

# Alida Melse-Boonstra

## List of Publications by Year in descending order

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Version: 2024-02-01

79  
papers

2,846  
citations

201575

27  
h-index

189801

50  
g-index

80  
all docs

80  
docs citations

80  
times ranked

3985  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oral iron supplements increase hepcidin and decrease iron absorption from daily or twice-daily doses in iron-depleted young women. <i>Blood</i> , 2015, 126, 1981-1989.	0.6	372
2	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> , 2011, 93, 975-983.	2.2	167
3	Iodine deficiency in pregnancy, infancy and childhood and its consequences for brain development. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2010, 24, 29-38.	2.2	124
4	Folic acid and reduction of plasma homocysteine concentrations in older adults: a dose-response study. <i>American Journal of Clinical Nutrition</i> , 2003, 77, 1318-1323.	2.2	112
5	Determination of Foliates in Human Plasma Using Hydrophilic Interaction Chromatography~Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2001, 73, 5358-5364.	3.2	108
6	Effect of iodine supplementation in pregnant women on child neurodevelopment: a randomised, double-blind, placebo-controlled trial. <i>Lancet Diabetes and Endocrinology</i> , 2017, 5, 853-863.	5.5	108
7	Anemia in relation to body mass index and waist circumference among chinese women. <i>Nutrition Journal</i> , 2013, 12, 10.	1.5	103
8	Biofortified yellow cassava and vitamin A status of Kenyan children: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 258-267.	2.2	101
9	Bioavailability of Micronutrients From Nutrient-Dense Whole Foods: Zooming in on Dairy, Vegetables, and Fruits. <i>Frontiers in Nutrition</i> , 2020, 7, 101.	1.6	92
10	Insects as sources of iron and zinc in human nutrition. <i>Nutrition Research Reviews</i> , 2018, 31, 248-255.	2.1	77
11	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> , 2015, 102, 1389-1397.	2.2	75
12	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, 1169-1172.	1.3	73
13	Betaine concentration as a determinant of fasting total homocysteine concentrations and the effect of folic acid supplementation on betaine concentrations. <i>American Journal of Clinical Nutrition</i> , 2005, 81, 1378-1382.	2.2	70
14	Folate bioavailability: UK Food Standards Agency workshop report. <i>British Journal of Nutrition</i> , 2003, 90, 473-479.	1.2	64
15	Influence of Processing on Total, Monoglutamate and Polyglutamate Folate Contents of Leeks, Cauliflower, and Green Beans. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 3473-3478.	2.4	61
16	Acceptance and adoption of biofortified crops in low- and middle-income countries: a systematic review. <i>Nutrition Reviews</i> , 2017, 75, 798-829.	2.6	52
17	Bioavailability of heptaglutamyl relative to monoglutamyl folic acid in healthy adults. <i>American Journal of Clinical Nutrition</i> , 2004, 79, 424-429.	2.2	50
18	Biofortified Cassava with Pro-Vitamin A Is Sensory and Culturally Acceptable for Consumption by Primary School Children in Kenya. <i>PLoS ONE</i> , 2013, 8, e73433.	1.1	46

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19	Dietary Monoglutamate and Polyglutamate Folate Are Associated with Plasma Folate Concentrations in Dutch Men and Women Aged 20–65 Years. <i>Journal of Nutrition</i> , 2002, 132, 1307-1312.	1.3	42
20	Overweight increases risk of first trimester hypothyroxinaemia in iodine-deficient pregnant women. <i>Maternal and Child Nutrition</i> , 2014, 10, 61-71.	1.4	40
21	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> , 2016, 104, 1030-1038.	2.2	38
22	Dietary intake and biological measurement of folate: A qualitative review of validation studies. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 562-581.	1.5	37
23	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> , 2009, 19, 1099-1104.	2.4	32
24	Safeguarding human and planetary health demands a fertilizer sector transformation. <i>Plants People Planet</i> , 2020, 2, 302-309.	1.6	31
25	Iodine supplementation in pregnancy and its effect on child cognition. <i>Journal of Trace Elements in Medicine and Biology</i> , 2012, 26, 134-136.	1.5	30
26	Iodine deficiency, thyroid function and hearing deficit: a review. <i>Nutrition Research Reviews</i> , 2013, 26, 110-117.	2.1	30
27	The potential of various foods to serve as a carrier for micronutrient fortification, data from remote areas in Indonesia. <i>European Journal of Clinical Nutrition</i> , 2000, 54, 822-827.	1.3	29
28	Relevance of dietary iron intake and bioavailability in the management of HFE hemochromatosis: a systematic review. <i>American Journal of Clinical Nutrition</i> , 2013, 98, 468-479.	2.2	29
29	Inter-ethnic differences in genetic variants within the transmembrane protease, serine 6 (TMPRSS6) gene associated with iron status indicators: a systematic review with meta-analyses. <i>Genes and Nutrition</i> , 2015, 10, 442.	1.2	27
30	Supplemental protein from dairy products increases body weight and vitamin D improves physical performance in older adults: a systematic review and meta-analysis. <i>Nutrition Research</i> , 2018, 49, 1-22.	1.3	27
31	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> , 2019, 43, 999-1008.	1.6	25
32	Zinc Absorption by Adults Is Similar from Intrinsically Labeled Zinc-Biofortified Rice and from Rice Fortified with Labeled Zinc Sulfate. <i>Journal of Nutrition</i> , 2016, 146, 76-80.	1.3	24
33	Bioavailability of polyglutamyl folic acid relative to that of monoglutamyl folic acid in subjects with different genotypes of the glutamate carboxypeptidase II gene. <i>American Journal of Clinical Nutrition</i> , 2004, 80, 700-704.	2.2	23
34	Quantifying folate bioavailability: a critical appraisal of methods. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2004, 7, 539-545.	1.3	23
35	Association of dietary pattern and body weight with blood pressure in Jiangsu Province, China. <i>BMC Public Health</i> , 2014, 14, 948.	1.2	23
36	The iodized salt programme in Bangalore, India provides adequate iodine intakes in pregnant women and more-than-adequate iodine intakes in their children. <i>Public Health Nutrition</i> , 2015, 18, 403-413.	1.1	23

