Fernando Pizarro

List of Publications by Year
in descending order

112 papers	3,488 citations	117571 34 h-index	161767 54 g-index
115 all docs	115 docs citations	115 times ranked	3641 citing authors

#	Article	IF	Citations
1	Exploratory Study: Excessive Iron Supplementation Reduces Zinc Content in Pork without Affecting Iron and Copper. Animals, 2021, 11, 776.	1.0	0
2	Zinc absorption and zinc status are reduced after either sleeve gastrectomy or Roux-en-Y gastric bypass in premenopausal women with severe obesity studied prospectively over 24 postoperative months. American Journal of Clinical Nutrition, 2021, 114, 322-329.	2.2	4
3	Prevalencia de anemia en niÃ±os de 1 a 4 aÃ±os de edad en AsunciÃ³n y Central. Paraguay 2017. Pediatria, 2021, 48, 120-126.	0.0	1
4	Effect of various calcium salts on non-heme iron bioavailability in fasted women of childbearing age. Journal of Trace Elements in Medicine and Biology, 2018, 49, 8-12.	1.5	11
5	Pectin Esterification Degree in the Bioavailability of Non-heme Iron in Women. Biological Trace Element Research, 2018, 181, 38-43.	1.9	3
6	Preparation and characterization of iron-alginate beads with some types of iron used in supplementation and fortification strategies. Food Hydrocolloids, 2018, 74, 1-10.	5.6	24
7	Prebiotics increase heme iron bioavailability and do not affect non-heme iron bioavailability in humans. Food and Function, 2017, 8, 1994-1999.	2.1	38
8	EncapsulaciÃ³n de hierro: Otra estrategia para la prevenciÃ³n o tratamiento de la anemia por deficiencia de hierro. Revista Chilena De Nutricion, 2017, 44, 234-243.	0.1	5
9	The effect of proteins from animal source foods on heme iron bioavailability in humans. Food Chemistry, 2016, 196, 733-738.	4.2	30
10	Acute Copper and Ascorbic Acid Supplementation Inhibits Non-heme Iron Absorption in Humans. Biological Trace Element Research, 2016, 172, 315-319.	1.9	5
11	Heme Iron Release from Alginate Beads at In Vitro Simulated Gastrointestinal Conditions. Biological Trace Element Research, 2016, 172, 251-257.	1.9	12
12	The Effect of Plant Proteins Derived from Cereals and Legumes on Heme Iron Absorption. Nutrients, 2015, 7, 8977-8986.	1.7	17
13	Iron Absorption from Two Milk Formulas Fortified with Iron Sulfate Stabilized with Maltodextrin and Citric Acid. Nutrients, 2015, 7, 8952-8959.	1.7	9
14	Effect of phytic acid, tannic acid and pectin on fasting iron bioavailability both in the presence and absence of calcium. Journal of Trace Elements in Medicine and Biology, 2015, 30, 112-117.	1.5	40
15	Effect of Daily Supplementation with Iron and Zinc on Iron Status of Childbearing Age Women. Biological Trace Element Research, 2015, 165, 10-17.	1.9	15
16	Body mass index, iron absorption and iron status in childbearing age women. Journal of Trace Elements in Medicine and Biology, 2015, 30, 215-219.	1.5	41
17	Preparation and characterization of heme iron-alginate beads. LWT - Food Science and Technology, 2014, 59, 1283-1289.	2.5	32
18	One-month of calcium supplementation does not affect iron bioavailability: AÂrandomized controlled trial. Nutrition, 2014, 30, 44-48.	1.1	11

