

Susan J Fairweather-Tait

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

7,340
citations

57758

44
h-index

56724

83
g-index

103
all docs

103
docs citations

103
times ranked

9536
citing authors

#	ARTICLE	IF	CITATIONS
1	Selenium in Human Health and Disease. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 1337-1383.	5.4	1,003
2	Mediterranean diet intervention alters the gut microbiome in older people reducing frailty and improving health status: the NU-AGE 1-year dietary intervention across five European countries. <i>Gut</i> , 2020, 69, 1218-1228.	12.1	465
3	Selenium bioavailability: current knowledge and future research requirements. <i>American Journal of Clinical Nutrition</i> , 2010, 91, 1484S-1491S.	4.7	330
4	Selenium biofortification of high-yielding winter wheat (<i>Triticum aestivum</i> L.) by liquid or granular Se fertilisation. <i>Plant and Soil</i> , 2010, 332, 5-18.	3.7	242
5	Methods of assessment of selenium status in humans: a systematic review. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 2025S-2039S.	4.7	239
6	Establishing optimal selenium status: results of a randomized, double-blind, placebo-controlled trial. <i>American Journal of Clinical Nutrition</i> , 2010, 91, 923-931.	4.7	226
7	Wheat Vacuolar Iron Transporter TaVIT2 Transports Fe and Mn and Is Effective for Biofortification. <i>Plant Physiology</i> , 2017, 174, 2434-2444.	4.8	206
8	Biomarkers of Nutrition for Development (BOND) – Iron Review. <i>Journal of Nutrition</i> , 2018, 148, 1001S-1067S.	2.9	206
9	The effects of oral iron supplementation on cognition in older children and adults: a systematic review and meta-analysis. <i>Nutrition Journal</i> , 2010, 9, 4.	3.4	192
10	Dietary mineral supplies in Africa. <i>Physiologia Plantarum</i> , 2014, 151, 208-229.	5.2	178
11	Water-loss dehydration and aging. <i>Mechanisms of Ageing and Development</i> , 2014, 136-137, 50-58.	4.6	178
12	Impact of menstrual blood loss and diet on iron deficiency among women in the UK. <i>British Journal of Nutrition</i> , 2005, 94, 557-564.	2.3	165
13	Selenium and prostate cancer: systematic review and meta-analysis. <i>American Journal of Clinical Nutrition</i> , 2012, 96, 111-122.	4.7	137
14	Combating inflammaging through a Mediterranean whole diet approach: The NU-AGE project's conceptual framework and design. <i>Mechanisms of Ageing and Development</i> , 2014, 136-137, 3-13.	4.6	131
15	The absorption of iron from whole diets: a systematic review. <i>American Journal of Clinical Nutrition</i> , 2013, 98, 65-81.	4.7	126
16	Green tea (<i>Camellia sinensis</i>) for the prevention of cancer. <i>The Cochrane Library</i> , 2021, 2021, CD005004.	2.8	119
17	Sodium and Bone Health: Impact of Moderately High and Low Salt Intakes on Calcium Metabolism in Postmenopausal Women. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 1477-1485.	2.8	115
18	Methods of assessment of copper status in humans: a systematic review. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 2009S-2024S.	4.7	112

