

Jeannine Baumgartner

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54
papers

871
citations

17
h-index

28
g-index

55
ext. papers

1,061
ext. citations

4.9
avg, IF

4.08
L-index

#	Paper	IF	Citations
54	Amyloid fibril systems reduce, stabilize and deliver bioavailable nanosized iron. <i>Nature Nanotechnology</i> , 2017 , 12, 642-647	28.7	151
53	Effects of iron and n-3 fatty acid supplementation, alone and in combination, on cognition in school children: a randomized, double-blind, placebo-controlled intervention in South Africa. <i>American Journal of Clinical Nutrition</i> , 2012 , 96, 1327-38	7	68
52	Effects of iron supplementation on dominant bacterial groups in the gut, faecal SCFA and gut inflammation: a randomised, placebo-controlled intervention trial in South African children. <i>British Journal of Nutrition</i> , 2014 , 112, 547-56	3.6	66
51	Urinary iodine concentrations indicate iodine deficiency in pregnant Thai women but iodine sufficiency in their school-aged children. <i>Journal of Nutrition</i> , 2009 , 139, 1169-72	4.1	63
50	A micronutrient powder with low doses of highly absorbable iron and zinc reduces iron and zinc deficiency and improves weight-for-age Z-scores in South African children. <i>Journal of Nutrition</i> , 2011 , 141, 237-42	4.1	51
49	Overweight impairs efficacy of iron supplementation in iron-deficient South African children: a randomized controlled intervention. <i>International Journal of Obesity</i> , 2013 , 37, 24-30	5.5	36
48	Effects of a multi-micronutrient-fortified beverage, with and without sugar, on growth and cognition in South African schoolchildren: a randomised, double-blind, controlled intervention. <i>British Journal of Nutrition</i> , 2013 , 110, 2271-84	3.6	32
47	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, 287-95	6.2	29
46	A dose-response crossover iodine balance study to determine iodine requirements in early infancy. <i>American Journal of Clinical Nutrition</i> , 2016 , 104, 620-8	7	29
45	Leveraging ongoing research to evaluate the health impacts of South Africa's salt reduction strategy: a prospective nested cohort within the WHO-SAGE multicountry, longitudinal study. <i>BMJ Open</i> , 2016 , 6, e013316	3	27
44	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	7	26
43	Breast-Milk Iodine Concentrations, Iodine Status, and Thyroid Function of Breastfed Infants Aged 2-4 Months and Their Mothers Residing in a South African Township. <i>JCRPE Journal of Clinical Research in Pediatric Endocrinology</i> , 2016 , 8, 381-391	1.9	21
42	Nutrition during pregnancy and early development (NuPED) in urban South Africa: a study protocol for a prospective cohort. <i>BMC Pregnancy and Childbirth</i> , 2018 , 18, 308	3.2	20
41	Combined deficiency of iron and (n-3) fatty acids in male rats disrupts brain monoamine metabolism and produces greater memory deficits than iron deficiency or (n-3) fatty acid deficiency alone. <i>Journal of Nutrition</i> , 2012 , 142, 1463-71	4.1	20
40	n-3 Long-chain PUFAs reduce respiratory morbidity caused by iron supplementation in iron-deficient South African schoolchildren: a randomized, double-blind, placebo-controlled intervention. <i>American Journal of Clinical Nutrition</i> , 2015 , 101, 668-79	7	19
39	Sensitivity of fatty acid desaturation and elongation to plasma zinc concentration: a randomised controlled trial in Beninese children. <i>British Journal of Nutrition</i> , 2018 , 119, 610-619	3.6	19
38	Type of dietary fat intakes in relation to all-cause and cause-specific mortality in US adults: an iso-energetic substitution analysis from the American National Health and Nutrition Examination Survey linked to the US mortality registry. <i>British Journal of Nutrition</i> , 2018 , 119, 456-463	3.6	18

