Susan J Fairweather-Tait

List of Publications by Year
in descending order

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	How much iron does a healthy pregnant woman require?. American Journal of Clinical Nutrition, 2022, 115, 985-986.	4.7	5
2	Zinc and selenium supplementation in COVID-19 prevention and treatment: a systematic review of the experimental studies. Journal of Trace Elements in Medicine and Biology, 2022, 71, 126956.	3.0	47
3	Critical Role of Maternal Selenium Nutrition in Neurodevelopment: Effects on Offspring Behavior and Neuroinflammatory Profile. Nutrients, 2022, 14, 1850.	4.1	12
4	Green tea (Camellia sinensis) for the prevention of cancer. The Cochrane Library, 2021, 2021, CD005004.	2.8	119
5	Iron. Advances in Food and Nutrition Research, 2021, 96, 219-250.	3.0	4
6	Are Pregnant Women Who Are Living with Overweight or Obesity at Greater Risk of Developing Iron Deficiency/Anaemia?. Nutrients, 2021, 13, 1572.	4.1	21
7	Sodium and Potassium Content of Foods Consumed in an Italian Population and the Impact of Adherence to a Mediterranean Diet on Their Intake. Nutrients, 2021, 13, 2681.	4.1	22
8	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
9	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. American Journal of Clinical Nutrition, 2021, 113, 781-789.	4.7	15
10	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. American Journal of Clinical Nutrition, 2020, 111, 98-109.	4.7	12
11	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
12	Beneficial Role of Replacing Dietary Saturated Fatty Acids with Polyunsaturated Fatty Acids in the Prevention of Sarcopenia: Findings from the NU-AGE Cohort. Nutrients, 2020, 12, 3079.	4.1	15
13	Fighting Sarcopenia in Ageing European Adults: The Importance of the Amount and Source of Dietary Proteins. Nutrients, 2020, 12, 3601.	4.1	23
14	Systemic iron reduction by venesection alters the gut microbiome in patients with haemochromatosis. JHEP Reports, 2020, 2, 100154.	4.9	6
15	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. Journal of Nutrition, 2020, 150, 3094-3102.	2.9	30
16	Lead exposure in an Italian population: Food content, dietary intake and risk assessment. Food Research International, 2020, 137, 109370.	6.2	42
17	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. Gut, 2020, 69, 1218-1228.	12.1	465
18	Dietary Fibre May Mitigate Sarcopenia Risk: Findings from the NU-AGE Cohort of Older European Adults. Nutrients, 2020, 12, 1075.	4.1	22

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19	Reminiscences of my life as a nutritionistâ€"and looking to the future. European Journal of Clinical Nutrition, 2020, 74, 537-542.	2.9	0
20	Approaches used to estimate bioavailability when deriving dietary reference values for iron and zinc in adults. Proceedings of the Nutrition Society, 2019, 78, 27-33.	1.0	11
21	A Novel Approach to Improve the Estimation of a Diet Adherence Considering Seasonality and Short Term Variability â€“ The NU-AGE Mediterranean Diet Experience. Frontiers in Physiology, 2019, 10, 149.	2.8	3
22	Dietary reference values for sodium. EFSA Journal, 2019, 17, e05778.	1.8	85
23	A decrease in iron availability to human gut microbiome reduces the growth of potentially pathogenic gut bacteria; an in vitro colonic fermentation study. Journal of Nutritional Biochemistry, 2019, 67, 20-27.	4.2	70
24	Gender-specific association of body composition with inflammatory and adipose-related markers in healthy elderly Europeans from the NU-AGE study. European Radiology, 2019, 29, 4968-4979.	4.5	36
25	The stage of seed development influences iron bioavailability in pea (Pisum sativum L.). Scientific Reports, 2018, 8, 6865.	3.3	39
26	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. Frontiers in Physiology, 2018, 9, 997.	2.8	17
27	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. Frontiers in Physiology, 2018, 9, 1359.	2.8	17
28	Pea Ferritin Stability under Gastric pH Conditions Determines the Mechanism of Iron Uptake in Caco-2 Cells. Journal of Nutrition, 2018, 148, 1229-1235.	2.9	27
29	Effect of the NU-AGE Diet on Cognitive Functioning in Older Adults: A Randomized Controlled Trial. Frontiers in Physiology, 2018, 9, 349.	2.8	72
30	In Vitro Iron Bioavailability of Brazilian Food-Based by-Products. Medicines (Basel, Switzerland), 2018, 5, 45.	1.4	3
31	A Mediterranean-like dietary pattern with vitamin D3 (10 Âµg/d) supplements reduced the rate of bone loss in older Europeans with osteoporosis at baseline: results of a 1-y randomized controlled trial. American Journal of Clinical Nutrition, 2018, 108, 633-640.	4.7	46
32	Iron status in the elderly: A review of recent evidence. Mechanisms of Ageing and Development, 2018, 175, 55-73.	4.6	48
33	Short Telomere Length Is Related to Limitations in Physical Function in Elderly European Adults. Frontiers in Physiology, 2018, 9, 1110.	2.8	16
34	Biomarkers of Nutrition for Development (BOND)â€"Iron Review. Journal of Nutrition, 2018, 148, 1001S-1067S.	2.9	206
35	Modeling tool for calculating dietary iron bioavailability in iron-sufficient adults. American Journal of Clinical Nutrition, 2017, 105, 1408-1414.	4.7	22
36	Dietary Reference Values for riboflavin. EFSA Journal, 2017, 15, e04919.	1.8	37

