Diego Moretti

List of Publications by Year in descending order

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76 papers	3,144 citations	201674 27 h-index	161849 54 g-index
77 all docs	77 docs citations	77 times ranked	3581 citing authors

#	Article	IF	Citations
1	Iron fortification adversely affects the gut microbiome, increases pathogen abundance and induces intestinal inflammation in Kenyan infants. Gut, 2015, 64, 731-742.	12.1	477
2	Oral iron supplements increase hepcidin and decrease iron absorption from daily or twice-daily doses in iron-depleted young women. Blood, 2015, 126, 1981-1989.	1.4	372
3	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. Lancet Haematology,the, 2017, 4, e524-e533.	4.6	276
4	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, 822-829.	4.7	132
5	Prebiotic galacto-oligosaccharides mitigate the adverse effects of iron fortification on the gut microbiome: a randomised controlled study in Kenyan infants. Gut, 2017, 66, 1956-1967.	12.1	123
6	Iron absorption from supplements is greater with alternate day than with consecutive day dosing in iron-deficient anemic women. Haematologica, 2020, 105, 1232-1239.	3.5	113
7	Iron status and food matrix strongly affect the relative bioavailability of ferric pyrophosphate in humans. American Journal of Clinical Nutrition, 2006, 83, 632-638.	4.7	112
8	Iron Fortification Reduces Blood Lead Levels in Children in Bangalore, India. Pediatrics, 2006, 117, 2014-2021.	2.1	77
9	Development of a dried whole-blood spot thyroglobulin assay and its evaluation as an indicator of thyroid status in goitrous children receiving iodized salt. American Journal of Clinical Nutrition, 2003, 77, 1453-1458.	4.7	76
10	Particle Size Reduction and Encapsulation Affect the Bioavailability of Ferric Pyrophosphate in Rats. Journal of Nutrition, 2004, 134, 3301-3304.	2.9	71
11	Development and Evaluation of Ironâ€fortified Extruded Rice Grains. Journal of Food Science, 2005, 70, S330.	3.1	65
12	Oral iron supplementation in iron-deficient women: How much and how often?. Molecular Aspects of Medicine, 2020, 75, 100865.	6.4	64
13	Introduction of Iodized Salt to Severely Iodine-Deficient Children Does Not Provoke Thyroid Autoimmunity: A One-Year Prospective Trial in Northern Morocco. Thyroid, 2003, 13, 199-203.	4.5	63
14	Consumption of galacto-oligosaccharides increases iron absorption from a micronutrient powder containing ferrous fumarate and sodium iron EDTA: a stable-isotope study in Kenyan infants. American Journal of Clinical Nutrition, 2017, 106, 1020-1031.	4.7	61
15	Iron Status and Systemic Inflammation, but Not Gut Inflammation, Strongly Predict Gender-Specific Concentrations of Serum Hepcidin in Infants in Rural Kenya. PLoS ONE, 2013, 8, e57513.	2.5	47
16	The donation interval of 56 days requires extension to 180 days for whole blood donors to recover from changes in iron metabolism. Blood, 2016, 128, 2185-2188.	1.4	44
17	Bioavailability of iron, zinc, folic acid, and vitamin A from fortified maize. Annals of the New York Academy of Sciences, 2014, 1312, 54-65.	3.8	42
18	The opposing effects of acute inflammation and iron deficiency anemia on serum hepcidin and iron absorption in young women. Haematologica, 2019, 104, 1143-1149.	3.5	41

