

# Kyung-Jin Yeum

## List of Publications by Year in descending order

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92  
papers

4,065  
citations

136740

32  
h-index

118652

62  
g-index

96  
all docs

96  
docs citations

96  
times ranked

5519  
citing authors

#	ARTICLE	IF	CITATIONS
1	CAROTENOID BIOAVAILABILITY AND BIOCONVERSION. Annual Review of Nutrition, 2002, 22, 483-504.	4.3	481
2	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
3	Dietary Anthocyanins against Obesity and Inflammation. Nutrients, 2017, 9, 1089.	1.7	227
4	Carotenoid radical interactions. Biochemical and Biophysical Research Communications, 2003, 305, 754-760.	1.0	215
5	Biomarkers of antioxidant capacity in the hydrophilic and lipophilic compartments of human plasma. Archives of Biochemistry and Biophysics, 2004, 430, 97-103.	1.4	192
6	The carbonyl scavenger carnosine ameliorates dyslipidaemia and renal function in Zucker obese rats. Journal of Cellular and Molecular Medicine, 2011, 15, 1339-1354.	1.6	159
7	Modification of lymphocyte DNA damage by carotenoid supplementation in postmenopausal women. American Journal of Clinical Nutrition, 2006, 83, 163-169.	2.2	123
8	Fat-soluble nutrient concentrations in different layers of human cataractous lens. Current Eye Research, 1999, 19, 502-505.	0.7	103
9	A method to measure the oxidizability of both the aqueous and lipid compartments of plasma. Free Radical Biology and Medicine, 2001, 31, 1043-1050.	1.3	99
10	Relationship of Plasma Carotenoids, Retinol and Tocopherols in Mothers and Newborn Infants. Journal of the American College of Nutrition, 1998, 17, 442-447.	1.1	90
11	Impact of Volatile Anesthetics on Oxidative Stress and Inflammation. BioMed Research International, 2015, 2015, 1-8.	0.9	85
12	Lycopene supplementation modulates plasma concentrations and epididymal adipose tissue mRNA of leptin, resistin and IL-6 in diet-induced obese rats. British Journal of Nutrition, 2013, 110, 1803-1809.	1.2	83
13	Lutein and zeaxanthin supplementation reduces H <sub>2</sub> O <sub>2</sub> -induced oxidative damage in human lens epithelial cells. Molecular Vision, 2011, 17, 3180-90.	1.1	80
14	Correlation between Carotenoid Concentrations in Serum and Normal Breast Adipose Tissue of Women with Benign Breast Tumor or Breast Cancer. Journal of Nutrition, 1998, 128, 1920-1926.	1.3	76
15	Profiling histidine dipeptides in plasma and urine after ingesting beef, chicken or chicken broth in humans. Amino Acids, 2010, 38, 847-858.	1.2	75
16	Impact of calcium and vitamin D insufficiencies on serum parathyroid hormone and bone mineral density: Analysis of the fourth and fifth Korea National Health and Nutrition Examination Survey (KNHANES IV-3, 2009 and KNHANES V-1, 2010). Journal of Bone and Mineral Research, 2013, 28, 764-770.	3.1	72
17	Chronic and acute effects of walnuts on antioxidant capacity and nutritional status in humans: a randomized, cross-over pilot study. Nutrition Journal, 2010, 9, 21.	1.5	71
18	Implications of red Panax ginseng in oxidative stress associated chronic diseases. Journal of Ginseng Research, 2017, 41, 113-119.	3.0	66

