

# Isabelle Herter-Aeberli

## List of Publications by Citations

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77  
papers

6,592  
citations

30  
h-index

81  
g-index

84  
ext. papers

8,358  
ext. citations

6.1  
avg, IF

6.07  
L-index

#	Paper	IF	Citations
77	Worldwide trends in body-mass index, underweight, overweight, and obesity from 1975 to 2016: a pooled analysis of 2416 population-based measurement studies in 128.9 million children, adolescents, and adults. <i>Lancet, The</i> , <b>2017</b> , 390, 2627-2642	40	2980
76	Evidence that the prevalence of childhood overweight is plateauing: data from nine countries. <i>Pediatric Obesity</i> , <b>2011</b> , 6, 342-60		429
75	Rising rural body-mass index is the main driver of the global obesity epidemic in adults. <i>Nature</i> , <b>2019</b> , 569, 260-264	50.4	278
74	Low to moderate sugar-sweetened beverage consumption impairs glucose and lipid metabolism and promotes inflammation in healthy young men: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , <b>2011</b> , 94, 479-85	7	229
73	Ten repeat collections for urinary iodine from spot samples or 24-hour samples are needed to reliably estimate individual iodine status in women. <i>Journal of Nutrition</i> , <b>2011</b> , 141, 2049-54	4.1	220
72	Thyroglobulin is a sensitive measure of both deficient and excess iodine intakes in children and indicates no adverse effects on thyroid function in the UIC range of 100-299 µg/L: a UNICEF/ICCIDD study group report. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2013</b> , 98, 1271-80	5.6	146
71	Adiposity in women and children from transition countries predicts decreased iron absorption, iron deficiency and a reduced response to iron fortification. <i>International Journal of Obesity</i> , <b>2008</b> , 32, 1098-104	5.5	142
70	Moderate amounts of fructose consumption impair insulin sensitivity in healthy young men: a randomized controlled trial. <i>Diabetes Care</i> , <b>2013</b> , 36, 150-6	14.6	138
69	Sharply higher rates of iron deficiency in obese Mexican women and children are predicted by obesity-related inflammation rather than by differences in dietary iron intake. <i>American Journal of Clinical Nutrition</i> , <b>2011</b> , 93, 975-83	7	129
68	Overweight children have higher circulating hepcidin concentrations and lower iron status but have dietary iron intakes and bioavailability comparable with normal weight children. <i>International Journal of Obesity</i> , <b>2009</b> , 33, 1111-7	5.5	124
67	Micronutrient status and intake in omnivores, vegetarians and vegans in Switzerland. <i>European Journal of Nutrition</i> , <b>2017</b> , 56, 283-293		120
66	Serum retinol-binding protein 4 concentration and its ratio to serum retinol are associated with obesity and metabolic syndrome components in children. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2007</b> , 92, 4359-65	5.6	115
65	Does obesity increase risk for iron deficiency? A review of the literature and the potential mechanisms. <i>International Journal for Vitamin and Nutrition Research</i> , <b>2010</b> , 80, 263-70	1.7	112
64	The Swiss iodized salt program provides adequate iodine for school children and pregnant women, but weaning infants not receiving iodine-containing complementary foods as well as their mothers are iodine deficient. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2010</b> , 95, 5217-24	5.6	102
63	Dietary intakes of fat and antioxidant vitamins are predictors of subclinical inflammation in overweight Swiss children. <i>American Journal of Clinical Nutrition</i> , <b>2006</b> , 84, 748-55	7	91
62	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> , <b>2021</b> , 5, 1317-1317	0.4	78
61	Fructose intake is a predictor of LDL particle size in overweight schoolchildren. <i>American Journal of Clinical Nutrition</i> , <b>2007</b> , 86, 1174-8	7	74

