

Christophe Zeder

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

1,987
citations

23
h-index

44
g-index

70
ext. papers

2,461
ext. citations

4.9
avg, IF

5.09
L-index

#	Paper	IF	Citations
65	Oral iron supplements increase hepcidin and decrease iron absorption from daily or twice-daily doses in iron-depleted young women. <i>Blood</i> , 2015 , 126, 1981-9	2.2	261
64	Iron absorption from oral iron supplements given on consecutive versus alternate days and as single morning doses versus twice-daily split dosing in iron-depleted women: two open-label, randomised controlled trials. <i>Lancet Haematology, the</i> , 2017 , 4, e524-e533	14.6	172
63	Polyphenols and phytic acid contribute to the low iron bioavailability from common beans in young women. <i>Journal of Nutrition</i> , 2010 , 140, 1977-82	4.1	126
62	Iron status and food matrix strongly affect the relative bioavailability of ferric pyrophosphate in humans. <i>American Journal of Clinical Nutrition</i> , 2006 , 83, 632-8	7	100
61	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. <i>American Journal of Clinical Nutrition</i> , 2010 , 92, 1385-92	7	90
60	Total iron absorption by young women from iron-biofortified pearl millet composite meals is double that from regular millet meals but less than that from post-harvest iron-fortified millet meals. <i>Journal of Nutrition</i> , 2013 , 143, 1376-82	4.1	81
59	Optimization of a phytase-containing micronutrient powder with low amounts of highly bioavailable iron for in-home fortification of complementary foods. <i>American Journal of Clinical Nutrition</i> , 2009 , 89, 539-44	7	80
58	Measuring Dietary Iron Absorption From Edible Tenebrio molitor and Assessing the Effect of Chitin on Iron Bioavailability: A Stable Iron Isotope Study in Young Women. <i>Current Developments in Nutrition</i> , 2021 , 5, 587-587	0.4	78
57	Kinetics of Iron Absorption From Ferrous Fumarate With Galacto-oligosaccharides Measured by Stable-isotope Appearance Curves in Iron Depleted Women in Switzerland. <i>Current Developments in Nutrition</i> , 2021 , 5, 1317-1317	0.4	78
56	Dephytinization of a complementary food based on wheat and soy increases zinc, but not copper, apparent absorption in adults. <i>Journal of Nutrition</i> , 2004 , 134, 1077-80	4.1	77
55	Zinc absorption by young adults from supplemental zinc citrate is comparable with that from zinc gluconate and higher than from zinc oxide. <i>Journal of Nutrition</i> , 2014 , 144, 132-6	4.1	67
54	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. <i>American Journal of Clinical Nutrition</i> , 2009 , 90, 1280-7	7	58
53	Iron absorption from supplements is greater with alternate day than with consecutive day dosing in iron-deficient anemic women. <i>Haematologica</i> , 2020 , 105, 1232-1239	6.6	51
52	Iron absorption from ferrous fumarate in adult women is influenced by ascorbic acid but not by Na ₂ EDTA. <i>British Journal of Nutrition</i> , 2003 , 90, 1081-5	3.6	37
51	Circulating non-transferrin-bound iron after oral administration of supplemental and fortification doses of iron to healthy women: a randomized study. <i>American Journal of Clinical Nutrition</i> , 2014 , 100, 813-20	7	36
50	Sodium iron EDTA [NaFe(III)EDTA] as a food fortificant: erythrocyte incorporation of iron and apparent absorption of zinc, copper, calcium, and magnesium from a complementary food based on wheat and soy in healthy infants. <i>American Journal of Clinical Nutrition</i> , 2005 , 81, 104-9	7	33
49	Bifidobacteria strains isolated from stools of iron deficient infants can efficiently sequester iron. <i>BMC Microbiology</i> , 2015 , 15, 3	4.5	32