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19	Effect of Calcium, Tannic Acid, Phytic Acid and Pectin over Iron Uptake in an In Vitro Caco-2 Cell Model. Biological Trace Element Research, 2014, 158, 122-127.	1.9	19
20	Reducing iron deficiency anemia in Bolivian school children: Calcium and iron combined versus iron supplementation alone. Nutrition, 2014, 30, 771-775.	1.1	11
21	Effect of Increasing Levels of Zinc Fortificant on the Iron Absorption of Bread Co-Fortified with Iron and Zinc Consumed with a Black Tea. Biological Trace Element Research, 2013, 154, 321-325.	1.9	8
22	Bioavailability of Stabilised Ferrous Gluconate with Glycine in Fresh Cheese Matrix: a Novel Iron Compound for Food Fortification. Biological Trace Element Research, 2013, 151, 441-445.	1.9	5
23	Effect of Zinc Sulfate Fortificant on Iron Absorption from Low Extraction Wheat Flour Co-Fortified with Ferrous Sulfate. Biological Trace Element Research, 2013, 151, 471-475.	1.9	9
24	Copper Supplementation at 8Âmg Neither Affects Circulating Lipids nor Liver Function in Apparently Healthy Chilean Men. Biological Trace Element Research, 2013, 156, 1-4.	1.9	11
25	Is a 40Â% Absorption of Iron from a Ferrous Ascorbate Reference Dose Appropriate to Assess Iron Absorption Independent of Iron Status?. Biological Trace Element Research, 2013, 155, 322-326.	1.9	9
26	Low prevalence of iron deficiency anemia between 1981 and 2010 in Chilean women of childbearing age. Salud Publica De Mexico, 2013, 55, 478.	0.1	9
27	Reply to Hoppe and HulthÃ©n. Journal of Nutrition, 2012, 142, 582.	1.3	0
28	Heme- and nonheme-iron absorption and iron status 12 mo after sleeve gastrectomy and Roux-en-Y gastric bypass in morbidly obese women. American Journal of Clinical Nutrition, 2012, 96, 810-817.	2.2	73
29	Absorption of Iron from Ferritin Is Independent of Heme Iron and Ferrous Salts in Women and Rat Intestinal Segments3. Journal of Nutrition, 2012, 142, 478-483.	1.3	97
30	Administration of High Doses of Copper to Capuchin Monkeys Does Not Cause Liver Damage but Induces Transcriptional Activation of Hepatic Proliferative Responses. Journal of Nutrition, 2012, 142, 233-237.	1.3	10
31	Effect of Increasing Concentrations of Zinc on the Absorption of Iron from Iron-Fortified Milk. Biological Trace Element Research, 2012, 150, 21-25.	1.9	3
32	Effect of Trypsin and Mucin on Heme Iron Bioavailability in Humans. Biological Trace Element Research, 2012, 150, 37-41.	1.9	10
33	Non-heme Iron as Ferrous Sulfate Does Not Interact with Heme Iron Absorption in Humans. Biological Trace Element Research, 2012, 150, 68-73.	1.9	4
34	Iron, Copper, and Zinc Transport: Inhibition of Divalent Metal Transporter 1 (DMT1) and Human Copper Transporter 1 (hCTR1) by shRNA. Biological Trace Element Research, 2012, 146, 281-286.	1.9	85
35	Acute inhibition of iron bioavailability by zinc: studies in humans. BioMetals, 2012, 25, 657-664.	1.8	56
36	The Effect of Calcium on Non-heme Iron Uptake, Efflux, and Transport in Intestinal-like Epithelial Cells (Caco-2 Cells). Biological Trace Element Research, 2012, 145, 300-303.	1.9	11

