Jeannine Baumgartner

List of Publications by Year in Descending Order

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	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.. *European Journal of Nutrition*, **2022**, 1	5.2	0
53	3.3 Micronutrient Deficiencies.. *World Review of Nutrition and Dietetics*, **2022**, 124, 229-239	0.2	
52	Iron from nanostructured ferric phosphate: absorption and biodistribution in mice and bioavailability in iron deficient anemic women.. *Scientific Reports*, **2022**, 12, 2792	4.9	
51	Effects and Reversibility of Pre- and Post-natal Iron and Omega-3 Fatty Acid Deficiency, Alone and in Combination, on Bone Development in Rats.. *Frontiers in Nutrition*, **2021**, 8, 802609	6.2	
50	Iodine status of pregnant women residing in the urban Free State Province of South Africa is borderline adequate: The NuEMI study.. *Nutrition Research*, **2021**, 98, 18-26	4	
49	Iodine status of pregnant women living in urban Johannesburg, South Africa. *Maternal and Child Nutrition*, **2021**, e13236	3.4	1
48	Associations of dietary diversity with anaemia and iron status among 5- to 12-year-old schoolchildren in South Africa. *Public Health Nutrition*, **2021**, 24, 2554-2562	3.3	2
47	Nutrient density, but not cost of diet, is associated with anemia and iron deficiency in school-age children in South Africa. *Nutrition*, **2021**, 84, 111096	4.8	1
46	Salt-reduction strategies may compromise salt iodization programs: Learnings from South Africa and Ghana. *Nutrition*, **2021**, 84, 111065	4.8	2
45	A Priori and a Posteriori Dietary Patterns among Pregnant Women in Johannesburg, South Africa: The NuPED Study. *Nutrients*, **2021**, 13,	6.7	1
44	Examining Associations of HIV and Iron Status with Nutritional and Inflammatory Status, Anemia, and Dietary Intake in South African Schoolchildren. *Nutrients*, **2021**, 13,	6.7	1
43	Characterization of Genetic Variants in the SLC5A5 Gene and Associations With Breast Milk Iodine Concentration in Lactating Women of African Descent: The NUPED Study. *Frontiers in Nutrition*, **2021**, 8, 692504	6.2	1
42	Adjusting Haemoglobin Values for Altitude Maximizes Combined Sensitivity and Specificity to Detect Iron Deficiency among Women of Reproductive Age in Johannesburg, South Africa. *Nutrients*, **2020**, 12,	6.7	4
41	Missing data imputation via the expectation-maximization algorithm can improve principal component analysis aimed at deriving biomarker profiles and dietary patterns. *Nutrition Research*, **2020**, 75, 67-76	4	14
40	Breast milk and erythrocyte fatty acid composition of lactating women residing in a peri-urban South African township. *Prostaglandins Leukotrienes and Essential Fatty Acids*, **2020**, 156, 102027	2.8	3
39	Omega-3 Fatty Acid and Iron Supplementation Alone, but Not in Combination, Lower Inflammation and Anemia of Infection in -Infected Mice. *Nutrients*, **2020**, 12,	6.7	6
38	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. *European Journal of Clinical Nutrition*, **2020**, 74, 193-202	5.2	0

