

# Iris F Benzie

## List of Publications by Citations

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66

papers

15,066

citations

28

h-index

66

g-index

66

ext. papers

16,963

ext. citations

4

avg, IF

6.65

L-index

#	Paper	IF	Citations
66	The ferric reducing ability of plasma (FRAP) as a measure of "antioxidant power": the FRAP assay. <i>Analytical Biochemistry</i> , <b>1996</b> , 239, 70-6	3.1	12352
65	Total antioxidant capacity of teas by the ferric reducing/antioxidant power assay. <i>Journal of Agricultural and Food Chemistry</i> , <b>1999</b> , 47, 633-6	5.7	469
64	Total antioxidant and ascorbic acid content of fresh fruits and vegetables: implications for dietary planning and food preservation. <i>British Journal of Nutrition</i> , <b>2002</b> , 87, 55-9	3.6	231
63	The comet assay as a tool for human biomonitoring studies: the ComNet project. <i>Mutation Research - Reviews in Mutation Research</i> , <b>2014</b> , 759, 27-39	7	159
62	Effects of a long-term vegetarian diet on biomarkers of antioxidant status and cardiovascular disease risk. <i>Nutrition</i> , <b>2004</b> , 20, 863-6	4.8	119
61	The effect of cooking on Brassica vegetables. <i>Food Chemistry</i> , <b>2008</b> , 110, 706-710	8.5	116
60	Acute hyperglycemia and oxidative stress: direct cause and effect?. <i>Free Radical Biology and Medicine</i> , <b>2008</b> , 44, 1217-31	7.8	104
59	Ganoderma lucidum ("Lingzhi"), a Chinese medicinal mushroom: biomarker responses in a controlled human supplementation study. <i>British Journal of Nutrition</i> , <b>2004</b> , 91, 263-9	3.6	99
58	Plasma ascorbic acid: measurement, stability and clinical utility revisited. <i>Clinical Biochemistry</i> , <b>2001</b> , 34, 623-7	3.5	74
57	Antioxidant protection of edible oils. <i>Plant Foods for Human Nutrition</i> , <b>2007</b> , 62, 39-42	3.9	65
56	Fasting plasma zeaxanthin response to Fructus barbarum L. (wolfberry; Kei Tze) in a food-based human supplementation trial. <i>British Journal of Nutrition</i> , <b>2005</b> , 93, 123-30	3.6	61
55	Effects of dietary antioxidants on human DNA ex vivo. <i>Free Radical Research</i> , <b>2002</b> , 36, 113-8	4	58
54	An automated, specific, spectrophotometric method for measuring ascorbic acid in plasma (EFTSA). <i>Clinical Biochemistry</i> , <b>1996</b> , 29, 111-6	3.5	52
53	Enhanced bioavailability of zeaxanthin in a milk-based formulation of wolfberry (Gou Qi Zi; Fructus barbarum L.). <i>British Journal of Nutrition</i> , <b>2006</b> , 96, 154-60	3.6	50
52	Ganoderma lucidum (Lingzhi); acute and short-term biomarker response to supplementation. <i>International Journal of Food Sciences and Nutrition</i> , <b>2004</b> , 55, 75-83	3.7	49
51	Hydrogen peroxide in urine as a potential biomarker of whole body oxidative stress. <i>Free Radical Research</i> , <b>2003</b> , 37, 1209-13	4	49
50	Effect of Panax ginseng supplementation on biomarkers of glucose tolerance, antioxidant status and oxidative stress in type 2 diabetic subjects: results of a placebo-controlled human intervention trial. <i>Diabetes, Obesity and Metabolism</i> , <b>2008</b> , 10, 1125-7	6.7	48