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19	Iron-containing micronutrient powders modify the effect of oral antibiotics on the infant gut microbiome and increase post-antibiotic diarrhoea risk: a controlled study in Kenya. Gut, 2019, 68, 645-653.	12.1	40
20	The effects of fat loss after bariatric surgery on inflammation, serum hepcidin, and iron absorption: a prospective 6-mo iron stable isotope study. American Journal of Clinical Nutrition, 2016, 104, 1030-1038.	4.7	38
21	Threshold ferritin and hepcidin concentrations indicating early iron deficiency in young women based on upregulation of iron absorption. EClinicalMedicine, 2021, 39, 101052.	7.1	38
22	Maize Porridge Enriched with a Micronutrient Powder Containing Low-Dose Iron as NaFeEDTA but Not Amaranth Grain Flour Reduces Anemia and Iron Deficiency in Kenyan Preschool Children. Journal of Nutrition, 2012, 142, 1756-1763.	2.9	36
23	The Importance of Iron Status for Young Children in Low- and Middle-Income Countries: A Narrative Review. Pharmaceuticals, 2019, 12, 59.	3.8	36
24	In Rwandese Women with Low Iron Status, Iron Absorption from Low-Phytic Acid Beans and Biofortified Beans Is Comparable, but Low-Phytic Acid Beans Cause Adverse Gastrointestinal Symptoms. Journal of Nutrition, 2016, 146, 970-975.	2.9	35
25	Sensitivity of fatty acid desaturation and elongation to plasma zinc concentration: a randomised controlled trial in Beninese children. British Journal of Nutrition, 2018, 119, 610-619.	2.3	33
26	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.	2.9	32
27	The Impact of Morning versus Afternoon Exercise on Iron Absorption in Athletes. Medicine and Science in Sports and Exercise, 2019, 51, 2147-2155.	0.4	32
28	Dietary intake of eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA) in children â€“ a workshop report. British Journal of Nutrition, 2010, 103, 923-928.	2.3	29
29	Relevance of dietary iron intake and bioavailability in the management of HFE hemochromatosis: a systematic review. American Journal of Clinical Nutrition, 2013, 98, 468-479.	4.7	29
30	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. American Journal of Clinical Nutrition, 2016, 103, 1252-1259.	4.7	28
31	Whole Cowpea Meal Fortified with NaFeEDTA Reduces Iron Deficiency among Ghanaian School Children in a Malaria Endemic Area. Journal of Nutrition, 2012, 142, 1836-1842.	2.9	27
32	Sodium pyrophosphate enhances iron bioavailability from bouillon cubes fortified with ferric pyrophosphate. British Journal of Nutrition, 2016, 116, 496-503.	2.3	27
33	Phytic Acid-to-Iron Molar Ratio Rather than Polyphenol Concentration Determines Iron Bioavailability in Whole-Cowpea Meal among Young Women ,. Journal of Nutrition, 2012, 142, 1950-1955.	2.9	25
34	Rural Beninese Children Are at Risk of Zinc Deficiency According to Stunting Prevalence and Plasma Zinc Concentration but Not Dietary Zinc Intakes. Journal of Nutrition, 2016, 146, 114-123.	2.9	24
35	Dephytinisation with Intrinsic Wheat Phytase and Iron Fortification Significantly Increase Iron Absorption from Fonio (Digitaria exilis) Meals in West African Women. PLoS ONE, 2013, 8, e70613.	2.5	22
36	Inâ€home fortification with 2.5â€‰mg iron as <scp>NaFeEDTA</scp> does not reduce anaemia but increases weight gain: a randomised controlled trial in <scp>K</scp>enyan infants. Maternal and Child Nutrition, 2015, 11, 151-162.	3.0	22

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37	An intensified training schedule in recreational male runners is associated with increases in erythropoiesis and inflammation and a net reduction in plasma hepcidin. American Journal of Clinical Nutrition, 2018, 108, 1324-1333.	4.7	22
38	Efficacy and safety of hepcidin-based screen-and-treat approaches using two different doses versus a standard universal approach of iron supplementation in young children in rural Gambia: a double-blind randomised controlled trial. BMC Pediatrics, 2016, 16, 149.	1.7	21
39	Duration of exclusive breastfeeding is a positive predictor of iron status in 6â€•to 10â€•monthâ€•old infants in rural Kenya. Maternal and Child Nutrition, 2017, 13, .	3.0	20
40	A heat-stable microparticle platform for oral micronutrient delivery. Science Translational Medicine, 2019, 11, .	12.4	20
41	Iron homeostasis during anemia of inflammation: a prospective study of patients with tuberculosis. Blood, 2021, 138, 1293-1303.	1.4	20
42	Micronutrient-fortified rice can be a significant source of dietary bioavailable iron in schoolchildren from rural Ghana. Science Advances, 2019, 5, eaau0790.	10.3	18
43	Combining foodâ€based dietary recommendations using <scp>Optifood</scp> with zincâ€fortified water potentially improves nutrient adequacy among 4â€•to 6â€•yearâ€•old children in <scp>Kisumu West</scp> district, <scp>Kenya</scp>. Maternal and Child Nutrition, 2018, 14, e12515.	3.0	15
44	Measurement of longâ€term iron absorption and loss during iron supplementation using a stable isotope of iron (⁵⁷Fe). British Journal of Haematology, 2021, 192, 179-189.	2.5	15
45	Iron bioavailability from bouillon fortified with a novel ferric phytate compound: a stable iron isotope study in healthy women (part II). Scientific Reports, 2020, 10, 5339.	3.3	13
46	Efficacy of highly bioavailable zinc from fortified water: a randomized controlled trial in rural Beninese children. American Journal of Clinical Nutrition, 2015, 102, 1238-1248.	4.7	12
47	Polyphenol-rich tea decreases iron absorption from fortified wheat bread in Senegalese motherâ€“child pairs and bioavailability of ferrous fumarate is sharply lower in children. European Journal of Clinical Nutrition, 2020, 74, 1221-1228.	2.9	12
48	Folate Catabolites in Spot Urine as Non-Invasive Biomarkers of Folate Status during Habitual Intake and Folic Acid Supplementation. PLoS ONE, 2013, 8, e56194.	2.5	12
49	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, jn241778.	2.9	10
50	Bouillon Cubes. , 2018, , 159-165.		10
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. Journal of Nutrition, 2017, 147, 1086-1093.	2.9	9
52	Three-month B vitamin supplementation in pre-school children affects folate status and homocysteine, but not cognitive performance. European Journal of Nutrition, 2014, 53, 1445-1456.	3.9	8
53	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. Journal of Nutrition, 2017, 147, 2319-2325.	2.9	8
54	Plant-Based Diets and Iron Status. , 2017, , 715-727.		8