48	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. <i>American Journal of Clinical Nutrition</i> , 2015 , 101, 462-70	7	31
47	Influence of phytase, EDTA, and polyphenols on zinc absorption in adults from porridges fortified with zinc sulfate or zinc oxide. <i>Journal of Nutrition</i> , 2014 , 144, 1467-73	4.1	30
46	Optimization of a New Mass Spectrometry Method for Measurement of Breast Milk Iodine Concentrations and an Assessment of the Effect of Analytic Method and Timing of Within-Feed Sample Collection on Breast Milk Iodine Concentrations. <i>Thyroid</i> , 2016 , 26, 287-95	6.2	29
45	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. <i>British Journal of Nutrition</i> , 2014 , 111, 481-9	3.6	27
44	Effects of wheat-flour biscuits fortified with iron and EDTA, alone and in combination, on blood lead concentration, iron status, and cognition in children: a double-blind randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2016 , 104, 1318-1326	7	26
43	The opposing effects of acute inflammation and iron deficiency anemia on serum hepcidin and iron absorption in young women. <i>Haematologica</i> , 2019 , 104, 1143-1149	6.6	26
42	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. <i>Journal of Nutrition</i> , 2014 , 144, 1394-400	4.1	22
41	Ferrous ammonium phosphate (FeNH ₄ PO ₄) as a new food fortificant: iron bioavailability compared to ferrous sulfate and ferric pyrophosphate from an instant milk drink. <i>European Journal of Nutrition</i> , 2013 , 52, 1361-8	5.2	21
40	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. <i>British Journal of Nutrition</i> , 2011 , 105, 1245-50	3.6	21
39	Sodium pyrophosphate enhances iron bioavailability from bouillon cubes fortified with ferric pyrophosphate. <i>British Journal of Nutrition</i> , 2016 , 116, 496-503	3.6	20
38	Iron bioavailability from a lipid-based complementary food fortificant mixed with millet porridge can be optimized by adding phytase and ascorbic acid but not by using a mixture of ferrous sulfate and sodium iron EDTA. <i>Journal of Nutrition</i> , 2013 , 143, 1233-9	4.1	18
37	Fortification iron as ferrous sulfate plus ascorbic acid is more rapidly absorbed than as sodium iron EDTA but neither increases serum nontransferrin-bound iron in women. <i>Journal of Nutrition</i> , 2011 , 141, 822-7	4.1	18
36	Zinc Absorption From Agronomically Biofortified Wheat Is Similar to Post-Harvest Fortified Wheat and Is a Substantial Source of Bioavailable Zinc in Humans. <i>Journal of Nutrition</i> , 2019 , 149, 840-846	4.1	17
35	Cofortification of ferric pyrophosphate and citric acid/trisodium citrate into extruded rice grains doubles iron bioavailability through in situ generation of soluble ferric pyrophosphate citrate complexes. <i>American Journal of Clinical Nutrition</i> , 2016 , 103, 1252-9	7	17
34	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	4.1	16
33	Consumption of Galacto-Oligosaccharides Increases Iron Absorption from Ferrous Fumarate: A Stable Iron Isotope Study in Iron-Depleted Young Women. <i>Journal of Nutrition</i> , 2019 , 149, 738-746	4.1	16
32	Zinc Absorption by Adults Is Similar from Intrinsically Labeled Zinc-Biofortified Rice and from Rice Fortified with Labeled Zinc Sulfate. <i>Journal of Nutrition</i> , 2016 , 146, 76-80	4.1	15
31	Mixture of ferric sodium ethylenediaminetetraacetate (NaFeEDTA) and ferrous sulfate: an effective iron fortificant for complementary foods for young Chinese children. <i>Food and Nutrition Bulletin</i> , 2012 , 33, 111-6	1.8	13