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19	Iron status in the elderly. <i>Mechanisms of Ageing and Development</i> , 2014, 136-137, 22-28.	4.6	111
20	Soil-type influences human selenium status and underlies widespread selenium deficiency risks in Malawi. <i>Scientific Reports</i> , 2013, 3, 1425.	3.3	104
21	The Usefulness of Elemental Iron for Cereal Flour Fortification: a Sustain Task Force Report. <i>Nutrition Reviews</i> , 2002, 60, 391-406.	5.8	96
22	Dietary Patterns and Heritability of Food Choice in a UK Female Twin Cohort. <i>Twin Research and Human Genetics</i> , 2007, 10, 734-748.	0.6	95
23	Proposed guidelines to evaluate scientific validity and evidence for genotype-based dietary advice. <i>Genes and Nutrition</i> , 2017, 12, 35.	2.5	95
24	EURRECA—Estimating Selenium Requirements for Deriving Dietary Reference Values. <i>Critical Reviews in Food Science and Nutrition</i> , 2013, 53, 1077-1096.	10.3	87
25	Bioavailability of trace elements. <i>Food Chemistry</i> , 1992, 43, 213-217.	8.2	86
26	Dietary reference values for sodium. <i>EFSA Journal</i> , 2019, 17, e05778.	1.8	85
27	Effect of the NU-AGE Diet on Cognitive Functioning in Older Adults: A Randomized Controlled Trial. <i>Frontiers in Physiology</i> , 2018, 9, 349.	2.8	72
28	A decrease in iron availability to human gut microbiome reduces the growth of potentially pathogenic gut bacteria; an in vitro colonic fermentation study. <i>Journal of Nutritional Biochemistry</i> , 2019, 67, 20-27.	4.2	70
29	Plasma hepcidin concentrations significantly predict interindividual variation in iron absorption in healthy men. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 1088-1091.	4.7	66
30	Absorption of calcium from milks enriched with fructo-oligosaccharides, caseinophosphopeptides, tricalcium phosphate, and milk solids. <i>American Journal of Clinical Nutrition</i> , 2006, 83, 310-316.	4.7	65
31	A parallel randomized trial on the effect of a healthful diet on inflammaging and its consequences in European elderly people: Design of the NU-AGE dietary intervention study. <i>Mechanisms of Ageing and Development</i> , 2013, 134, 523-530.	4.6	64
32	Diagnostic accuracy of calculated serum osmolarity to predict dehydration in older people: adding value to pathology laboratory reports. <i>BMJ Open</i> , 2015, 5, e008846.	1.9	64
33	Assessing potential biomarkers of micronutrient status by using a systematic review methodology: methods. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 1953S-1959S.	4.7	60
34	Iron Bioavailability in Two Commercial Cultivars of Wheat: Comparison between Wholegrain and White Flour and the Effects of Nicotianamine and 2-Deoxymugineic Acid on Iron Uptake into Caco-2 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 10320-10325.	5.2	60
35	Reprint of: A parallel randomized trial on the effect of a healthful diet on inflammaging and its consequences in European elderly people: Design of the NU-AGE dietary intervention study. <i>Mechanisms of Ageing and Development</i> , 2014, 136-137, 14-21.	4.6	59
36	The influence of previous iron intake on the estimation of bioavailability of Fe from a test meal given to rats. <i>British Journal of Nutrition</i> , 1984, 51, 185.	2.3	56