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37	Wheat Vacuolar Iron Transporter TaVIT2 Transports Fe and Mn and Is Effective for Biofortification. Plant Physiology, 2017, 174, 2434-2444.	4.8	206
38	Mechanisms of Iron Uptake from Ferric Phosphate Nanoparticles in Human Intestinal Caco-2 Cells. Nutrients, 2017, 9, 359.	4.1	38
39	Dietary Factors Modulate Iron Uptake in Caco-2 Cells from an Iron Ingot Used as a Home Fortificant to Prevent Iron Deficiency. Nutrients, 2017, 9, 1005.	4.1	12
40	Proposed guidelines to evaluate scientific validity and evidence for genotype-based dietary advice. Genes and Nutrition, 2017, 12, 35.	2.5	95
41	Dietary reference values for potassium. EFSA Journal, 2016, 14, e04592.	1.8	52
42	Water-loss (intracellular) dehydration assessed using urinary tests: how well do they work? Diagnostic accuracy in older people. American Journal of Clinical Nutrition, 2016, 104, 121-131.	4.7	54
43	Minerals and Trace Elements. World Review of Nutrition and Dietetics, 2015, 111, 45-52.	0.3	15
44	Diagnostic accuracy of calculated serum osmolarity to predict dehydration in older people: adding value to pathology laboratory reports. BMJ Open, 2015, 5, e008846.	1.9	64
45	Estimation of Dietary Iron Bioavailability from Food Iron Intake and Iron Status. PLoS ONE, 2014, 9, e111824.	2.5	39
46	Alginate Inhibits Iron Absorption from Ferrous Gluconate in a Randomized Controlled Trial and Reduces Iron Uptake into Caco-2 Cells. PLoS ONE, 2014, 9, e112144.	2.5	13
47	Dietary mineral supplies in Africa. Physiologia Plantarum, 2014, 151, 208-229.	5.2	178
48	Water-loss dehydration and aging. Mechanisms of Ageing and Development, 2014, 136-137, 50-58.	4.6	178
49	Reprint of: A parallel randomized trial on the effect of a healthful diet on inflammageing and its consequences in European elderly people: Design of the NU-AGE dietary intervention study. Mechanisms of Ageing and Development, 2014, 136-137, 14-21.	4.6	59
50	Iron status in the elderly. Mechanisms of Ageing and Development, 2014, 136-137, 22-28.	4.6	111
51	Combating inflammaging through a Mediterranean whole diet approach: The NU-AGE project's conceptual framework and design. Mechanisms of Ageing and Development, 2014, 136-137, 3-13.	4.6	131
52	Iron Bioavailability in Two Commercial Cultivars of Wheat: Comparison between Wholegrain and White Flour and the Effects of Nicotianamine and 2â€²-Deoxymugineic Acid on Iron Uptake into Caco-2 Cells. Journal of Agricultural and Food Chemistry, 2014, 62, 10320-10325.	5.2	60
53	A parallel randomized trial on the effect of a healthful diet on inflammageing and its consequences in European elderly people: Design of the NU-AGE dietary intervention study. Mechanisms of Ageing and Development, 2013, 134, 523-530.	4.6	64
54	EURRECAâ€”Estimating Selenium Requirements for Deriving Dietary Reference Values. Critical Reviews in Food Science and Nutrition, 2013, 53, 1077-1096.	10.3	87

