Richard F Hurrell

List of Publications by Citations

72 papers	5,821 citations	36 h-index	74 g-index
74 ext. papers	6,599 ext. citations	4.7 avg, IF	5.99 L-index

#	Paper	IF	Citations
72	Nutritional iron deficiency. *Lancet, The*, **2007**, 370, 511-20	40	806
71	Iron bioavailability and dietary reference values. *American Journal of Clinical Nutrition*, **2010**, 91, 1461S-1467S	7	636
70	Potential for increasing the content and bioavailability of Fe, Zn and Ca in plants for human nutrition. *Journal of the Science of Food and Agriculture*, **2000**, 80, 861-879	4.3	379
69	The effects of iron fortification on the gut microbiota in African children: a randomized controlled trial in Cote dWoire. *American Journal of Clinical Nutrition*, **2010**, 92, 1406-15	7	312
68	Fortification: overcoming technical and practical barriers. *Journal of Nutrition*, **2002**, 132, 806S-12S	4.1	254
67	Preventing iron deficiency through food fortification. *Nutrition Reviews*, **1997**, 55, 210-22	6.4	231
66	The Proportion of Anemia Associated with Iron Deficiency in Low, Medium, and High Human Development Index Countries: A Systematic Analysis of National Surveys. *Nutrients*, **2016**, 8,	6.7	197
65	Phytic acid degradation as a means of improving iron absorption. *International Journal for Vitamin and Nutrition Research*, **2004**, 74, 445-52	1.7	168
64	Review: The potential of the common bean (Phaseolus vulgaris) as a vehicle for iron biofortification. *Nutrients*, **2015**, 7, 1144-73	6.7	147
63	Revised recommendations for iron fortification of wheat flour and an evaluation of the expected impact of current national wheat flour fortification programs. *Food and Nutrition Bulletin*, **2010**, 31, S7-21	1.8	144
62	Polyphenols and phytic acid contribute to the low iron bioavailability from common beans in young women. *Journal of Nutrition*, **2010**, 140, 1977-82	4.1	126
61	An evaluation of EDTA compounds for iron fortification of cereal-based foods. *British Journal of Nutrition*, **2000**, 84, 903-910	3.6	126
60	A double stable isotope technique for measuring iron absorption in infants. *British Journal of Nutrition*, **1994**, 71, 411-24	3.6	120
59	Stable isotope labels as a tool to determine the iron absorption by Peruvian school children from a breakfast meal. *FreseniusvJournal of Analytical Chemistry*, **1997**, 359, 445-449		111
58	Extruded rice fortified with micronized ground ferric pyrophosphate reduces iron deficiency in Indian schoolchildren: a double-blind randomized controlled trial. *American Journal of Clinical Nutrition*, **2006**, 84, 822-9	7	110
57	Biomarkers of Nutrition for Development (BOND)-Iron Review. *Journal of Nutrition*, **2018**, 148, 1001S-1067S	4.1	109
56	Iron status and food matrix strongly affect the relative bioavailability of ferric pyrophosphate in humans. *American Journal of Clinical Nutrition*, **2006**, 83, 632-8	7	100