49	"Antioxidant" (reducing) efficiency of ascorbate in plasma is not affected by concentration. <i>Journal of Nutritional Biochemistry</i> , <b>1999</b> , 10, 146-50	6.3	47
48	Desacyl ghrelin prevents doxorubicin-induced myocardial fibrosis and apoptosis via the GHSR-independent pathway. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2014</b> , 306, E311-23	6	42
47	Antioxidant power of angiotensin-converting enzyme inhibitors in vitro. <i>British Journal of Clinical Pharmacology</i> , <b>1998</b> , 45, 168-9	3.8	40
46	Urine 8-oxo-7,8-dihydro-2Rdeoxyguanosine (8-oxodG), a specific marker of oxidative stress, using direct, isocratic LC-MS/MS: Method evaluation and application in study of biological variation in healthy adults. <i>Clinica Chimica Acta</i> , <b>2010</b> , 411, 416-22	6.2	37
45	Pain relief strategies used by older people with chronic pain: an exploratory survey for planning patient-centred intervention. <i>Journal of Clinical Nursing</i> , <b>2005</b> , 14, 315-20	3.2	36
44	Muscle apoptosis is induced in pressure-induced deep tissue injury. <i>Journal of Applied Physiology</i> , <b>2009</b> , 107, 1266-75	3.7	35
43	Inter-relationships between DNA damage, ascorbic acid and glycaemic control in Type 2 diabetes mellitus. <i>Diabetic Medicine</i> , <b>2005</b> , 22, 1347-53	3.5	35
42	Comparison of catechin profiles in human plasma and urine after single dosing and regular intake of green tea ( <i>Camellia sinensis</i> ). <i>British Journal of Nutrition</i> , <b>2013</b> , 109, 2199-207	3.6	34
41	Vegetarian diets and public health: biomarker and redox connections. <i>Antioxidants and Redox Signaling</i> , <b>2010</b> , 13, 1575-91	8.4	32
40	Antioxidant Activity of Chinese Medicinal Herbs. <i>Pharmaceutical Biology</i> , <b>2008</b> , 46, 587-595	3.8	31
39	Effect of one overnight wear of orthokeratology lenses on tear composition. <i>Optometry and Vision Science</i> , <b>2004</b> , 81, 414-20	2.1	30
38	Habitual exercise increases resistance of lymphocytes to oxidant-induced DNA damage by upregulating expression of antioxidant and DNA repairing enzymes. <i>Experimental Physiology</i> , <b>2011</b> , 96, 889-906	2.4	28
37	Plasma allantoin measurement by isocratic liquid chromatography with tandem mass spectrometry: method evaluation and application in oxidative stress biomonitoring. <i>Clinica Chimica Acta</i> , <b>2013</b> , 424, 237-44	6.2	27
36	Photoprotective potential of Cordyceps polysaccharides against ultraviolet B radiation-induced DNA damage to human skin cells. <i>British Journal of Dermatology</i> , <b>2011</b> , 164, 980-6	4	25
35	UV-Mediated DNA Strand Breaks in Corneal Epithelial Cells Assessed Using the Comet Assay Procedure. <i>Photochemistry and Photobiology</i> , <b>2005</b> , 81, 493	3.6	24
34	Role of tyrosinase in the genoprotective effect of the edible mushroom, <i>Agaricus bisporus</i> . <i>Life Sciences</i> , <b>2002</b> , 70, 1595-608	6.8	24
33	Genoprotective effects of green tea ( <i>Camellia sinensis</i> ) in human subjects: results of a controlled supplementation trial. <i>British Journal of Nutrition</i> , <b>2011</b> , 105, 171-9	3.6	22
32	Is the yin-yang nature of Chinese herbal medicine equivalent to antioxidation-oxidation?. <i>Journal of Ethnopharmacology</i> , <b>2006</b> , 108, 361-6	5	22