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19	Synergistic interactions of antioxidant nutrients in a biological model system. <i>Nutrition</i> , 2009, 25, 839-846.	1.1	65
20	Plasma antioxidant capacity in response to diets high in soy or animal protein with or without isoflavones. <i>American Journal of Clinical Nutrition</i> , 2005, 81, 43-49.	2.2	63
21	Determination of Carotenoids in Yellow Maize, the Effects of Saponification and Food Preparations. <i>International Journal for Vitamin and Nutrition Research</i> , 2008, 78, 112-120.	0.6	62
22	Total antioxidant performance: A validated fluorescence assay for the measurement of plasma oxidizability. <i>Analytical Biochemistry</i> , 2006, 354, 290-298.	1.1	60
23	The effect of Î±-tocopherol on the oxidative cleavage of Î²-carotene. <i>Free Radical Biology and Medicine</i> , 2000, 29, 105-114.	1.3	59
24	The Activities of Antioxidant Nutrients in Human Plasma Depend on the Localization of Attacking Radical Species. <i>Journal of Nutrition</i> , 2003, 133, 2688-2691.	1.3	59
25	Tissue Distribution of Lycopene in Ferrets and Rats after Lycopene Supplementation. <i>Journal of Nutrition</i> , 2000, 130, 1256-1260.	1.3	56
26	Composition and stability of phytochemicals in five varieties of black soybeans ( <i>Glycine max</i> ). <i>Food Chemistry</i> , 2010, 123, 1176-1184.	4.2	51
27	Phytonutrients affecting hydrophilic and lipophilic antioxidant activities in fruits, vegetables and legumes. <i>Journal of the Science of Food and Agriculture</i> , 2007, 87, 1096-1107.	1.7	45
28	Biological functions of histidine-dipeptides and metabolic syndrome. <i>Nutrition Research and Practice</i> , 2014, 8, 3.	0.7	45
29	Impact of Geographic Location on Vitamin D Status and Bone Mineral Density. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 184.	1.2	39
30	The effects of combined antioxidant (Î²-carotene, Î±-tocopherol and ascorbic acid) supplementation on antioxidant capacity, DNA single-strand breaks and levels of insulin-like growth factor-1/IGF-binding protein 3 in the ferret model of lung cancer. <i>International Journal of Cancer</i> , 2007, 120, 1847-1854.	2.3	36
31	Novel molecular approaches for improving enzymatic and nonenzymatic detoxification of 4-hydroxynonenal: toward the discovery of a novel class of bioactive compounds. <i>Free Radical Biology and Medicine</i> , 2014, 69, 145-156.	1.3	36
32	Antioxidant/Pro-oxidant Actions of Carotenoids. , 2009, , 235-268.		35
33	Enzymatic and oxidative metabolites of lycopene. <i>Journal of Nutritional Biochemistry</i> , 2004, 15, 493-502.	1.9	34
34	Enzymatic and oxidative metabolites of lycopeneâ€”Supported in part by a grant from BASF, by Fundacao para o Desenvolvimento da Unesp, FUNDUNESP, Sao Paulo, SP, Brazil under a contract number 111/2000-DFP, and by the U.S. Department of Agriculture, under agreement No. 581950-9-001. Any opinions, findings, conclusion, or recommendations expressed in this publication are those of the author(s) and do not necessarily reflect the view of the U.S. Dept of Agriculture.. <i>Journal of Nutritional Biochemistry</i> , 2003, 14, 531-540.	1.9	33
35	Characterisation, extraction efficiency, stability and antioxidant activity of phytonutrients in <i>Angelica keiskei</i> . <i>Food Chemistry</i> , 2009, 115, 227-232.	4.2	33
36	(âˆ“)â€”Epigallocatechin-(3)-gallate prevents oxidative damage in both the aqueous and lipid compartments of human plasma. <i>Biochemical and Biophysical Research Communications</i> , 2003, 302, 409-414.	1.0	31

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37	An integrated high resolution mass spectrometric and informatics approach for the rapid identification of phenolics in plant extract. <i>Journal of Chromatography A</i> , 2011, 1218, 2856-2864.	1.8	31
38	Doxorubicin as an antioxidant: Maintenance of myocardial levels of lycopene under doxorubicin treatment. <i>Free Radical Biology and Medicine</i> , 2007, 43, 740-751.	1.3	30
39	Elevated serum ferritin and mercury concentrations are associated with hypertension; analysis of the fourth and fifth Korea national health and nutrition examination survey (KNHANES IV-2, 3, 2008-2009) <i>Tj ETQq1 1 0.784314 agBT /Ov</i>	0.7	29
40	Carotenoids and total phenolic contents in plant foods commonly consumed in Korea. <i>Nutrition Research and Practice</i> , 2012, 6, 481.	0.7	29
41	Hemoglobin glutathionylation can occur through cysteine sulfenic acid intermediate: Electrospray ionization LTQ-Orbitrap hybrid mass spectrometry studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3456-3461.	1.2	27
42	Isoflurane and Propofol Contribute to Increasing the Antioxidant Status of Patients During Minor Elective Surgery. <i>Medicine (United States)</i> , 2015, 94, e1266.	0.4	26
43	Postprandial Plasma Carotenoid Responses Following Consumption of Strawberries, Red Wine, Vitamin C or Spinach by Elderly Women. <i>Journal of Nutrition</i> , 1998, 128, 2391-2394.	1.3	25
44	Total Antioxidant Performance Is Associated with Diet and Serum Antioxidants in Participants of the Diet and Physical Activity Substudy of the Jackson Heart Study. <i>Journal of Nutrition</i> , 2009, 139, 1964-1971.	1.3	24
45	A fluorometric assay to determine antioxidant activity of both hydrophilic and lipophilic components in plant foods. <i>Journal of Nutritional Biochemistry</i> , 2009, 20, 219-226.	1.9	24
46	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> , 2010, 21, 544-549.	1.9	24
47	Targeting Reactive Carbonyl Species with Natural Sequestering Agents. <i>Molecules</i> , 2016, 21, 280.	1.7	22
48	Black Rice with Giant Embryo Attenuates Obesity-Associated Metabolic Disorders in ob/ob Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2492-2497.	2.4	21
49	Fat-Soluble Bioactive Components in Colored Rice Varieties. <i>Journal of Medicinal Food</i> , 2014, 17, 1134-1141.	0.8	20
50	Vitamin A Intake, Serum Vitamin D and Bone Mineral Density: Analysis of the Korea National Health and Nutrition Examination Survey (KNHANES, 2008-2011). <i>Nutrients</i> , 2015, 7, 1716-1727.	1.7	20
51	Bioactives in Commonly Consumed Cereal Grains: Implications for Oxidative Stress and Inflammation. <i>Journal of Medicinal Food</i> , 2015, 18, 1179-1186.	0.8	20
52	Balanced anesthesia with sevoflurane does not alter redox status in patients undergoing surgical procedures. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014, 773, 29-33.	0.9	19
53	High-frequency oscillatory ventilation attenuates oxidative lung injury in a rabbit model of acute lung injury. <i>Experimental Biology and Medicine</i> , 2011, 236, 1188-1196.	1.1	18
54	Retinoids, Carotenoids, and Tocopherols in Breast Adipose Tissue and Serum of Benign Breast Disease and Breast Cancer Patients. <i>Nutrition and Cancer</i> , 2012, 64, 956-963.	0.9	17