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37	The Bioavailability of Iron in Different Weaning Foods and the Enhancing Effect of a Fruit Drink Containing Ascorbic Acid. <i>Pediatric Research</i> , 1995, 37, 389-394.	2.3	56
38	A network biology model of micronutrient related health. <i>British Journal of Nutrition</i> , 2008, 99, S72-S80.	2.3	55
39	Water-loss (intracellular) dehydration assessed using urinary tests: how well do they work? Diagnostic accuracy in older people. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 121-131.	4.7	54
40	Dietary reference values for potassium. <i>EFSA Journal</i> , 2016, 14, e04592.	1.8	52
41	Effect of iron intake on iron status: a systematic review and meta-analysis of randomized controlled trials. <i>American Journal of Clinical Nutrition</i> , 2012, 96, 768-780.	4.7	48
42	Iron status in the elderly: A review of recent evidence. <i>Mechanisms of Ageing and Development</i> , 2018, 175, 55-73.	4.6	48
43	Zinc and selenium supplementation in COVID-19 prevention and treatment: a systematic review of the experimental studies. <i>Journal of Trace Elements in Medicine and Biology</i> , 2022, 71, 126956.	3.0	47
44	Diet and bone mineral density study in postmenopausal women from the TwinsUK registry shows a negative association with a traditional English dietary pattern and a positive association with wine. <i>American Journal of Clinical Nutrition</i> , 2011, 94, 1371-1375.	4.7	46
45	A Mediterranean-like dietary pattern with vitamin D3 (10 $\hat{\mu}$ g/d) supplements reduced the rate of bone loss in older Europeans with osteoporosis at baseline: results of a 1-y randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 633-640.	4.7	46
46	Iron absorption in male C282Y heterozygotes. <i>American Journal of Clinical Nutrition</i> , 2005, 81, 814-821.	4.7	45
47	A High Prevalence of Zinc- but not Iron-Deficiency among Women in Rural Malawi: a Cross-Sectional Study. <i>International Journal for Vitamin and Nutrition Research</i> , 2013, 83, 176-187.	1.5	43
48	Lead exposure in an Italian population: Food content, dietary intake and risk assessment. <i>Food Research International</i> , 2020, 137, 109370.	6.2	42
49	Inhibitory Effect of Calcium on Non-heme Iron Absorption May Be Related to Translocation of DMT-1 at the Apical Membrane of Enterocytes. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 8414-8417.	5.2	39
50	Estimation of Dietary Iron Bioavailability from Food Iron Intake and Iron Status. <i>PLoS ONE</i> , 2014, 9, e111824.	2.5	39
51	The stage of seed development influences iron bioavailability in pea (<i>Pisum sativum</i> L.). <i>Scientific Reports</i> , 2018, 8, 6865.	3.3	39
52	Health Implications of Iron Overload: the Role of Diet and Genotype. <i>Nutrition Reviews</i> , 2003, 61, 45-62.	5.8	38
53	Mechanisms of Iron Uptake from Ferric Phosphate Nanoparticles in Human Intestinal Caco-2 Cells. <i>Nutrients</i> , 2017, 9, 359.	4.1	38
54	Absorption of Selenium from Wheat, Garlic, and Cod Intrinsically Labeled with Se-77 and Se-82 stable Isotopes. <i>International Journal for Vitamin and Nutrition Research</i> , 2005, 75, 179-186.	1.5	37

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55	Dietary Reference Values for riboflavin. <i>EFSA Journal</i> , 2017, 15, e04919.	1.8	37
56	Gender-specific association of body composition with inflammatory and adipose-related markers in healthy elderly Europeans from the NU-AGE study. <i>European Radiology</i> , 2019, 29, 4968-4979.	4.5	36
57	The Use of Solubility, Dialyzability, and Caco-2 Cell Methods to Predict Iron Bioavailability. <i>International Journal for Vitamin and Nutrition Research</i> , 2007, 77, 158-165.	1.5	34
58	Iron Absorption from Iron-Biofortified Sweetpotato Is Higher Than Regular Sweetpotato in Malawian Women while Iron Absorption from Regular and Iron-Biofortified Potatoes Is High in Peruvian Women. <i>Journal of Nutrition</i> , 2020, 150, 3094-3102.	2.9	30
59	Se-methylselenocysteine alters collagen gene and protein expression in human prostate cells. <i>Cancer Letters</i> , 2008, 269, 117-126.	7.2	29
60	Pea Ferritin Stability under Gastric pH Conditions Determines the Mechanism of Iron Uptake in Caco-2 Cells. <i>Journal of Nutrition</i> , 2018, 148, 1229-1235.	2.9	27
61	Relative bioavailability of micronized, dispersible ferric pyrophosphate added to an apple juice drink. <i>European Journal of Nutrition</i> , 2009, 48, 115-119.	3.9	24
62	The effect of heat treatment and particle size of bran on mineral absorption in rats. <i>British Journal of Nutrition</i> , 1982, 48, 467-475.	2.3	23
63	Fighting Sarcopenia in Ageing European Adults: The Importance of the Amount and Source of Dietary Proteins. <i>Nutrients</i> , 2020, 12, 3601.	4.1	23
64	Iron solubility compared with in vitro digestion and Caco-2 cell culture method for the assessment of iron bioavailability in a processed and unprocessed complementary food for Tanzanian infants (6-12 months). <i>Journal of Nutrition</i> , 2020, 150, 3094-3102.	2.9	30
65	Modeling tool for calculating dietary iron bioavailability in iron-sufficient adults. <i>American Journal of Clinical Nutrition</i> , 2017, 105, 1408-1414.	4.7	22
66	Dietary Fibre May Mitigate Sarcopenia Risk: Findings from the NU-AGE Cohort of Older European Adults. <i>Nutrients</i> , 2020, 12, 1075.	4.1	22
67	Sodium and Potassium Content of Foods Consumed in an Italian Population and the Impact of Adherence to a Mediterranean Diet on Their Intake. <i>Nutrients</i> , 2021, 13, 2681.	4.1	22
68	Studies on the availability of iron in potatoes. <i>British Journal of Nutrition</i> , 1983, 50, 15-23.	2.3	21
69	Are Pregnant Women Who Are Living with Overweight or Obesity at Greater Risk of Developing Iron Deficiency/Anaemia?. <i>Nutrients</i> , 2021, 13, 1572.	4.1	21
70	Micronutrient bioavailability research priorities. <i>American Journal of Clinical Nutrition</i> , 2010, 91, 1423S-1429S.	4.7	19
71	Does ageing affect zinc homeostasis and dietary requirements?. <i>Experimental Gerontology</i> , 2008, 43, 382-388.	2.8	18
72	Iron absorption from a malted cocoa drink fortified with ferric orthophosphate using the stable isotope ⁵⁸ Fe as an extrinsic label. <i>British Journal of Nutrition</i> , 1983, 50, 51-60.	2.3	17

