regions following Formula or Breast Feeding of Infant Rhesus Macaques. Journal of Nutrition, 2018, 148, 31-39.	1.3	30
52	Nutrients for the aging eye. Clinical Interventions in Aging, 2013, 8, 741.	1.3	27
53	Maternal diet quality during pregnancy and child cognition and behavior in a US cohort. American Journal of Clinical Nutrition, 2022, 115, 128-141.	2.2	27
54	Relationship between Concentrations of Lutein and StARD3 among Pediatric and Geriatric Human Brain Tissue. PLoS ONE, 2016, 11, e0155488.	1.1	27

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55	Supplementation with lutein or lutein plus green tea extracts does not change oxidative stress in adequately nourished older adults. Journal of Nutritional Biochemistry, 2010, 21, 544-549.	1.9	24
56	Parahippocampal Cortex Mediates the Relationship between Lutein and Crystallized Intelligence in Healthy, Older Adults. Frontiers in Aging Neuroscience, 2016, 8, 297.	1.7	23
57	Effect of Carotenoid Supplemented Formula on Carotenoid Bioaccumulation in Tissues of Infant Rhesus Macaques: A Pilot Study Focused on Lutein. Nutrients, 2017, 9, 51.	1.7	23
58	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. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 306-314.	1.7	23
59	Lutein and Age-Related Ocular Disorders in the Older Adult. Journal of Nutrition in Gerontology and Geriatrics, 2007, 26, 139-157.	1.0	22
60	Effects of Intake of Apples, Pears, or Their Products on Cardiometabolic Risk Factors and Clinical Outcomes: A Systematic Review and Meta-Analysis. Current Developments in Nutrition, 2019, 3, nzz109.	0.1	21
61	Perspective: The Role of Beverages as a Source of Nutrients and Phytonutrients. Advances in Nutrition, 2020, 11, 507-523.	2.9	21
62	The Relationship of Macular Pigment Optical Density to Serum Lutein in Retinitis Pigmentosa. , 2010, 51, 1086.		20
63	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. Journal of Nutrition, 2021, 151, 615-627.	1.3	20
64	A Pilot Randomized Controlled Trial of a New Supplementary Food Designed to Enhance Cognitive Performance during Prevention and Treatment of Malnutrition in Childhood. Current Developments in Nutrition, 2017, 1, e000885.	0.1	19
65	Clinico-Neuropathological Findings in the Oldest Old from the Georgia Centenarian Study. Journal of Alzheimer's Disease, 2019, 70, 35-49.	1.2	19
66	Metabolism of lutein and zeaxanthin in rhesus monkeys: Identification of (3R,6â€²R)- and (3R,6â€²S)-3â€²-dehydro-lutein as common metabolites and comparison to humans. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2008, 151, 70-78.	0.7	18
67	Xanthophylls. Advances in Nutrition, 2018, 9, 160-162.	2.9	18
68	Validation of a Dietary Screening Tool in a Middle-Aged Appalachian Population. Nutrients, 2018, 10, 345.	1.7	18
69	The naturally occurringÎ±-tocopherol stereoisomer RRR-Î±-tocopherol is predominant in the human infant brain. British Journal of Nutrition, 2016, 116, 126-131.	1.2	17
70	Lutein/zeaxanthin intake and visual outcomes in adults with healthy eyes: Qualitative gap analysis. Cogent Medicine, 2019, 6, 1683939.	0.7	17
71	The association between macular pigment optical density and visual function outcomes: a systematic review and meta-analysis. Eye, 2021, 35, 1620-1628.	1.1	17
72	Effects of daily almond consumption for six months on cognitive measures in healthy middle-aged to older adults: a randomized control trial. Nutritional Neuroscience, 2022, 25, 1466-1476.	1.5	17

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73	Concentrations of Circulating Phylloquinone,but Not Cerebral Menaquinone-4, Are Positively Correlated with a Wide Range of Cognitive Measures: Exploratory Findings in Centenarians. Journal of Nutrition, 2020, 150, 82-90.	1.3	13
74	Walnut intake, cognitive outcomes and risk factors: a systematic review and meta-analysis. Annals of Medicine, 2021, 53, 972-998.	1.5	12
75	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. Journal of Nutrition, 2020, 150, 3269-3279.	1.3	11
76	Carotenoid-Rich Brain Nutrient Pattern Is Positively Correlated With Higher Cognition and Lower Depression in the Oldest Old With No Dementia. Frontiers in Nutrition, 2021, 8, 704691.	1.6	10
77	Lutein and Zeaxanthin and Eye Disease. , 2013, , 215-235.		10
78	Daily almond consumption in cardiovascular disease prevention via LDL-C change in the U.S. population: a cost-effectiveness analysis. BMC Public Health, 2020, 20, 558.	1.2	9
79	Lutein and Cognition Across the Lifespan. Nutrition Today, 2017, 52, 183-189.	0.6	8
80	Potato consumption and risk of cardio-metabolic diseases: evidence mapping of observational studies. Systematic Reviews, 2020, 9, 274.	2.5	8
81	The Subcellular Distribution of Alpha-Tocopherol in the Adult Primate Brain and Its Relationship with Membrane Arachidonic Acid and Its Oxidation Products. Antioxidants, 2017, 6, 97.	2.2	7
82	Bioavailability of AREDS1 micronutrients from softgel capsules and tablets: a pilot study. Molecular Vision, 2014, 20, 1228-42.	1.1	7
83	Fat-Soluble Vitamins. World Review of Nutrition and Dietetics, 2015, 111, 38-44.	0.1	6
84	Brain xanthophyll content and exploratory gene expression analysis: subspecies differences in rhesus macaque. Genes and Nutrition, 2017, 12, 9.	1.2	6
85	Beyond Nutrient Deficiencyâ€"Opportunities to Improve Nutritional Status and Promote Health Modernizing DRIs and Supplementation Recommendations. Nutrients, 2021, 13, 1844.	1.7	6
86	Closer to clarity on the effect of lipid consumption on fat-soluble vitamin and carotenoid absorption: do we need to close in further?. American Journal of Clinical Nutrition, 2017, 106, 969-970.	2.2	3
87	Something New Under the Sun: Luteinâ€™s Role in Skin Health. American Journal of Lifestyle Medicine, 2009, 3, 349-352.	0.8	2
88	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. FASEB Journal, 2016, 30, 913.8.	0.2	1
89	Lutein and Zeaxanthin in Red Blood Cells as a Measure of Their Status in Humans. FASEB Journal, 2010, 24, 92.3.	0.2	0
90	Î±â€Tocopherol absorption into a threeâ€dimensional human skin tissue model. FASEB Journal, 2012, 26, 1019.2.	0.2	0

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91	The photoprotective effects of almond phytonutrients in a threeâ€dimensional human skin tissue model. FASEB Journal, 2012, 26, 823.23.	0.2	0
92	Nutrition and the Aging Eye. , 2015, , 57-79.		0
93	Lutein and DHA Coâ€localize in Cell Membranes of Brain Regions Controlling Cognition in the Rhesus Macaque. FASEB Journal, 2016, 30, 689.2.	0.2	0
94	Choline and its metabolites are differentially associated with cardiometabolic risk and cardioâ€and cerebroâ€vascular disease. FASEB Journal, 2016, 30, 904.18.	0.2	0
95	Low Plasma Carotene Concentrations Are Associated with an Increased Risk of Acute Coronary Syndrome in a Korean Population. FASEB Journal, 2017, 31, 635.3.	0.2	0
96	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. FASEB Journal, 2017, 31, 170.3.	0.2	0