37	How will South Africa's mandatory salt reduction policy affect its salt iodisation programme? A cross-sectional analysis from the WHO-SAGE Wave 2 Salt & Tobacco study. <i>BMJ Open</i> , 2018 , 8, e020404	3	17
36	Maternal iron-deficiency is associated with premature birth and higher birth weight despite routine antenatal iron supplementation in an urban South African setting: The NuPED prospective study. <i>PLoS ONE</i> , 2019 , 14, e0221299	3.7	15
35	Missing data imputation via the expectation-maximization algorithm can improve principal component analysis aimed at deriving biomarker profiles and dietary patterns. <i>Nutrition Research</i> , 2020 , 75, 67-76	4	14
34	In male rats with concurrent iron and (n-3) fatty acid deficiency, provision of either iron or (n-3) fatty acids alone alters monoamine metabolism and exacerbates the cognitive deficits associated with combined deficiency. <i>Journal of Nutrition</i> , 2012 , 142, 1472-8	4.1	14
33	Different dietary fatty acids are associated with blood lipids in healthy South African men and women: the PURE study. <i>International Journal of Cardiology</i> , 2014 , 172, 368-74	3.2	13
32	Long-chain n-3 PUFA supplementation decreases physical activity during class time in iron-deficient South African school children. <i>British Journal of Nutrition</i> , 2015 , 113, 212-24	3.6	11
31	Nutrient patterns and their relation to anemia and iron status in 5- to 12-y-old children in South Africa. <i>Nutrition</i> , 2019 , 62, 194-200	4.8	10
30	Differential ferritin interpretation methods that adjust for inflammation yield discrepant iron deficiency prevalence. <i>Maternal and Child Nutrition</i> , 2015 , 11 Suppl 4, 221-8	3.4	9
29	Providing male rats deficient in iron and n-3 fatty acids with iron and alpha-linolenic acid alone affects brain serotonin and cognition differently from combined provision. <i>Lipids in Health and Disease</i> , 2014 , 13, 97	4.4	9
28	Iodine status and associations with feeding practices and psychomotor milestone development in six-month-old South African infants. <i>Maternal and Child Nutrition</i> , 2017 , 13,	3.4	7
27	Iron interventions in children from low-income and middle-income populations: benefits and risks. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2015 , 18, 289-94	3.8	7
26	Omega-3 Fatty Acid and Iron Supplementation Alone, but Not in Combination, Lower Inflammation and Anemia of Infection in -Infected Mice. <i>Nutrients</i> , 2020 , 12,	6.7	6
25	Iodine Status Assessment in South African Adults According to Spot Urinary Iodine Concentrations, Prediction Equations, and Measured 24-h Iodine Excretion. <i>Nutrients</i> , 2018 , 10,	6.7	5
24	Associations of plasma total phospholipid fatty acid patterns with feeding practices, growth, and psychomotor development in 6-month-old South African infants. <i>Maternal and Child Nutrition</i> , 2019 , 15, e12763	3.4	5
23	Long-Chain Polyunsaturated Fatty Acids Are Associated with Blood Pressure and Hypertension over 10-Years in Black South African Adults Undergoing Nutritional Transition. <i>Foods</i> , 2019 , 8,	4.9	4
22	Adjusting Haemoglobin Values for Altitude Maximizes Combined Sensitivity and Specificity to Detect Iron Deficiency among Women of Reproductive Age in Johannesburg, South Africa. <i>Nutrients</i> , 2020 , 12,	6.7	4
21	Determining sample size adequacy for animal model studies in nutrition research: limits and ethical challenges of ordinary power calculation procedures. <i>International Journal of Food Sciences and Nutrition</i> , 2020 , 71, 256-264	3.7	4
20	Food or nutrient pattern assessment using the principal component analysis applied to food questionnaires. Pitfalls, tips and tricks. <i>International Journal of Food Sciences and Nutrition</i> , 2019 , 70, 738-748	3.7	3

19	Breast milk and erythrocyte fatty acid composition of lactating women residing in a peri-urban South African township. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020 , 156, 102027	2.8	3
18	Chemical Composition, but Not Specific Surface Area, Affects Calcium Retention of Nanostructured Calcium Compounds in Growing Rats. <i>Journal of Nutrition</i> , 2017 , 147, 353-360	4.1	2
17	Antenatal multiple micronutrient supplementation: benefits beyond iron-folic acid alone. <i>The Lancet Global Health</i> , 2017 , 5, e1050-e1051	13.6	2
16	Associations of dietary diversity with anaemia and iron status among 5- to 12-year-old schoolchildren in South Africa. <i>Public Health Nutrition</i> , 2021 , 24, 2554-2562	3.3	2
15	Salt-reduction strategies may compromise salt iodization programs: Learnings from South Africa and Ghana. <i>Nutrition</i> , 2021 , 84, 111065	4.8	2
14	Iodine status of pregnant women living in urban Johannesburg, South Africa. <i>Maternal and Child Nutrition</i> , 2021 , e13236	3.4	1
13	Effects of Omega-3 Fatty Acid Supplementation on Cognition in Children 2016 , 331-375		1
12	Nutrient density, but not cost of diet, is associated with anemia and iron deficiency in school-age children in South Africa. <i>Nutrition</i> , 2021 , 84, 111096	4.8	1
11	A Priori and a Posteriori Dietary Patterns among Pregnant Women in Johannesburg, South Africa: The NuPED Study. <i>Nutrients</i> , 2021 , 13,	6.7	1
10	Examining Associations of HIV and Iron Status with Nutritional and Inflammatory Status, Anemia, and Dietary Intake in South African Schoolchildren. <i>Nutrients</i> , 2021 , 13,	6.7	1
9	Characterization of Genetic Variants in the SLC5A5 Gene and Associations With Breast Milk Iodine Concentration in Lactating Women of African Descent: The NUPED Study. <i>Frontiers in Nutrition</i> , 2021 , 8, 692504	6.2	1
8	The effect of oral iron supplementation on the gut microbiota, gut inflammation, and iron status in iron-depleted South African school-age children with virally suppressed HIV and without HIV.. <i>European Journal of Nutrition</i> , 2022 , 1	5.2	0
7	Interventions to prevent iron deficiency during the first 1000 days in low-income and middle-income countries: recent advances and challenges. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2019 , 22, 223-229	3.8	0
6	Efficacy of novel small-quantity lipid-based nutrient supplements in improving long-chain polyunsaturated fatty acid status of South African infants: a randomised controlled trial. <i>European Journal of Clinical Nutrition</i> , 2020 , 74, 193-202	5.2	0
5	Novel interactions between iron and n-3 fatty acids in cognition and immune function. <i>Lipid Technology</i> , 2015 , 27, 183-186		
4	Effects and Reversibility of Pre- and Post-natal Iron and Omega-3 Fatty Acid Deficiency, Alone and in Combination, on Bone Development in Rats.. <i>Frontiers in Nutrition</i> , 2021 , 8, 802609	6.2	
3	Iodine status of pregnant women residing in the urban Free State Province of South Africa is borderline adequate: The NuEMI study.. <i>Nutrition Research</i> , 2021 , 98, 18-26	4	
2	3.3 Micronutrient Deficiencies.. <i>World Review of Nutrition and Dietetics</i> , 2022 , 124, 229-239	0.2	

- 1 Iron from nanostructured ferric phosphate: absorption and biodistribution in mice and bioavailability in iron deficient anemic women.. *Scientific Reports*, **2022**, 12, 2792 4.9