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73	Biomarkers of micronutrient status. <i>British Journal of Nutrition</i> , 2008, 99, S1-S1.	2.3	17
74	One-Year Consumption of a Mediterranean-Like Dietary Pattern With Vitamin D3 Supplements Induced Small Scale but Extensive Changes of Immune Cell Phenotype, Co-receptor Expression and Innate Immune Responses in Healthy Elderly Subjects: Results From the United Kingdom Arm of the NU-AGE Trial. <i>Frontiers in Physiology</i> , 2018, 9, 997.	2.8	17
75	Cross-Sectional Analysis of the Correlation Between Daily Nutrient Intake Assessed by 7-Day Food Records and Biomarkers of Dietary Intake Among Participants of the NU-AGE Study. <i>Frontiers in Physiology</i> , 2018, 9, 1359.	2.8	17
76	Meal-based intake assessment tool: relative validity when determining dietary intake of Fe and Zn and selected absorption modifiers in UK men. <i>British Journal of Nutrition</i> , 2005, 93, 403-416.	2.3	16
77	Short Telomere Length Is Related to Limitations in Physical Function in Elderly European Adults. <i>Frontiers in Physiology</i> , 2018, 9, 1110.	2.8	16
78	Minerals and Trace Elements. <i>World Review of Nutrition and Dietetics</i> , 2015, 111, 45-52.	0.3	15
79	Beneficial Role of Replacing Dietary Saturated Fatty Acids with Polyunsaturated Fatty Acids in the Prevention of Sarcopenia: Findings from the NU-AGE Cohort. <i>Nutrients</i> , 2020, 12, 3079.	4.1	15
80	Vitamin B-6 intake is related to physical performance in European older adults: results of the New Dietary Strategies Addressing the Specific Needs of the Elderly Population for Healthy Aging in Europe (NU-AGE) study. <i>American Journal of Clinical Nutrition</i> , 2021, 113, 781-789.	4.7	15
81	Estimating the Bioavailability Factors Needed for Setting Dietary Reference Values. <i>International Journal for Vitamin and Nutrition Research</i> , 2010, 80, 249-256.	1.5	14
82	Selenium Biomarkers in Prostate Cancer Cell Lines and Influence of Selenium on Invasive Potential of PC3 Cells. <i>Frontiers in Oncology</i> , 2013, 3, 239.	2.8	13
83	Alginate Inhibits Iron Absorption from Ferrous Gluconate in a Randomized Controlled Trial and Reduces Iron Uptake into Caco-2 Cells. <i>PLoS ONE</i> , 2014, 9, e112144.	2.5	13
84	Risk-benefit analysis of mineral intakes: case studies on copper and iron. <i>Proceedings of the Nutrition Society</i> , 2011, 70, 1-9.	1.0	12
85	Dietary Factors Modulate Iron Uptake in Caco-2 Cells from an Iron Ingot Used as a Home Fortificant to Prevent Iron Deficiency. <i>Nutrients</i> , 2017, 9, 1005.	4.1	12
86	Changing from a Western to a Mediterranean-style diet does not affect iron or selenium status: results of the New Dietary Strategies Addressing the Specific Needs of the Elderly Population for Healthy Aging in Europe (NU-AGE) 1-year randomized clinical trial in elderly Europeans. <i>American Journal of Clinical Nutrition</i> , 2020, 111, 98-109.	4.7	12
87	Critical Role of Maternal Selenium Nutrition in Neurodevelopment: Effects on Offspring Behavior and Neuroinflammatory Profile. <i>Nutrients</i> , 2022, 14, 1850.	4.1	12
88	Approaches used to estimate bioavailability when deriving dietary reference values for iron and zinc in adults. <i>Proceedings of the Nutrition Society</i> , 2019, 78, 27-33.	1.0	11
89	Literature search and review related to specific preparatory work in the establishment of Dietary Reference Values - Preparation of an evidence report identifying health outcomes upon which Dietary Reference Values could potentially be based for chromium, manganese and molybdenum. <i>EFSA Supporting Publications</i> , 2012, 9, 284F.	0.7	8
90	Low-pH Cola Beverages Do Not Affect Women's Iron Absorption from a Vegetarian Meal. <i>Journal of Nutrition</i> , 2011, 141, 805-808.	2.9	7