60	Height and body-mass index trajectories of school-aged children and adolescents from 1985 to 2019 in 200 countries and territories: a pooled analysis of 2181 population-based studies with 65 million participants. <i>Lancet, The</i> , <b>2020</b> , 396, 1511-1524	40	73
59	Interaction of positional isomers of quercetin glucuronides with the transporter ABCC2 (cMOAT, MRP2). <i>Drug Metabolism and Disposition</i> , <b>2007</b> , 35, 1262-8	4	68
58	Phytic acid degrading lactic acid bacteria in tef-injera fermentation. <i>International Journal of Food Microbiology</i> , <b>2014</b> , 190, 54-60	5.8	53
57	During rapid weight loss in obese children, reductions in TSH predict improvements in insulin sensitivity independent of changes in body weight or fat. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2010</b> , 95, 5412-8	5.6	52
56	In overweight and obese women, dietary iron absorption is reduced and the enhancement of iron absorption by ascorbic acid is one-half that in normal-weight women. <i>American Journal of Clinical Nutrition</i> , <b>2015</b> , 102, 1389-97	7	48
55	Dried Blood Spot Thyroglobulin as a Biomarker of Iodine Status in Pregnant Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2017</b> , 102, 23-32	5.6	44
54	Antioxidant supplements reduced oxidative stress and stabilized liver function tests but did not reduce inflammation in a randomized controlled trial in obese children and adolescents. <i>Journal of Nutrition</i> , <b>2014</b> , 144, 193-201	4.1	44
53	Dietary determinants of subclinical inflammation, dyslipidemia and components of the metabolic syndrome in overweight children: a review. <i>International Journal of Obesity</i> , <b>2008</b> , 32 Suppl 6, S11-8	5.5	42
52	Decrease in the prevalence of paediatric adiposity in Switzerland from 2002 to 2007. <i>Public Health Nutrition</i> , <b>2010</b> , 13, 806-11	3.3	38
51	Overweight impairs efficacy of iron supplementation in iron-deficient South African children: a randomized controlled intervention. <i>International Journal of Obesity</i> , <b>2013</b> , 37, 24-30	5.5	36
50	Disturbed eating at high altitude: influence of food preferences, acute mountain sickness and satiation hormones. <i>European Journal of Nutrition</i> , <b>2013</b> , 52, 625-35	5.2	33
49	Waist circumference and waist-to-height ratio percentiles in a nationally representative sample of 6-13 year old children in Switzerland. <i>Swiss Medical Weekly</i> , <b>2011</b> , 141, w13227	3.1	31
48	Iodine treatment in children with subclinical hypothyroidism due to chronic iodine deficiency decreases thyrotropin and C-peptide concentrations and improves the lipid profile. <i>Thyroid</i> , <b>2009</b> , 19, 1099-104	6.2	30
47	The thin-fat phenotype and global metabolic disease risk. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2011</b> , 14, 542-7	3.8	30
46	The effects of fat loss after bariatric surgery on inflammation, serum hepcidin, and iron absorption: a prospective 6-mo iron stable isotope study. <i>American Journal of Clinical Nutrition</i> , <b>2016</b> , 104, 1030-1038	7	29
45	Baseline leptin and leptin reduction predict improvements in metabolic variables and long-term fat loss in obese children and adolescents: a prospective study of an inpatient weight-loss program. <i>American Journal of Clinical Nutrition</i> , <b>2011</b> , 93, 695-702	7	29
44	Stabilization of the prevalence of childhood obesity in Switzerland. <i>Swiss Medical Weekly</i> , <b>2010</b> , 140, w13046	3.1	26
43	Vitamin and Mineral Status in a Vegan Diet. <i>Deutsches A&amp;#x0308;rztblatt International</i> , <b>2020</b> , 117, 575-582	2.5	23

42	International Waist Circumference Percentile Cutoffs for Central Obesity in Children and Adolescents Aged 6 to 18 Years. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2020</b> , 105,	5.6	22
41	Iodine Supplementation Decreases Hypercholesterolemia in Iodine-Deficient, Overweight Women: A Randomized Controlled Trial. <i>Journal of Nutrition</i> , <b>2015</b> , 145, 2067-75	4.1	21
40	The increase of fatty acid-binding protein aP2 in overweight and obese children: interactions with dietary fat and impact on measures of subclinical inflammation. <i>International Journal of Obesity</i> , <b>2008</b> , 32, 1513-20	5.5	21
39	Diet determines features of the metabolic syndrome in 6- to 14-year-old children. <i>International Journal for Vitamin and Nutrition Research</i> , <b>2009</b> , 79, 14-23	1.7	21
38	Moderate-to-Severe Iodine Deficiency in the "First 1000 Days" Causes More Thyroid Hypofunction in Infants Than in Pregnant or Lactating Women. <i>Journal of Nutrition</i> , <b>2017</b> , 147, 589-595	4.1	19
37	The main determinants of iodine in cows milk in Switzerland are farm type, season and teat dipping. <i>British Journal of Nutrition</i> , <b>2018</b> , 119, 559-569	3.6	16
36	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> , <b>2019</b> , 149, 738-746	4.1	16
35	The effect of central obesity on inflammation, hepcidin, and iron metabolism in young women. <i>International Journal of Obesity</i> , <b>2020</b> , 44, 1291-1300	5.5	15
34	Pediatric adiposity stabilized in Switzerland between 1999 and 2012. <i>European Journal of Nutrition</i> , <b>2014</b> , 53, 865-75	5.2	15
33	Greater blood volume and Hb mass in obese women quantified by the carbon monoxide-rebreathing method affects interpretation of iron biomarkers and iron requirements. <i>International Journal of Obesity</i> , <b>2019</b> , 43, 999-1008	5.5	14
32	Increased risk of iron deficiency and reduced iron absorption but no difference in zinc, vitamin A or B-vitamin status in obese women in India. <i>European Journal of Nutrition</i> , <b>2016</b> , 55, 2411-2421		12
31	A composite score combining waist circumference and body mass index more accurately predicts body fat percentage in 6- to 13-year-old children. <i>European Journal of Nutrition</i> , <b>2013</b> , 52, 247-53	5.2	12
30	Effectiveness of increased salt iodine concentration on iodine status: trend analysis of cross-sectional national studies in Switzerland. <i>European Journal of Nutrition</i> , <b>2020</b> , 59, 581-593	5.2	12
29	Vegan Diet and Bone Health-Results from the Cross-Sectional RBVD Study. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	12
28	Sugar-sweetened beverages with moderate amounts of fructose, but not sucrose, induce Fatty Acid synthesis in healthy young men: a randomized crossover study. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2014</b> , 99, 2164-72	5.6	11
27	Risk factors for overweight and obesity in Swiss primary school children: results from a representative national survey. <i>European Journal of Nutrition</i> , <b>2016</b> , 55, 621-629	5.2	9
26	Reduced insulin sensitivity as a marker for acute mountain sickness?. <i>High Altitude Medicine and Biology</i> , <b>2013</b> , 14, 240-50	1.9	9
25	In Haitian women and preschool children, iron absorption from wheat flour-based meals fortified with sodium iron EDTA is higher than that from meals fortified with ferrous fumarate, and is not affected by <i>Helicobacter pylori</i> infection in children. <i>British Journal of Nutrition</i> , <b>2017</b> , 118, 273-279	3.6	9