55	Afebrile Plasmodium falciparum parasitemia decreases absorption of fortification iron but does not affect systemic iron utilization: a double stable-isotope study in young Beninese women. *American Journal of Clinical Nutrition*, **2010**, 92, 1385-92	7	90
54	Enhancing the absorption of fortification iron. A SUSTAIN Task Force report. *International Journal for Vitamin and Nutrition Research*, **2004**, 74, 387-401	1.7	90
53	Iron bioavailability in infants from an infant cereal fortified with ferric pyrophosphate or ferrous fumarate. *American Journal of Clinical Nutrition*, **2000**, 71, 1597-602	7	89
52	Dual fortification of salt with iodine and micronized ferric pyrophosphate: a randomized, double-blind, controlled trial. *American Journal of Clinical Nutrition*, **2004**, 80, 952-9	7	85
51	Optimization of a phytase-containing micronutrient powder with low amounts of highly bioavailable iron for in-home fortification of complementary foods. *American Journal of Clinical Nutrition*, **2009**, 89, 539-44	7	80
50	The usefulness of elemental iron for cereal flour fortification: a SUSTAIN Task Force report. Sharing United States Technology to Aid in the Improvement of Nutrition. *Nutrition Reviews*, **2002**, 60, 391-406	6.4	80
49	Comparison of the efficacy of wheat-based snacks fortified with ferrous sulfate, electrolytic iron, or hydrogen-reduced elemental iron: randomized, double-blind, controlled trial in Thai women. *American Journal of Clinical Nutrition*, **2005**, 82, 1276-82	7	74
48	Helicobacter pylori infection, iron absorption, and gastric acid secretion in Bangladeshi children. *American Journal of Clinical Nutrition*, **2004**, 80, 149-53	7	67
47	Dual fortification of salt with iodine and iron: a randomized, double-blind, controlled trial of micronized ferric pyrophosphate and encapsulated ferrous fumarate in southern India. *American Journal of Clinical Nutrition*, **2008**, 88, 1378-87	7	66
46	In a randomized controlled trial of iron fortification, anthelmintic treatment, and intermittent preventive treatment of malaria for anemia control in Ivorian children, only anthelmintic treatment shows modest benefit. *Journal of Nutrition*, **2010**, 140, 635-41	4.1	61
45	Salt dual-fortified with iodine and micronized ground ferric pyrophosphate affects iron status but not hemoglobin in children in Cote dWoire. *Journal of Nutrition*, **2006**, 136, 1814-20	4.1	60
44	The influence of meat on nonheme iron absorption in infants. *Pediatric Research*, **1998**, 43, 768-73	3.2	60
43	Phytic acid concentration influences iron bioavailability from biofortified beans in Rwandese women with low iron status. *Journal of Nutrition*, **2014**, 144, 1681-7	4.1	59
42	Ferrous fumarate fortification of a chocolate drink powder. *British Journal of Nutrition*, **1991**, 65, 271-83	3.6	59
41	Development and Evaluation of Iron-fortified Extruded Rice Grains. *Journal of Food Science*, **2005**, 70, S330-S336	3.4	57
40	Phytic acid degrading lactic acid bacteria in tef-injera fermentation. *International Journal of Food Microbiology*, **2014**, 190, 54-60	5.8	53
39	Etiology of anemia among infants, school-aged children, and young non-pregnant women in different settings of South-Central Cote dWoire. *American Journal of Tropical Medicine and Hygiene*, **2012**, 87, 425-34	3.2	42
38	Iron fortification of whole wheat flour reduces iron deficiency and iron deficiency anemia and increases body iron stores in Indian school-aged children. *Journal of Nutrition*, **2012**, 142, 1997-2003	4.1	38

37	Circulating non-transferrin-bound iron after oral administration of supplemental and fortification doses of iron to healthy women: a randomized study. *American Journal of Clinical Nutrition*, **2014**, 100, 813-20	7	36
36	Effects of inflammation and Plasmodium falciparum infection on soluble transferrin receptor and plasma ferritin concentration in different age groups: a prospective longitudinal study in Côte dWoire. *American Journal of Clinical Nutrition*, **2013**, 97, 1364-74	7	32
35	In Ivorian school-age children, infection with hookworm does not reduce dietary iron absorption or systemic iron utilization, whereas afebrile Plasmodium falciparum infection reduces iron absorption by half. *American Journal of Clinical Nutrition*, **2015**, 101, 462-70	7	31
34	A comparison of iron absorption in adults and infants consuming identical infant formulas. *British Journal of Nutrition*, **1998**, 79, 31-6	3.6	31
33	Influence of phytase, EDTA, and polyphenols on zinc absorption in adults from porridges fortified with zinc sulfate or zinc oxide. *Journal of Nutrition*, **2014**, 144, 1467-73	4.1	30
32	Sodium iron EDTA and ascorbic acid, but not polyphenol oxidase treatment, counteract the strong inhibitory effect of polyphenols from brown sorghum on the absorption of fortification iron in young women. *British Journal of Nutrition*, **2014**, 111, 481-9	3.6	27
31	Inhibition of iron absorption by calcium is modest in an iron-fortified, casein- and whey-based drink in Indian children and is easily compensated for by addition of ascorbic acid. *Journal of Nutrition*, **2014**, 144, 1703-9	4.1	23
30	A higher proportion of iron-rich leafy vegetables in a typical Burkinabe maize meal does not increase the amount of iron absorbed in young women. *Journal of Nutrition*, **2014**, 144, 1394-400	4.1	22
29	Ferrous ammonium phosphate ($FeNH_4PO_4$) as a new food fortificant: iron bioavailability compared to ferrous sulfate and ferric pyrophosphate from an instant milk drink. *European Journal of Nutrition*, **2013**, 52, 1361-8	5.2	21
28	Rapid high performance screening method using UHPLC-MS to quantify 12 polyphenol compounds in fresh apples. *Analytical Methods*, **2011**, 3, 1774	3.2	21
27	Iron deficiency up-regulates iron absorption from ferrous sulphate but not ferric pyrophosphate and consequently food fortification with ferrous sulphate has relatively greater efficacy in iron-deficient individuals. *British Journal of Nutrition*, **2011**, 105, 1245-50	3.6	21
26	Linking the bioavailability of iron compounds to the efficacy of iron-fortified foods. *International Journal for Vitamin and Nutrition Research*, **2007**, 77, 166-73	1.7	21
25	Iron and malaria: absorption, efficacy and safety. *International Journal for Vitamin and Nutrition Research*, **2010**, 80, 279-92	1.7	20
24	Safety and efficacy of iron supplements in malaria-endemic areas. *Annals of Nutrition and Metabolism*, **2011**, 59, 64-6	4.5	19
23	Use of ferrous fumarate to fortify foods for infants and young children. *Nutrition Reviews*, **2010**, 68, 522-30	3.4	19
22	Iron fortification: its efficacy and safety in relation to infections. *Food and Nutrition Bulletin*, **2007**, 28, S585-94	1.8	18
21	Zinc Absorption From Agronomically Biofortified Wheat Is Similar to Post-Harvest Fortified Wheat and Is a Substantial Source of Bioavailable Zinc in Humans. *Journal of Nutrition*, **2019**, 149, 840-846	4.1	17
20	Iron Fortified Complementary Foods Containing a Mixture of Sodium Iron EDTA with Either Ferrous Fumarate or Ferric Pyrophosphate Reduce Iron Deficiency Anemia in 12- to 36-Month-Old Children in a Malaria Endemic Setting: A Secondary Analysis of a Cluster-Randomized Controlled Trial. *Nutrients*, **2017**, 9,	6.7	16