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55	Soil-type influences human selenium status and underlies widespread selenium deficiency risks in Malawi. Scientific Reports, 2013, 3, 1425.	3.3	104
56	Selenium Biomarkers in Prostate Cancer Cell Lines and Influence of Selenium on Invasive Potential of PC3 Cells. Frontiers in Oncology, 2013, 3, 239.	2.8	13
57	The absorption of iron from whole diets: a systematic review. American Journal of Clinical Nutrition, 2013, 98, 65-81.	4.7	126
58	The Contribution of Diet and Genotype to Iron Status in Women: A Classical Twin Study. PLoS ONE, 2013, 8, e83047.	2.5	7
59	A High Prevalence of Zinc- but not Iron-Deficiency among Women in Rural Malawi: a Cross-Sectional Study. International Journal for Vitamin and Nutrition Research, 2013, 83, 176-187.	1.5	43
60	Selenium and prostate cancer: systematic review and meta-analysis. American Journal of Clinical Nutrition, 2012, 96, 111-122.	4.7	137
61	Effect of iron intake on iron status: a systematic review and meta-analysis of randomized controlled trials. American Journal of Clinical Nutrition, 2012, 96, 768-780.	4.7	48
62	Literature search and review related to specific preparatory work in the establishment of Dietary Reference Values â€•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
63	Literature search and review related to specific preparatory work in the establishment of Dietary Reference Values â€•Preparation of an evidence report identifying health outcomes upon which Dietary Reference Values could potentially be based for chromium, manganese and molybdenum. EFSA Supporting Publications, 2012, 9, 284E.	0.7	8
64	Selenium in Human Health and Disease. Antioxidants and Redox Signaling, 2011, 14, 1337-1383.	5.4	1,003
65	Riskâ€“benefit analysis of mineral intakes: case studies on copper and iron. Proceedings of the Nutrition Society, 2011, 70, 1-9.	1.0	12
66	Low-pH Cola Beverages Do Not Affect Women's Iron Absorption from a Vegetarian Meal1â€“3. Journal of Nutrition, 2011, 141, 805-808.	2.9	7
67	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. American Journal of Clinical Nutrition, 2011, 94, 1371-1375.	4.7	46
68	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
69	Selenium biofortification of high-yielding winter wheat (Triticum aestivum L.) by liquid or granular Se fertilisation. Plant and Soil, 2010, 332, 5-18.	3.7	242
70	The effects of oral iron supplementation on cognition in older children and adults: a systematic review and meta-analysis. Nutrition Journal, 2010, 9, 4.	3.4	192
71	Micronutrient bioavailability research priorities. American Journal of Clinical Nutrition, 2010, 91, 1423S-1429S.	4.7	19
72	Establishing optimal selenium status: results of a randomized, double-blind, placebo-controlled trial. American Journal of Clinical Nutrition, 2010, 91, 923-931.	4.7	226