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55	25-Hydroxyvitamin D, Calcium Intake, and Bone Mineral Content in Adolescents and Young Adults: Analysis of the Fourth and Fifth Korea National Health and Nutrition Examination Survey (KNHANES). <i>Trends in Food Science and Technology</i> , 2017, 17, 107-114.	1.0	14
56	A novel high resolution MS approach for the screening of 4-hydroxy-trans-2-nonenal sequestering agents. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 91, 108-118.	1.4	17
57	Effects of Inhaled Nitric Oxide on Oxidative Stress and Histopathological and Inflammatory Lung Injury in a Saline-Lavaged Rabbit Model of Acute Lung Injury. <i>Respiratory Care</i> , 2012, 57, 273-281.	0.8	16
58	Biomarkers for oxidative stress in acute lung injury induced in rabbits submitted to different strategies of mechanical ventilation. <i>Journal of Applied Physiology</i> , 2012, 112, 1184-1190.	1.2	16
59	Antiadipogenic Activity of $\gamma$ -Oryzanol and Its Stability in Pigmented Rice. <i>Journal of Medicinal Food</i> , 2016, 19, 710-715.	0.8	14
60	Black soybeans protect human keratinocytes from oxidative stress-induced cell death. <i>Food Science and Nutrition</i> , 2018, 6, 2423-2430.	1.5	14
61	Plasma levels of retinoids, carotenoids and tocopherols in patients with mild obstructive sleep apnoea. <i>Respirology</i> , 2009, 14, 1134-1142.	1.3	13
62	Determination of 9-cis $\beta$ -carotene and $\alpha$ -carotene in biological samples. <i>Journal of Nutritional Biochemistry</i> , 2008, 19, 612-618.	1.9	10
63	Bioavailability of plant pigment phytochemicals in <i>Angelica keiskei</i> in older adults: A pilot absorption kinetic study. <i>Nutrition Research and Practice</i> , 2014, 8, 550.	0.7	9
64	Cut-off values of blood mercury concentration in relation to increased body mass index and waist circumference in Koreans. <i>Journal of Investigative Medicine</i> , 2016, 64, 867-871.	0.7	9
65	Fat Mass Is Associated with Serum 25-Hydroxyvitamin D Concentration Regardless of Body Size in Men. <i>Nutrients</i> , 2018, 10, 850.	1.7	9
66	Interactive effects of mechanical ventilation, inhaled nitric oxide and oxidative stress in acute lung injury. <i>Respiratory Physiology and Neurobiology</i> , 2014, 190, 118-123.	0.7	8
67	Dietary Calcium and Framingham Risk Score in Vitamin D Deficient Male (KNHANES 2009-2011). <i>Yonsei Medical Journal</i> , 2015, 56, 845.	0.9	8
68	Enhanced Antioxidant Activity of Bioactives in Colored Grains by Nano-Carriers in Human Lens Epithelial Cells. <i>Molecules</i> , 2018, 23, 1327.	1.7	8
69	Pharmacological dose of $\alpha$ -tocopherol induces cardiotoxicity in Wistar rats determined by echocardiography and histology. <i>Human and Experimental Toxicology</i> , 2011, 30, 1540-1548.	1.1	7
70	Isotopic labelling for the characterisation of HNE-sequestering agents in plant-based extracts and its application for the identification of anthocyanidins in black rice with giant embryo. <i>Free Radical Research</i> , 2018, 52, 896-906.	1.5	7
71	Peanut butter increases the bioavailability and bioconversion of kale $\beta$ -carotene to vitamin A. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2017, 26, 1039-1047.	0.3	6
72	Milk Consumption and Framingham Risk Score: Analysis of the Korea National Health and Nutrition Examination Survey Data (2008-2011). <i>Yonsei Medical Journal</i> , 2016, 57, 197.	0.9	5