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91	Contribution made by biomarkers of status to an FP6 Network of Excellence, EUROpean micronutrient RECommendations Aligned (EURRECA). American Journal of Clinical Nutrition, 2011, 94, 651S-654S.	4.7	7
92	The Contribution of Diet and Genotype to Iron Status in Women: A Classical Twin Study. PLoS ONE, 2013, 8, e83047.	2.5	7
93	Dietary Iron Bioavailability: A Simple Model That Can Be Used to Derive Country-Specific Values for Adult Men and Women. Food and Nutrition Bulletin, 2020, 41, 121-130.	1.4	7
94	Systemic iron reduction by venesection alters the gut microbiome in patients with haemochromatosis. JHEP Reports, 2020, 2, 100154.	4.9	6
95	Blood Loss Is a Stronger Predictor of Iron Status in Men Than C282Y Heterozygosity or Diet. Journal of the American College of Nutrition, 2008, 27, 158-167.	1.8	5
96	How much iron does a healthy pregnant woman require?. American Journal of Clinical Nutrition, 2022, 115, 985-986.	4.7	5
97	Iron. Advances in Food and Nutrition Research, 2021, 96, 219-250.	3.0	4
98	In Vitro Iron Bioavailability of Brazilian Food-Based by-Products. Medicines (Basel, Switzerland), 2018, 5, 45.	1.4	3
99	A Novel Approach to Improve the Estimation of a Diet Adherence Considering Seasonality and Short Term Variability – The NU-AGE Mediterranean Diet Experience. Frontiers in Physiology, 2019, 10, 149.	2.8	3
100	Literature search and review related to specific preparatory work in the establishment of Dietary Reference Values – Preparation of an evidence report identifying health outcomes upon which Dietary Reference Values could potentially be based for magnesium, potassium and fluoride. EFSA Supporting Publications, 2012, 9, 283E.	0.7	2
101	Medical Research Council Hot Topic workshop report: Planning a UK Nutrition and Healthy Life Expectancy Trial. Nutrition Bulletin, 2021, 46, 395-408.	1.8	2
102	Reminiscences of my life as a nutritionist – and looking to the future. European Journal of Clinical Nutrition, 2020, 74, 537-542.	2.9	0