

Florentine M Hilty

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

784
citations

1040056

9
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

1215
citing authors

#	ARTICLE	IF	CITATIONS
1	Amyloid fibril systems reduce, stabilize and deliver bioavailable nanosized iron. <i>Nature Nanotechnology</i> , 2017, 12, 642-647.	31.5	216
2	Iron Depletion and Repletion with Ferrous Sulfate or Electrolytic Iron Modifies the Composition and Metabolic Activity of the Gut Microbiota in Rats ³ . <i>Journal of Nutrition</i> , 2012, 142, 271-277.	2.9	166
3	Iron from nanocompounds containing iron and zinc is highly bioavailable in rats without tissue accumulation. <i>Nature Nanotechnology</i> , 2010, 5, 374-380.	31.5	156
4	Nanocompounds of iron and zinc: their potential in nutrition. <i>Nanoscale</i> , 2011, 3, 2390.	5.6	50
5	Development and optimization of iron- and zinc-containing nanostructured powders for nutritional applications. <i>Nanotechnology</i> , 2009, 20, 475101.	2.6	44
6	Mechanisms of Iron Uptake from Ferric Phosphate Nanoparticles in Human Intestinal Caco-2 Cells. <i>Nutrients</i> , 2017, 9, 359.	4.1	38
7	Iron phosphate nanoparticles for food fortification: Biological effects in rats and human cell lines. <i>Nanotoxicology</i> , 2017, 11, 496-506.	3.0	36
8	Incorporation of Mg and Ca into Nanostructured Fe ₂ O ₃ Improves Fe Solubility in Dilute Acid and Sensory Characteristics in Foods. <i>Journal of Food Science</i> , 2011, 76, N2-10.	3.1	34
9	Proton-Promoted Iron Dissolution from Nanoparticles and the Influence by the Local Iron Environment. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24072-24080.	3.1	13
10	Schoolchildren in the Principality of Liechtenstein are mildly iodine deficient. <i>Public Health Nutrition</i> , 2011, 14, 1312-1314.	2.2	6
11	Multimineral nutritional supplements in a nano-CaO matrix. <i>Journal of Materials Research</i> , 2013, 28, 1129-1138.	2.6	6
12	Dissolution and storage stability of nanostructured calcium carbonates and phosphates for nutrition. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	5
13	Iron from nanostructured ferric phosphate: absorption and biodistribution in mice and bioavailability in iron deficient anemic women. <i>Scientific Reports</i> , 2022, 12, 2792.	3.3	5
14	Nano- and Pheroid technologies for development of foliar iron fertilizers and iron biofortification of soybean grown in South Africa. <i>Chemical and Biological Technologies in Agriculture</i> , 2018, 5, .	4.6	4
15	Chemical Composition but Not Specific Surface Area Affects Calcium Retention of Nanostructured Calcium Compounds in Growing Rats. <i>Journal of Nutrition</i> , 2017, 147, jn241927.	2.9	3
16	Iron fortification: Flame-made nanostructured Mg- or Ca-doped Fe oxides. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1316, 1.	0.1	0