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55	Effectiveness of zinc-fortified water on zinc intake, status and morbidity in Kenyan pre-school children: a randomised controlled trial. Public Health Nutrition, 2018, 21, 2855-2865.	2.2	8
56	Asymptomatic Helicobacter Pylori Infection in Preschool Children and Young Women Does Not Predict Iron Bioavailability from Iron-Fortified Foods. Nutrients, 2019, 11, 2093.	4.1	8
57	The <i>TMPRSS6</i> variant (SNP rs855791) affects iron metabolism and oral iron absorption â€“ a stable iron isotope study in Taiwanese women. Haematologica, 2021, 106, 2897-2905.	3.5	8
58	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. European Journal of Nutrition, 2020, 59, 1371-1378.	3.9	7
59	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. American Journal of Clinical Nutrition, 2017, 105, ajcn142976.	4.7	6
60	Prediction of human iron bioavailability using rapid c-ELISAs for human plasma hepcidin. Clinical Chemistry and Laboratory Medicine, 2017, 55, 1186-1192.	2.3	6
61	The effect of a natural polyphenol supplement on iron absorption in adults with hereditary hemochromatosis. European Journal of Nutrition, 2022, 61, 2967-2977.	3.9	6
62	Comparing intake estimations based on food composition data with chemical analysis in Malian women. Public Health Nutrition, 2017, 20, 1351-1361.	2.2	5
63	Methodological Considerations for Investigating Iron Status and Regulation in Exercise and Sport Science Studies. International Journal of Sport Nutrition and Exercise Metabolism, 2022, 32, 359-370.	2.1	5
64	High Bioavailability from Ferric Pyrophosphate-Fortified Bouillon Cubes in Meals is Not Increased by Sodium Pyrophosphate: a Stable Iron Isotope Study in Young Nigerian Women. Journal of Nutrition, 2019, 149, 723-729.	2.9	4
65	Direct assessment of body iron balance in women with and without iron supplementation using a long-term isotope dilution method in Benin and Switzerland. American Journal of Clinical Nutrition, 2021, 113, 1657-1669.	4.7	3
66	Isotopic measurement of iron requirements in sub-Saharan African children. American Journal of Clinical Nutrition, 2021, 114, 986-996.	4.7	3
67	Iron Bioavailability from Infant Cereals Containing Whole Grains and Pulses: A Stable Isotope Study in Malawian Children. Journal of Nutrition, 2022, 152, 826-834.	2.9	3
68	Iron fortification reduces blood lead levels in children: a randomized, doubleâ€blind, controlled trial in Bangalore, India. FASEB Journal, 2006, 20, A131.	0.5	2
69	A Natural Low Phytic Acid Finger Millet Accession Significantly Improves Iron Bioavailability in Indian Women. Frontiers in Nutrition, 2021, 8, 791392.	3.7	2
70	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. Journal of Nutrition, 2021, , .	2.9	2
71	Novel approaches to oral iron treatment. HemaSphere, 2019, 3, 109-111.	2.7	1
72	Iron status and food matrix strongly affect the relative bioavailability of ferric pyrophosphate in humans. FASEB Journal, 2006, 20, A625.	0.5	1

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73	The Donation Interval of 56 Days Requires Extension to 180 Days for Whole Blood Donors to Recover from Disturbances in Iron Homeostasis. Blood, 2015, 126, 774-774.	1.4	0
74	A novel, high precision multipleâ€meal stable isotope method to compare iron absorption from extruded FePPâ€fortified rice containing different zinc compounds, citric acid/trisodium citrate and EDTA in Ghanaian children. FASEB Journal, 2017, 31, 436.5.	0.5	0
75	Optimization Routines for Enforcing One-to-One Matches in Record Linkage Problems. R Journal, 2019, 11, 185.	1.8	0
76	Athlete Iron Consumption: Timing Is Everything, But When Is Best?. Medicine and Science in Sports and Exercise, 2019, 51, 295-296.	0.4	0