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73	Selenium bioavailability: current knowledge and future research requirements. American Journal of Clinical Nutrition, 2010, 91, 1484S-1491S.	4.7	330
74	Inhibitory Effect of Calcium on Non-heme Iron Absorption May Be Related to Translocation of DMT-1 at the Apical Membrane of Enterocytes. Journal of Agricultural and Food Chemistry, 2010, 58, 8414-8417.	5.2	39
75	Estimating the Bioavailability Factors Needed for Setting Dietary Reference Values. International Journal for Vitamin and Nutrition Research, 2010, 80, 249-256.	1.5	14
76	Methods of assessment of copper status in humans: a systematic review. American Journal of Clinical Nutrition, 2009, 89, 2009S-2024S.	4.7	112
77	Assessing potential biomarkers of micronutrient status by using a systematic review methodology: methods. American Journal of Clinical Nutrition, 2009, 89, 1953S-1959S.	4.7	60
78	Methods of assessment of selenium status in humans: a systematic review. American Journal of Clinical Nutrition, 2009, 89, 2025S-2039S.	4.7	239
79	Plasma hepcidin concentrations significantly predict interindividual variation in iron absorption in healthy men. American Journal of Clinical Nutrition, 2009, 89, 1088-1091.	4.7	66
80	Relative bioavailability of micronized, dispersible ferric pyrophosphate added to an apple juice drink. European Journal of Nutrition, 2009, 48, 115-119.	3.9	24
81	Sodium and Bone Health: Impact of Moderately High and Low Salt Intakes on Calcium Metabolism in Postmenopausal Women. Journal of Bone and Mineral Research, 2008, 23, 1477-1485.	2.8	115
82	Does ageing affect zinc homeostasis and dietary requirements?. Experimental Gerontology, 2008, 43, 382-388.	2.8	18
83	Se-methylselenocysteine alters collagen gene and protein expression in human prostate cells. Cancer Letters, 2008, 269, 117-126.	7.2	29
84	A network biology model of micronutrient related health. British Journal of Nutrition, 2008, 99, S72-S80.	2.3	55
85	Biomarkers of micronutrient status. British Journal of Nutrition, 2008, 99, S1-S1.	2.3	17
86	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
87	Dietary Patterns and Heritability of Food Choice in a UK Female Twin Cohort. Twin Research and Human Genetics, 2007, 10, 734-748.	0.6	95
88	The Use of Solubility, Dialyzability, and Caco-2 Cell Methods to Predict Iron Bioavailability. International Journal for Vitamin and Nutrition Research, 2007, 77, 158-165.	1.5	34
89	Absorption of calcium from milks enriched with fructo-oligosaccharides, caseinophosphopeptides, tricalcium phosphate, and milk solids. American Journal of Clinical Nutrition, 2006, 83, 310-316.	4.7	65
90	Iron solubility compared with in vitro digestionâ€“Caco-2 cell culture method for the assessment of iron bioavailability in a processed and unprocessed complementary food for Tanzanian infants (6â€“12) Tj ETQq0 0 0 rgBT /Overlock 10	2.3	22

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91	Impact of menstrual blood loss and diet on iron deficiency among women in the UK. British Journal of Nutrition, 2005, 94, 557-564.	2.3	165
92	Meal-based intake assessment tool: relative validity when determining dietary intake of Fe and Zn and selected absorption modifiers in UK men. British Journal of Nutrition, 2005, 93, 403-416.	2.3	16
93	Absorption of Selenium from Wheat, Garlic, and Cod Intrinsically Labeled with Se-77 and Se-82 stable Isotopes. International Journal for Vitamin and Nutrition Research, 2005, 75, 179-186.	1.5	37
94	Iron absorption in male C282Y heterozygotes. American Journal of Clinical Nutrition, 2005, 81, 814-821.	4.7	45
95	Health Implications of Iron Overload: the Role of Diet and Genotype. Nutrition Reviews, 2003, 61, 45-62.	5.8	38
96	The Usefulness of Elemental Iron for Cereal Flour Fortification: a Sustain Task Force Report. Nutrition Reviews, 2002, 60, 391-406.	5.8	96
97	The Bioavailability of Iron in Different Weaning Foods and the Enhancing Effect of a Fruit Drink Containing Ascorbic Acid. Pediatric Research, 1995, 37, 389-394.	2.3	56
98	Bioavailability of trace elements. Food Chemistry, 1992, 43, 213-217.	8.2	86
99	The influence of previous iron intake on the estimation of bioavailability of Fe from a test meal given to rats. British Journal of Nutrition, 1984, 51, 185.	2.3	56
100	Studies on the availability of iron in potatoes. British Journal of Nutrition, 1983, 50, 15-23.	2.3	21
101	Iron absorption from a malted cocoa drink fortified with ferric orthophosphate using the stable isotope 58Fe as an extrinsic label. British Journal of Nutrition, 1983, 50, 51-60.	2.3	17
102	The effect of heat treatment and particle size of bran on mineral absorption in rats. British Journal of Nutrition, 1982, 48, 467-475.	2.3	23