31	Opposing responses of apoptosis and autophagy to moderate compression in skeletal muscle. <i>Acta Physiologica</i> , <b>2011</b> , 201, 239-54	5.6	18
30	Acute post-ingestion changes in plasma ascorbic acid concentration: Relationship to dose and to existing body stores. <i>Nutrition Research</i> , <b>1997</b> , 17, 187-190	4	18
29	Investigation of corneal effect of different types of artificial tears in a simulated dry eye condition using a novel porcine dry eye model (pDEM). <i>Cornea</i> , <b>2006</b> , 25, 1200-4	3.1	18
28	Is ascorbate in human tears from corneal leakage or from lacrimal secretion?. <i>Australasian journal of optometry, The</i> , <b>2004</b> , 87, 24-7	2.7	18
27	Experiencing SARS: perspectives of the elderly residents and health care professionals in a Hong Kong nursing home. <i>Geriatric Nursing</i> , <b>2003</b> , 24, 266-9	2.1	18
26	Antioxidants in tears and plasma: Inter-relationships and effect of vitamin C supplementation. <i>Current Eye Research</i> , <b>2003</b> , 27, 55-60	2.9	18
25	Protective effect of caspase inhibition on compression-induced muscle damage. <i>Journal of Physiology</i> , <b>2011</b> , 589, 3349-69	3.9	16
24	Viability of porcine corneal epithelium ex vivo and effect of exposure to air: a pilot study for a dry eye model. <i>Cornea</i> , <b>2004</b> , 23, 715-9	3.1	15
23	Effect of Ganoderma lucidum on human DNA is dose dependent and mediated by hydrogen peroxide. <i>Redox Report</i> , <b>2005</b> , 10, 145-9	5.9	15
22	Glycohaemoglobin measurement: methodological differences in relation to interference by urea. <i>Acta Diabetologica</i> , <b>2002</b> , 39, 35-9	3.9	14
21	Genoprotection and genotoxicity of green tea (Camellia sinensis): Are they two sides of the same redox coin?. <i>Redox Report</i> , <b>2013</b> , 18, 150-4	5.9	13
20	A SNOMED supported ontological vector model for subclinical disorder detection using EHR similarity. <i>Engineering Applications of Artificial Intelligence</i> , <b>2011</b> , 24, 1398-1409	7.2	12
19	Comparison between phytoestrogens and estradiol in the prevention of atheroma in ovariectomized cholesterol-fed rabbits. <i>Climacteric</i> , <b>2006</b> , 9, 430-6	3.1	12
18	DNA protective effect of ginseng and the antagonistic effect of Chinese turnip: a preliminary study. <i>Plant Foods for Human Nutrition</i> , <b>2011</b> , 66, 97-100	3.9	11
17	Dry eye and blink rate simulation with a pig eye model. <i>Optometry and Vision Science</i> , <b>2008</b> , 85, 129-34	2.1	11
16	A novel porcine dry eye model system (pDEM) with simulated lacrimation/blinking system: preliminary findings on system variability and effect of corneal drying. <i>Current Eye Research</i> , <b>2004</b> , 28, 319-25	2.9	11
15	Effect of vitamin C supplementation on concentrations of vitamins C and E in fasting plasma. <i>Asia Pacific Journal of Clinical Nutrition</i> , <b>1999</b> , 8, 207-10	1	11
14	Cryopreservation and storage effects on cell numbers and DNA damage in human lymphocytes. <i>Biopreservation and Biobanking</i> , <b>2011</b> , 9, 343-7	2.1	10

13	Antioxidants in fruits and vegetables: a study of cellular availability and direct effects on human DNA. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2006</b> , 70, 2551-5	2.1	10
12	Heme oxygenase microsatellite polymorphism, oxidative stress, glycemic control, and complication development in type 2 diabetes patients. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 53, 60-3	7.8	9
11	L-DOPA oxidation products prevent H <sub>2</sub> O <sub>2</sub> -induced oxidative damage to cellular DNA. <i>Life Sciences</i> , <b>2002</b> , 71, 3047-57	6.8	9
10	Synthetic colourings of some snack foods consumed by primary school children aged 8-9 years in Hong Kong. <i>Food Additives and Contaminants: Part B Surveillance</i> , <b>2011</b> , 4, 162-7	3.3	8
9	Optimized noninvasive procedures to measure DNA damage in comet assay. <i>Human and Experimental Toxicology</i> , <b>2012</b> , 31, 1144-50	3.4	7
8	Relationship between caloric intake and pregnancy outcome in diet-treated gestational diabetes mellitus. <i>Australian Journal of Cancer Nursing</i> , <b>2005</b> , 7, 15-20	1.9	7
7	Diet and health: nursing perspective for the health of our aging population. <i>Australian Journal of Cancer Nursing</i> , <b>2004</b> , 6, 309-14	1.9	6
6	Affective images: relieving chronic pain and enhancing quality of life for older persons. <i>Cyberpsychology, Behavior and Social Networking</i> , <b>2005</b> , 8, 571-9		6
5	The effect of ascorbic acid on the measurement of total cholesterol and triglycerides: possible artefactual lowering in individuals with high plasma concentration of ascorbic acid. <i>Clinica Chimica Acta</i> , <b>1995</b> , 239, 185-90	6.2	6
4	Assessment of membrane protection by traditional Chinese medicines using a flow cytometric technique: preliminary findings. <i>Redox Report</i> , <b>2003</b> , 8, 31-3	5.9	5
3	Probe-assisted flow cytometric analysis of erythrocyte membrane response to site-specific oxidant stress. <i>Cytometry</i> , <b>2000</b> , 40, 182-8		5
2	DICOM-Based Multidisciplinary Platform for Clinical Decision Support: Needs and Direction. <i>Studies in Computational Intelligence</i> , <b>2008</b> , 191-212	0.8	2
1	UV-Mediated DNA Strand Breaks in Corneal Epithelial Cells Assessed Using the Comet Assay Procedure. <i>Photochemistry and Photobiology</i> , <b>2007</b> , 81, 493-497	3.6	1