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37	Chaperones CCS, ATOX and COXIV responses to copper supplementation in healthy adults. BioMetals, 2012, 25, 383-391.	1.8	8
38	Micronutrient Deficiencies in Patients With Typical and Atypical Celiac Disease. Journal of Pediatric Gastroenterology and Nutrition, 2011, 53, 265-270.	0.9	41
39	Transepithelial heme-iron transport: effect of heme oxygenase overexpression. European Journal of Nutrition, 2011, 50, 363-371.	1.8	4
40	Effect of dietary protein on heme iron uptake by Caco-2 cells. European Journal of Nutrition, 2011, 50, 637-643.	1.8	12
41	Searching for Specific Responses to Copper Exposure: An In Vitro Copper Challenge in Peripheral Mononuclear Cells. Biological Trace Element Research, 2011, 142, 407-414.	1.9	0
42	Total Iron, Heme Iron, Zinc, and Copper Content in Rabbit Meat and Viscera. Biological Trace Element Research, 2011, 143, 1489-1496.	1.9	16
43	Effect of Helicobacter pylori Infection on Iron Absorption in Asymptomatic Adults Consuming Wheat Flour Fortified with Iron and Zinc. Biological Trace Element Research, 2011, 144, 1318-1326.	1.9	6
44	Trace Element Status and Inflammation Parameters after 6ÂMonths of Roux-en-Y Gastric Bypass. Obesity Surgery, 2011, 21, 561-568.	1.1	26
45	Zinc absorption and zinc status are reduced after Roux-en-Y gastric bypass: a randomized study using 2 supplements. American Journal of Clinical Nutrition, 2011, 94, 1004-1011.	2.2	63
46	Calcium Does Not Inhibit the Absorption of 5 Milligrams of Nonheme or Heme Iron at Doses Less Than 800 Milligrams in Nonpregnant Women,. Journal of Nutrition, 2011, 141, 1652-1656.	1.3	39
47	Prevalencia de las deficiencias de zinc y cobre en adultos mayores de la RegiÃ³n Metropolitana de Santiago. Revista Medica De Chile, 2011, 139, 283-289.	0.1	7
48	Influence of Estrogens on Copper Indicators: In Vivo and In Vitro Studies. Biological Trace Element Research, 2010, 134, 252-264.	1.9	39
49	Acute Copper Supplementation Does Not Inhibit Non-Heme Iron Bioavailability in Humans. Biological Trace Element Research, 2010, 136, 180-186.	1.9	7
50	Total Iron and Heme Iron Content and their Distribution in Beef Meat and Viscera. Biological Trace Element Research, 2009, 132, 103-111.	1.9	47
51	Changes in Bone Mineral Density, Body Composition and Adiponectin Levels in Morbidly Obese Patients after Bariatric Surgery. Obesity Surgery, 2009, 19, 41-46.	1.1	146
52	Iron absorption and iron status are reduced after Roux-en-Y gastric bypass. American Journal of Clinical Nutrition, 2009, 90, 527-532.	2.2	95
53	Copper and Liver Function Indicators Vary Depending on the Female Hormonal Cycle and Serum Hormone Binding Globulin (SHBG) Concentration in Healthy Women. Biological Trace Element Research, 2008, 121, 9-15.	1.9	7
54	Copper, Iron, and Zinc Status in Children with Moderate and Severe Acute Malnutrition Recovered Following WHO Protocols. Biological Trace Element Research, 2008, 124, 1-11.	1.9	22

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55	Ceruloplasmin, an Indicator of Copper Status. Biological Trace Element Research, 2008, 123, 261-269.	1.9	16
56	Heme Iron Uptake by Caco-2 Cells is a Saturable, Temperature Sensitive and Modulated by Extracellular pH and Potassium. Biological Trace Element Research, 2008, 125, 109-119.	1.9	12
57	CCS and SOD1 mRNA are reduced after copper supplementation in peripheral mononuclear cells of individuals with high serum ceruloplasmin concentration. Journal of Nutritional Biochemistry, 2008, 19, 269-274.	1.9	38
58	Supplementation with zinc between meals has no effect on subsequent iron absorption or on iron status of Chilean women. Nutrition, 2008, 24, 957-963.	1.1	8
59	Caco-2 Intestinal Epithelial Cells Absorb Soybean Ferritin by Î¼2 (AP2)-Dependent Endocytosis. Journal of Nutrition, 2008, 138, 659-666.	1.3	110
60	Present situation of biomarkers for copper status. American Journal of Clinical Nutrition, 2008, 88, 859S-862S.	2.2	45
61	Copper in human health. International Journal of Environment and Health, 2007, 1, 608.	0.3	75
62	Acute inhibition of iron absorption by zinc. Nutrition Research, 2007, 27, 279-282.	1.3	16
63	Blood biochemical indicators in young and adult Cebus apella of both sexes. Journal of Medical Primatology, 2007, 37, 070526050130002-???.	0.3	8
64	Iron absorption from wheat flour: effects of lemonade and chamomile infusion. Nutrition, 2007, 23, 296-300.	1.1	17
65	New insights about iron bioavailability inhibition by zinc. Nutrition, 2007, 23, 292-295.	1.1	34
66	Persistent anemia after Roux-en-Y gastric bypass. Nutrition, 2007, 23, 277-280.	1.1	36
67	Case study of complaints on drinking water quality. Biological Trace Element Research, 2007, 116, 131-145.	1.9	3
68	Zinc inhibits nonheme iron bioavailability in humans. Biological Trace Element Research, 2007, 117, 7-14.	1.9	35
69	Case study of complaints on drinking water quality. Biological Trace Element Research, 2007, 116, 131-145.	1.9	0
70	Smaller iron particle size improves bioavailability of hydrogen-reduced ironâ€“fortified bread. Nutrition Research, 2006, 26, 235-239.	1.3	14
71	Heme oxygenase 1 overexpression increases iron fluxes in Caco-2 cells. Biological Research, 2006, 39, 195-7.	1.5	6
72	Ascorbyl palmitate enhances iron bioavailability in iron-fortified bread. American Journal of Clinical Nutrition, 2006, 84, 830-834.	2.2	18