19	The effect of iron-fortified complementary food and intermittent preventive treatment of malaria on anaemia in 12- to 36-month-old children: a cluster-randomised controlled trial. *Malaria Journal*, **2015**, 14, 347	3.6	16
18	Zinc Absorption by Adults Is Similar from Intrinsically Labeled Zinc-Biofortified Rice and from Rice Fortified with Labeled Zinc Sulfate. *Journal of Nutrition*, **2016**, 146, 76-80	4.1	15
17	The effect of timing of iron supplementation on iron absorption and haemoglobin in post-malaria anaemia: a longitudinal stable isotope study in Malawian toddlers. *Malaria Journal*, **2014**, 13, 397	3.6	13
16	Iron bioavailability from fresh cheese fortified with iron-enriched yeast. *European Journal of Nutrition*, **2017**, 56, 1551-1560	5.2	11
15	Mode of oral iron administration and the amount of iron habitually consumed do not affect iron absorption, systemic iron utilisation or zinc absorption in iron-sufficient infants: a randomised trial. *British Journal of Nutrition*, **2016**, 116, 1046-60	3.6	10
14	Iron Fortification Practices and Implications for Iron Addition to Salt. *Journal of Nutrition*, **2021**, 151, 3S-14S	4.1	10
13	Evaluation of Simple and Inexpensive High-Throughput Methods for Phytic Acid Determination. *JAOCS, Journal of the American Oil ChemistsvSociety*, **2017**, 94, 353-362	1.8	7
12	Iron Bioavailability from Ferric Pyrophosphate in Extruded Rice Cofortified with Zinc Sulfate Is Greater than When Cofortified with Zinc Oxide in a Human Stable Isotope Study. *Journal of Nutrition*, **2017**, 147, 377-383	4.1	6
11	Zinc status as compared to zinc intake and iron status: a case study of Iranian populations from Isfahan province. *International Journal for Vitamin and Nutrition Research*, **2013**, 83, 335-45	1.7	5
10	The Potential of Fermentation and Contamination of Teff by Soil to Influence Iron Intake and Bioavailability from Injera Flatbread. *International Journal for Vitamin and Nutrition Research*, **2017**, 87, 75-84	1.7	4
9	The Potential of Iodine and Iron Double-Fortified Salt Compared with Iron-Fortified Staple Foods to Increase Population Iron Status. *Journal of Nutrition*, **2021**, 151, 47S-63S	4.1	4
8	Synthesis, characterization and bioavailability of ferric phosphate nanoparticles. *FASEB Journal*, **2007**, 21, A1113	0.9	3
7	Iron fortification reduces blood lead levels in children: a randomized, double-blind, controlled trial in Bangalore, India. *FASEB Journal*, **2006**, 20, A131	0.9	2
6	Potential for increasing the content and bioavailability of Fe, Zn and Ca in plants for human nutrition		2
5	Plasma hepcidin is a modest predictor of dietary iron bioavailability in humans, whereas oral iron loading, measured by stable-isotope appearance curves, increases plasma hepcidin. *FASEB Journal*, **2010**, 24, 208.1	0.9	1
4	An iron fortification efficacy study in children in Cote dWoire supports the suggestion that tissue iron is protected at the expense of erythrocyte iron. *European Journal of Clinical Nutrition*, **2018**, 72, 1229-1233	5.2	1
3	How the cookie crumbled, and the need to strike while the iron is hot. *European Journal of Clinical Nutrition*, **2021**, 75, 1419-1424	5.2	
2	Addition of Whole Wheat Flour During Injera Fermentation Degrades Phytic Acid and Triples Iron Absorption from Fortified Tef in Young Women. *Journal of Nutrition*, **2020**, 150, 2666-2672	4.1	

1 Kenneth John Carpenter (1923–2016). *British Journal of Nutrition*, **2018**, 120, 594-596 3.6