24	Strengthening the immunity of the Swiss population with micronutrients: A narrative review and call for action. <i>Clinical Nutrition ESPEN</i> , <b>2021</b> , 43, 39-48	1.3	9
23	Iodine bioavailability from cow milk: a randomized, crossover balance study in healthy iodine-replete adults. <i>American Journal of Clinical Nutrition</i> , <b>2019</b> , 110, 102-110	7	8
22	Efficient <sup>41</sup> Ca measurements for biomedical applications. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2015</b> , 361, 273-276	1.2	8
21	Significant Decrease in Childhood Obesity and Waist Circumference over 15 Years in Switzerland: A Repeated Cross-Sectional Study. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	7
20	Effects of exergame training combined with omega-3 fatty acids on the elderly brain: a randomized double-blind placebo-controlled trial. <i>BMC Geriatrics</i> , <b>2019</b> , 19, 81	4.1	7
19	Micronutrient supply and health outcomes in children. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2013</b> , 16, 328-38	3.8	7
18	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> , <b>2019</b> , 122, 172-185	3.6	6
17	Validation of a Food Frequency Questionnaire to Assess Intake of Polyunsaturated Fatty Acids in Switzerland. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	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> , <b>2020</b> , 150, 2391-2397	4.1	5
15	The effect of body composition and serum inflammatory markers on the functional muscle-bone unit in premenopausal women. <i>International Journal of Obesity</i> , <b>2017</b> , 41, 1203-1206	5.5	4
14	Oral Vitamin D Supplements Increase Serum 25-Hydroxyvitamin D in Postmenopausal Women and Reduce Bone Calcium Flux Measured by <sup>41</sup> Ca Skeletal Labeling. <i>Journal of Nutrition</i> , <b>2015</b> , 145, 2333-40	4.1	4
13	The Potential of Fermentation and Contamination of Teff by Soil to Influence Iron Intake and Bioavailability from Injera Flatbread. <i>International Journal for Vitamin and Nutrition Research</i> , <b>2017</b> , 87, 75-84	1.7	4
12	Asymptomatic Infection in Preschool Children and Young Women Does Not Predict Iron Bioavailability from Iron-Fortified Foods. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	3
11	Inadequate Status and Low Awareness of Folate in Switzerland-A Call to Strengthen Public Health Measures to Ensure Sufficient Intakes. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	3
10	The Potential of Prebiotic and Probiotic Supplementation During Obese Pregnancy to Improve Maternal and Offspring Metabolic Health and Reduce Obesity Risk-A Narrative Review.. <i>Frontiers in Nutrition</i> , <b>2022</b> , 9, 819882	6.2	3
9	In women, central obesity predicts higher inflammation, higher serum hepcidin, lower absorption and hypoferremia. <i>Proceedings of the Nutrition Society</i> , <b>2020</b> , 79,	2.9	1
8	Response to Comment on: Aeberli et al. Moderate amounts of fructose consumption impair insulin sensitivity in healthy young men: a randomized controlled trial. <i>Diabetes Care</i> 2013;36:150-156. <i>Diabetes Care</i> , <b>2013</b> , 36, e105	14.6	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> , <b>2021</b> ,	7	1

6	Glycaemic control, insulin resistance and obesity <b>2007</b> , 43-57	1
5	Reply to JS White. <i>American Journal of Clinical Nutrition</i> , <b>2012</b> , 95, 773-774	7
4	Compared to Normal-Weight Pregnant Women, Overweight Pregnant Women Fail to Upregulate Iron Absorption in the Third Trimester Despite Iron Deficiency and Their Infants Are Born with Lower Body Iron Stores. <i>Blood</i> , <b>2020</b> , 136, 51-52	2.2
3	The effects of reducing chronic inflammation in overweight women on serum hepcidin and iron absorption with and without supplemental ascorbic acid. <i>British Journal of Nutrition</i> , <b>2021</b> , 126, 877-884	3.6
2	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> , <b>2020</b> , 150, 2666-2672	4.1
1	A test to measure oral iron absorption and glucose tolerance simultaneously in 18 to 55 year old premenopausal women. <i>Clinical Nutrition ESPEN</i> , <b>2021</b> , 46, 325-329	1.3