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73	Erythrocyte CuZn Superoxide Dismutase Activity Is Decreased in Iron-Deficiency Anemia. Biological Trace Element Research, 2006, 112, 213-220.	1.9	2
74	Understanding copper homeostasis in humans and copper effects on health. Biological Research, 2006, 39, 183-7.	1.5	75
75	Supplementing Copper at the Upper Level of the Adult Dietary Recommended Intake Induces Detectable but Transient Changes in Healthy Adults. Journal of Nutrition, 2005, 135, 2367-2371.	1.3	31
76	Differential response of interleukin-2 production to chronic copper supplementation in healthy humans. European Cytokine Network, 2005, 16, 261-5.	1.1	17
77	Community-Based Randomized Double-Blind Study of Gastrointestinal Effects and Copper Exposure in Drinking Water. Environmental Health Perspectives, 2004, 112, 1068-1073.	2.8	56
78	Sex and Ceruloplasmin Modulate the Response to Copper Exposure in Healthy Individuals. Environmental Health Perspectives, 2004, 112, 1654-1657.	2.8	26
79	The Poor Bioavailability of Elemental Iron in Corn Masa Flour Is Not Affected by Disodium EDTA. Journal of Nutrition, 2004, 134, 380-383.	1.3	12
80	Bioavailability of elemental iron powder in white wheat bread. European Journal of Clinical Nutrition, 2004, 58, 555-558.	1.3	19
81	Nutritional status, food consumption and physical activity among Chilean school children: a descriptive study. European Journal of Clinical Nutrition, 2004, 58, 1278-1285.	1.3	81
82	Iron, zinc, and copper: contents in common Chilean foods and daily intakes in Santiago, Chile. Nutrition, 2004, 20, 205-212.	1.1	61
83	The Mechanisms for Regulating Absorption of Fe Bis-Glycine Chelate and Fe-Ascorbate in Caco-2 Cells Are Similar. Journal of Nutrition, 2004, 134, 395-398.	1.3	9
84	Copper exposure and potential biomarkers of copper metabolism. BioMetals, 2003, 16, 199-204.	1.8	46
85	Gastric response to acute copper exposure. Science of the Total Environment, 2003, 303, 253-257.	3.9	16
86	Confirmation of an acute no-observed-adverse-effect and low-observed-adverse-effect level for copper in bottled drinking water in a multi-site international study. Regulatory Toxicology and Pharmacology, 2003, 38, 389-399.	1.3	39
87	Research Communication: Heme-Iron Absorption Is Saturable by Heme-Iron Dose in Women. Journal of Nutrition, 2003, 133, 2214-2217.	1.3	22
88	Gastrointestinal symptoms and blood indicators of copper load in apparently healthy adults undergoing controlled copper exposure. American Journal of Clinical Nutrition, 2003, 77, 646-650.	2.2	75
89	Reply to O Pineda. American Journal of Clinical Nutrition, 2003, 78, 496.	2.2	2
90	Iron Bioavailability in Corn-Masa Tortillas Is Improved by the Addition of Disodium EDTA. Journal of Nutrition, 2003, 133, 3158-3161.	1.3	29