30	An intensified training schedule in recreational male runners is associated with increases in erythropoiesis and inflammation and a net reduction in plasma hepcidin. <i>American Journal of Clinical Nutrition</i> , 2018 , 108, 1324-1333	7	13
29	Iron bioavailability from fresh cheese fortified with iron-enriched yeast. <i>European Journal of Nutrition</i> , 2017 , 56, 1551-1560	5.2	11
28	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. <i>British Journal of Nutrition</i> , 2016 , 116, 1046-60	3.6	10
27	Iron bioavailability from bouillon fortified with a novel ferric phytate compound: a stable iron isotope study in healthy women (part II). <i>Scientific Reports</i> , 2020 , 10, 5339	4.9	8
26	Iodine bioavailability from cow milk: a randomized, crossover balance study in healthy iodine-replete adults. <i>American Journal of Clinical Nutrition</i> , 2019 , 110, 102-110	7	8
25	Magnetic Control of Macromolecular Conformations in Supramolecular Anionic Polysaccharide-Iron Complexes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13289-92	16.4	8
24	Evaluation of Simple and Inexpensive High-Throughput Methods for Phytic Acid Determination. <i>JAACS, Journal of the American Oil Chemists Society</i> , 2017 , 94, 353-362	1.8	7
23	Iron Absorption is Greater from Apo-Lactoferrin and is Similar Between Holo-Lactoferrin and Ferrous Sulfate: Stable Iron Isotope Studies in Kenyan Infants. <i>Journal of Nutrition</i> , 2020 , 150, 3200-3207 ^{4.1}	4.1	7
22	Iron Bioavailability from Ferric Pyrophosphate in Extruded Rice Co-fortified with Zinc Sulfate Is Greater than When Co-fortified with Zinc Oxide in a Human Stable Isotope Study. <i>Journal of Nutrition</i> , 2017 , 147, 377-383	4.1	6
21	Zinc Absorption from Milk Is Affected by Dilution but Not by Thermal Processing, and Milk Enhances Absorption of Zinc from High-Phytate Rice in Young Dutch Women. <i>Journal of Nutrition</i> , 2017 , 147, 1086-1093	4.1	6
20	Effects of feed iodine concentrations and milk processing on iodine concentrations of cows' milk and dairy products, and potential impact on iodine intake in Swiss adults. <i>British Journal of Nutrition</i> , 2019 , 122, 172-185	3.6	6
19	Efficacy of highly bioavailable zinc from fortified water: a randomized controlled trial in rural Beninese children. <i>American Journal of Clinical Nutrition</i> , 2015 , 102, 1238-48	7	6
18	The effect of iron dosing schedules on plasma hepcidin and iron absorption in Kenyan infants. <i>American Journal of Clinical Nutrition</i> , 2020 , 112, 1132-1141	7	6
17	Measurement of long-term iron absorption and loss during iron supplementation using a stable isotope of iron (Fe). <i>British Journal of Haematology</i> , 2021 , 192, 179-189	4.5	6
16	Acute Consumption of Prebiotic Galacto-Oligosaccharides Increases Iron Absorption from Ferrous Fumarate, but not from Ferrous Sulfate and Ferric Pyrophosphate: Stable Iron Isotope Studies in Iron-Depleted Young Women. <i>Journal of Nutrition</i> , 2020 , 150, 2391-2397	4.1	5
15	Iron homeostasis during anemia of inflammation: a prospective study of patients with tuberculosis. <i>Blood</i> , 2021 , 138, 1293-1303	2.2	5
14	Threshold ferritin and hepcidin concentrations indicating early iron deficiency in young women based on upregulation of iron absorption. <i>EClinicalMedicine</i> , 2021 , 39, 101052	11.3	5
13	Cold Extrusion but Not Coating Affects Iron Bioavailability from Fortified Rice in Young Women and Is Associated with Modifications in Starch Microstructure and Mineral Retention during Cooking. <i>Journal of Nutrition</i> , 2017 , 147, 2319-2325	4.1	4

12	The Use of Q-ICPMS to Apply Enriched Zinc Stable Isotope Source Tracing for Organic Fertilizers. <i>Frontiers in Plant Science</i> , 2019 , 10, 1382	6.2	4
11	The bioavailability of iron picolinate is comparable to iron sulfate when fortified into a complementary fruit yogurt: a stable iron isotope study in young women. <i>European Journal of Nutrition</i> , 2020 , 59, 1371-1378	5.2	4
10	Consumption of a Single Dose of Prebiotic Galacto-Oligosaccharides Does Not Enhance Iron Absorption from Micronutrient Powders in Kenyan Infants: A Stable Iron Isotope Study. <i>Journal of Nutrition</i> , 2021 , 151, 1205-1212	4.1	3
9	The effect of lipids, a lipid-rich ready-to-use therapeutic food, or a phytase on iron absorption from maize-based meals fortified with micronutrient powders. <i>American Journal of Clinical Nutrition</i> , 2017 , 105, 1521-1527	7	2
8	In women, central obesity predicts higher inflammation, higher serum hepcidin, lower absorption and hypoferremia. <i>Proceedings of the Nutrition Society</i> , 2020 , 79,	2.9	1
7	Kinetics of iron absorption from ferrous fumarate with and without galacto-oligosaccharides determined from stable-isotope appearance curves in women. <i>American Journal of Clinical Nutrition</i> , 2021 ,	7	1
6	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. <i>FASEB Journal</i> , 2010 , 24, 208.1	0.9	1
5	Direct assessment of body iron balance in women with and without iron supplementation using a long-term isotope dilution method in Benin and Switzerland. <i>American Journal of Clinical Nutrition</i> , 2021 , 113, 1657-1669	7	1
4	Isotopic measurement of iron requirements in sub-Saharan African children. <i>American Journal of Clinical Nutrition</i> , 2021 , 114, 986-996	7	1
3	Magnetic Control of Macromolecular Conformations in Supramolecular Anionic Polysaccharide-Iron Complexes. <i>Angewandte Chemie</i> , 2015 , 127, 13487-13490	3.6	
2	A novel, high precision multiple-meal stable isotope method to compare iron absorption from extruded FePP-fortified rice containing different zinc compounds, citric acid/trisodium citrate and EDTA in Ghanaian children. <i>FASEB Journal</i> , 2017 , 31, 436.5	0.9	
1	Addition of Whole Wheat Flour During Injera Fermentation Degrades Phytic Acid and Triples Iron Absorption from Fortified Tef in Young Women. <i>Journal of Nutrition</i> , 2020 , 150, 2666-2672	4.1	