37	Determining sample size adequacy for animal model studies in nutrition research: limits and ethical challenges of ordinary power calculation procedures. *International Journal of Food Sciences and Nutrition*, **2020**, 71, 256-264	3.7	4
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. *PLoS ONE*, **2019**, 14, e0221299	3.7	15
35	Long-Chain Polyunsaturated Fatty Acids Are Associated with Blood Pressure and Hypertension over 10-Years in Black South African Adults Undergoing Nutritional Transition. *Foods*, **2019**, 8,	4.9	4
34	Nutrient patterns and their relation to anemia and iron status in 5- to 12-y-old children in South Africa. *Nutrition*, **2019**, 62, 194-200	4.8	10
33	Food or nutrient pattern assessment using the principal component analysis applied to food questionnaires. Pitfalls, tips and tricks. *International Journal of Food Sciences and Nutrition*, **2019**, 70, 738-748	3.7	3
32	Interventions to prevent iron deficiency during the first 1000 days in low-income and middle-income countries: recent advances and challenges. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2019**, 22, 223-229	3.8	0
31	Associations of plasma total phospholipid fatty acid patterns with feeding practices, growth, and psychomotor development in 6-month-old South African infants. *Maternal and Child Nutrition*, **2019**, 15, e12763	3.4	5
30	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. *British Journal of Nutrition*, **2018**, 119, 456-463	3.6	18
29	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	3.6	19
28	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. *BMJ Open*, **2018**, 8, e020404	3	17
27	Nutrition during pregnancy and early development (NuPED) in urban South Africa: a study protocol for a prospective cohort. *BMC Pregnancy and Childbirth*, **2018**, 18, 308	3.2	20
26	Iodine Status Assessment in South African Adults According to Spot Urinary Iodine Concentrations, Prediction Equations, and Measured 24-h Iodine Excretion. *Nutrients*, **2018**, 10,	6.7	5
25	Iodine status and associations with feeding practices and psychomotor milestone development in six-month-old South African infants. *Maternal and Child Nutrition*, **2017**, 13,	3.4	7
24	Chemical Composition, but Not Specific Surface Area, Affects Calcium Retention of Nanostructured Calcium Compounds in Growing Rats. *Journal of Nutrition*, **2017**, 147, 353-360	4.1	2
23	Amyloid fibril systems reduce, stabilize and deliver bioavailable nanosized iron. *Nature Nanotechnology*, **2017**, 12, 642-647	28.7	151
22	Antenatal multiple micronutrient supplementation: benefits beyond iron-folic acid alone. *The Lancet Global Health*, **2017**, 5, e1050-e1051	13.6	2
21	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. *American Journal of Clinical Nutrition*, **2016**, 104, 1318-1326	7	26
20	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. *BMJ Open*, **2016**, 6, e013316	3	27

19	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. *Thyroid*, **2016**, 26, 287-95	6.2	29
18	Effects of Omega-3 Fatty Acid Supplementation on Cognition in Children **2016**, 331-375		1
17	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. *JCRPE Journal of Clinical Research in Pediatric Endocrinology*, **2016**, 8, 381-391	1.9	21
16	A dose-response crossover iodine balance study to determine iodine requirements in early infancy. *American Journal of Clinical Nutrition*, **2016**, 104, 620-8	7	29
15	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. *American Journal of Clinical Nutrition*, **2015**, 101, 668-79	7	19
14	Long-chain n-3 PUFA supplementation decreases physical activity during class time in iron-deficient South African school children. *British Journal of Nutrition*, **2015**, 113, 212-24	3.6	11
13	Differential ferritin interpretation methods that adjust for inflammation yield discrepant iron deficiency prevalence. *Maternal and Child Nutrition*, **2015**, 11 Suppl 4, 221-8	3.4	9
12	Iron interventions in children from low-income and middle-income populations: benefits and risks. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2015**, 18, 289-94	3.8	7
11	Novel interactions between iron and n-3 fatty acids in cognition and immune function. *Lipid Technology*, **2015**, 27, 183-186		
10	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. *Lipids in Health and Disease*, **2014**, 13, 97	4.4	9
9	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. *British Journal of Nutrition*, **2014**, 112, 547-56	3.6	66
8	Different dietary fatty acids are associated with blood lipids in healthy South African men and women: the PURE study. *International Journal of Cardiology*, **2014**, 172, 368-74	3.2	13
7	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. *British Journal of Nutrition*, **2013**, 110, 2271-84	3.6	32
6	Overweight impairs efficacy of iron supplementation in iron-deficient South African children: a randomized controlled intervention. *International Journal of Obesity*, **2013**, 37, 24-30	5.5	36
5	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. *Journal of Nutrition*, **2012**, 142, 1463-71	4.1	20
4	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. *Journal of Nutrition*, **2012**, 142, 1472-8	4.1	14
3	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. *American Journal of Clinical Nutrition*, **2012**, 96, 1327-38	7	68
2	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. *Journal of Nutrition*, **2011**, 141, 237-42	4.1	51

1	Urinary iodine concentrations indicate iodine deficiency in pregnant Thai women but iodine sufficiency in their school-aged children. *Journal of Nutrition*, **2009**, 139, 1169-72	4.1	63