

Christophe Zeder

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

2,644
citations

236925

25
h-index

189892

50
g-index

70
all docs

70
docs citations

70
times ranked

2685
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 1981-1989.	1.4	372
2	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</i> , 2017, 4, e524-e533.	4.6	276
3	Polyphenols and Phytic Acid Contribute to the Low Iron Bioavailability from Common Beans in Young Women. <i>Journal of Nutrition</i> , 2010, 140, 1977-1982.	2.9	159
4	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.	3.5	113
5	Iron status and food matrix strongly affect the relative bioavailability of ferric pyrophosphate in humans. <i>American Journal of Clinical Nutrition</i> , 2006, 83, 632-638.	4.7	112
6	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, 1376-1382.	2.9	110
7	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, 1385-1392.	4.7	103
8	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, 132-136.	2.9	99
9	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, 539-544.	4.7	95
10	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, 1077-1080.	2.9	91
11	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, 1280-1287.	4.7	71
12	Bifidobacteria strains isolated from stools of iron deficient infants can efficiently sequester iron. <i>BMC Microbiology</i> , 2015, 15, 3.	3.3	47
13	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, 813-820.	4.7	45
14	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, 1081-1085.	2.3	43
15	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, 1467-1473.	2.9	42
16	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.	3.5	41
17	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, 104-109.	4.7	40
18	Threshold ferritin and hepcidin concentrations indicating early iron deficiency in young women based on upregulation of iron absorption. <i>EClinicalMedicine</i> , 2021, 39, 101052.	7.1	38

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19	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, 462-470.	4.7	37
20	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, 287-295.	4.5	36
21	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, 481-489.	2.3	32
22	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.	4.7	32
23	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.	2.9	32
24	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
25	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, 1252-1259.	4.7	28
26	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, 1361-1368.	3.9	27
27	Sodium pyrophosphate enhances iron bioavailability from bouillon cubes fortified with ferric pyrophosphate. <i>British Journal of Nutrition</i> , 2016, 116, 496-503.	2.3	27
28	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, 1245-1250.	2.3	26
29	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, 1394-1400.	2.9	26
30	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.	2.9	24
31	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.	2.9	24
32	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, 822-827.	2.9	23
33	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, 1233-1239.	2.9	22
34	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.	4.7	22
35	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.	4.7	21
36	Iron homeostasis during anemia of inflammation: a prospective study of patients with tuberculosis. <i>Blood</i> , 2021, 138, 1293-1303.	1.4	20

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37	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.	2.9	19
38	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.	4.7	18
39	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, 111-116.	1.4	15
40	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.	2.3	15
41	Measurement of long-term iron absorption and loss during iron supplementation using a stable isotope of iron (⁵⁷ Fe). <i>British Journal of Haematology</i> , 2021, 192, 179-189.	2.5	15
42	Iron bioavailability from fresh cheese fortified with iron-enriched yeast. <i>European Journal of Nutrition</i> , 2017, 56, 1551-1560.	3.9	14
43	Maternal iron kinetics and maternal-fetal iron transfer in normal-weight and overweight pregnancy. <i>American Journal of Clinical Nutrition</i> , 2022, 115, 1166-1179.	4.7	14
44	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.	3.3	13
45	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, 1238-1248.	4.7	12
46	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, 1046-1060.	2.3	12
47	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.	2.9	11
48	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. <i>Journal of Nutrition</i> , 2017, 147, jn241778.	2.9	10
49	Magnetic Control of Macromolecular Conformations in Supramolecular Anionic Polysaccharide-iron Complexes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13289-13292.	13.8	9
50	Evaluation of Simple and Inexpensive High-Throughput Methods for Phytic Acid Determination. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2017, 94, 353-362.	1.9	9
51	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.	2.9	9
52	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.	2.9	8
53	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.	3.6	8
54	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.	3.9	7

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55	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.	2.9	7
56	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, ajcn142976.	4.7	6
57	Prebiotic Galacto-Oligosaccharides and Fructo-Oligosaccharides, but Not Acacia Gum, Increase Iron Absorption from a Single High-Dose Ferrous Fumarate Supplement in Iron-Depleted Women. <i>Journal of Nutrition</i> , 2022, 152, 1015-1021.	2.9	6
58	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> , 2022, 115, 949-957.	4.7	5
59	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.	4.7	3
60	Isotopic measurement of iron requirements in sub-Saharan African children. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 986-996.	4.7	3
61	Iron Bioavailability from Infant Cereals Containing Whole Grains and Pulses: A Stable Isotope Study in Malawian Children. <i>Journal of Nutrition</i> , 2022, 152, 826-834.	2.9	3
62	Higher Extrusion Temperature Induces Greater Formation of Less Digestible Type V and Retrograded Starch in Iron-Fortified Rice Grains But Does Not Affect Iron Bioavailability: Stable Isotope Studies in Young Women. <i>Journal of Nutrition</i> , 2021, , .	2.9	2
63	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.	2.9	1
64	In women, central obesity predicts higher inflammation, higher serum hepcidin, lower absorption and hypoferremia. <i>Proceedings of the Nutrition Society</i> , 2020, 79, .	1.0	1
65	Measuring Dietary Iron Absorption From Edible <i>Tenebrio molitor</i> 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.	0.3	1
66	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.	0.3	1
67	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.	0.5	1
68	Magnetic Control of Macromolecular Conformations in Supramolecular Anionic Polysaccharide-Iron Complexes. <i>Angewandte Chemie</i> , 2015, 127, 13487-13490.	2.0	0
69	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.	0.5	0
70	Iron Bioavailability from Ferrous Ammonium Phosphate, Ferrous Sulfate, and Ferric Pyrophosphate in an Instant Milk Drink—A Stable Isotope Study in Children. <i>Nutrients</i> , 2022, 14, 1640.	4.1	0