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91	Iron bis-glycine chelate competes for the nonheme-iron absorption pathway. American Journal of Clinical Nutrition, 2002, 76, 577-581.	2.2	30
92	Age and copper intake do not affect copper absorption, measured with the use of 65Cu as a tracer, in young infants. American Journal of Clinical Nutrition, 2002, 76, 641-645.	2.2	34
93	Nausea Threshold in Apparently Healthy Individuals Who Drink Fluids Containing Graded Concentrations of Copper. Regulatory Toxicology and Pharmacology, 2001, 33, 271-275.	1.3	50
94	Determination of an Acute No-Observed-Adverse-Effect Level (NOAEL) for Copper in Water. Regulatory Toxicology and Pharmacology, 2001, 34, 137-145.	1.3	75
95	Effect of acute copper exposure on gastrointestinal permeability in healthy volunteers. Digestive Diseases and Sciences, 2001, 46, 1909-1914.	1.1	38
96	Usefulness of serum transferrin receptor and serum ferritin in diagnosis of iron deficiency in infancy. American Journal of Clinical Nutrition, 2000, 72, 1191-1195.	2.2	75
97	Fortification. Modern Nutrition, 2000, , 153-183.	0.1	5
98	Anaemia and iron deficiency disease in children. British Medical Bulletin, 1999, 55, 534-543.	2.7	73
99	Bioavailability of iron supplements consumed daily is not different from that of iron supplements consumed weekly. Nutrition Research, 1999, 19, 179-190.	1.3	8
100	Bioavailability of microencapsulated ferrous sulfate in fluid cow's milk. Studies in human beings. Nutrition Research, 1999, 19, 893-897.	1.3	31
101	Iron absorption of ferric glycinate is controlled by iron stores. Nutrition Research, 1998, 18, 3-9.	1.3	11
102	Prevention of iron-deficiency anemia: Comparison of high- and low-iron formulas in term healthy infants after six months of life. Journal of Pediatrics, 1998, 132, 635-640.	0.9	97
103	Copper in Infant Nutrition: Safety of World Health Organization Provisional Guideline Value for Copper Content of Drinking Water. Journal of Pediatric Gastroenterology and Nutrition, 1998, 26, 251-257.	0.9	86
104	High Absorption of Fortification Iron From Current Infant Formulas. Journal of Pediatric Gastroenterology and Nutrition, 1998, 27, 425-430.	0.9	21
105	Milk Inhibits and Ascorbic Acid Favors Ferrous Bis-Glycine Chelate Bioavailability in Humans. Journal of Nutrition, 1997, 127, 1407-1411.	1.3	90
106	Iron, Anemia, and Infection. Nutrition Reviews, 1997, 55, 111-124.	2.6	98
107	GH-IGF Axis During Catch Up Growth in Small for Gestation Age (SGA) Infants. Journal of Pediatric Endocrinology and Metabolism, 1996, 9, 561-7.	0.4	14
108	Effect of Supplementation with an Iron-Fortified Milk on Incidence of Diarrhea and Respiratory Infection in Urban-Resident Infants. Scandinavian Journal of Infectious Diseases, 1995, 27, 385-389.	1.5	31

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109	Effect of iron stores on heme iron absorption. Nutrition Research, 1993, 13, 633-638.	1.3	12
110	Iron status with different infant feeding regimens: Relevance to screening and prevention of iron deficiency. Journal of Pediatrics, 1991, 118, 687-692.	0.9	139
111	Effect of an iron fortified milk on morbidity in infancy. A field trial. Nutrition Research, 1987, 7, 915-922.	1.3	15
112	Evaluation of Iron Status and Prevalence of Iron Deficiency in Infants in Chile. , 1983, , 273-283.		16