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73	Oat ( <i>Avena sativa</i> ) Extract against Oxidative Stress-Induced Apoptosis in Human Keratinocytes. <i>Molecules</i> , 2021, 26, 5564.	1.7	5
74	Dietary Calcium Intake May Contribute to the HOMA-IR Score in Korean Females with Vitamin D Deficiency (2008–2012 Korea National Health and Nutrition Examination Survey). <i>Journal of Obesity and Metabolic Syndrome</i> , 2017, 26, 274-280.	1.5	4
75	Biological Functions of Plant Pigment Phytochemicals in Humans. , 2014, , 4023-4045.		3
76	Effect of Feeding and Then Depleting a High Fruit and Vegetable Diet on Oxidizability in Human Serum. , 2005, , .		3
77	Black rice with giant embryo ameliorates serum C-reactive protein in adults with metabolic syndrome. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2020, 67, 344-348.	0.6	3
78	Blood Mercury Can Be a Factor of Elevated Serum Ferritin: Analysis of Korea National Health and Nutrition Examination Survey (KNHANES 2008–2012). <i>Biological Trace Element Research</i> , 2015, 164, 3-7.	1.9	1
79	Growth and Carotenoid Contents of Intercropped Vegetables in Building-Integrated Urban Agriculture. <i>Journal of Food Quality</i> , 2021, 2021, 1-9.	1.4	1
80	Peanut butter increases kale $\beta$ -carotene absorption and conversion to vitamin A in pre-school children (LB417). <i>FASEB Journal</i> , 2014, 28, LB417.	0.2	1
81	Identification of Enzymatic Cleavage Products of $\beta$ -Carotene-Rich Extracts of Kale and Biofortified Maize. <i>International Journal for Vitamin and Nutrition Research</i> , 2017, 87, 279-286.	0.6	1
82	Effects of nutrition and hygiene education program on healthy eating habits and behavior of the elderly in Chungbuk. <i>Journal of Nutrition and Health</i> , 2022, 55, 390.	0.2	1
83	Effect of Doxorubicin on Myocardial Concentration of Lycopene and its Metabolism in Wistar rats. <i>FASEB Journal</i> , 2007, 21, A350.	0.2	0
84	Antioxidative Effects of Carotenoids. <i>Basic and Clinical Dermatology</i> , 2007, , 271-290.	0.1	0
85	English walnuts ( <i>Juglans regia</i> L.) protect endogenous antioxidants in humans. <i>FASEB Journal</i> , 2009, 23, .	0.2	0
86	Pharmacological Dose of $\alpha$ -Tocopherol Induces Cardiotoxicity in Wistar Rats Determined by Echocardiography and Histology. <i>FASEB Journal</i> , 2010, 24, 927.11.	0.2	0
87	Time-course of doxorubicin-induced cardiotoxicity in rats. Morphological study. <i>FASEB Journal</i> , 2011, 25, 975.13.	0.2	0
88	$\beta$ -Oryzanol inhibits the adipogenesis of adipose-derived human mesenchymal stem cells. <i>FASEB Journal</i> , 2013, 27, lb246.	0.2	0
89	Tomato lycopene supplementation modulates leptin, resistin and IL-6 levels in diet-induced obese rats. <i>FASEB Journal</i> , 2013, 27, lb243.	0.2	0
90	Bioactive micronutrients in rice varieties and their extraction efficiency. <i>FASEB Journal</i> , 2013, 27, 1079.37.	0.2	0

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91	Effect of storage temperature on the stability of fat-soluble micronutrients in rice varieties. FASEB Journal, 2013, 27, 1079.41.	0.2	0
92	Chicken consumption and insulin resistance in non-diabetic older adults. Journal of Nutrition and Health, 2020, 53, 356.	0.2	0