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37	Do specialized bariatric multivitamins lower deficiencies after RYGB?. <i>Surgery for Obesity and Related Diseases</i> , 2018, 14, 1005-1012.	1.0	21
38	Protein intake adequacy among Nigerian infants, children, adolescents and women and protein quality of commonly consumed foods. <i>Nutrition Research Reviews</i> , 2020, 33, 102-120.	2.1	21
39	Validation of a food frequency questionnaire to assess folate intake of Dutch elderly people. <i>British Journal of Nutrition</i> , 2007, 98, 1014-1020.	1.2	20
40	Daily consumption of pro-vitamin A biofortified (yellow) cassava improves serum retinol concentrations in preschool children in Nigeria: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2021, 113, 221-231.	2.2	20
41	A dual-isotope-labeling method of studying the bioavailability of hexaglutamyl folic acid relative to that of monoglutamyl folic acid in humans by using multiple orally administered low doses. <i>American Journal of Clinical Nutrition</i> , 2006, 84, 1128-1133.	2.2	19
42	Weight status and iron deficiency among urban Malian women of reproductive age. <i>British Journal of Nutrition</i> , 2011, 105, 574-579.	1.2	18
43	Common Variants and Haplotypes in the TF, TNF- $\beta$ , and TMRSS6 Genes Are Associated with Iron Status in a Female Black South African Population. <i>Journal of Nutrition</i> , 2015, 145, 945-953.	1.3	18
44	Challenges to Quantify Total Vitamin Activity: How to Combine the Contribution of Diverse Vitamers?. <i>Current Developments in Nutrition</i> , 2019, 3, nzz086.	0.1	17
45	Iodine Supplementation in Mildly Iodine-Deficient Pregnant Women Does Not Improve Maternal Thyroid Function or Child Development: A Secondary Analysis of a Randomized Controlled Trial. <i>Frontiers in Endocrinology</i> , 2020, 11, 572984.	1.5	17
46	Association between consumption of black tea and iron status in adult Africans in the North West Province: the THUSA study. <i>British Journal of Nutrition</i> , 2008, 100, 430-437.	1.2	16
47	Zinc Biofortification of Rice in China: A Simulation of Zinc Intake with Different Dietary Patterns. <i>Nutrients</i> , 2012, 4, 517-528.	1.7	16
48	Gene-environment and gene-gene interactions of specific MTHFR, MTR and CBS gene variants in relation to homocysteine in black South Africans. <i>Gene</i> , 2013, 530, 113-118.	1.0	16
49	The potential contribution of yellow cassava to dietary nutrient adequacy of primary-school children in Eastern Kenya; the use of linear programming. <i>Public Health Nutrition</i> , 2018, 21, 365-376.	1.1	16
50	Food Composition Tables in Southeast Asia: The Contribution of the SMILING Project. <i>Maternal and Child Health Journal</i> , 2019, 23, 46-54.	0.7	16
51	Time Trends in Age at Menarche and Related Non-Communicable Disease Risk during the 20th Century in Mexico. <i>Nutrients</i> , 2019, 11, 394.	1.7	16
52	Comparison of three methods for estimating daily individual discretionary salt intake: 24 hour recall, duplicate-portion method, and urinary lithium-labelled household salt excretion. <i>European Journal of Clinical Nutrition</i> , 1999, 53, 281-287.	1.3	15
53	Proxy markers of serum retinol concentration, used alone and in combination, to assess population vitamin A status in Kenyan children: a cross-sectional study. <i>BMC Medicine</i> , 2015, 13, 30.	2.3	15
54	Dietary Patterns and the Double Burden of Malnutrition in Mexican Adolescents: Results from ENSANUT-2006. <i>Nutrients</i> , 2019, 11, 2753.	1.7	15

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55	Associations between Common Variants in Iron-Related Genes with Haematological Traits in Populations of African Ancestry. <i>PLoS ONE</i> , 2016, 11, e0157996.	1.1	13
56	Dietary intake of zinc in the population of Jiangsu Province, China. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2009, 18, 193-9.	0.3	13
57	Addressing the risk of inadequate and excessive micronutrient intakes: traditional versus new approaches to setting adequate and safe micronutrient levels in foods. <i>Food and Nutrition Research</i> , 2015, 59, 26020.	1.2	11
58	Multi-Nutrient Fortified Dairy-Based Drink Reduces Anaemia without Observed Adverse Effects on Gut Microbiota in Anaemic Malnourished Nigerian Toddlers: A Randomised Dose-Response Study. <i>Nutrients</i> , 2021, 13, 1566.	1.7	10
59	Optimal Time Interval between Repeated Blood Sampling for Measurements of Total Homocysteine in Healthy Individuals. <i>Clinical Chemistry</i> , 2001, 47, 1839-1841.	1.5	9
60	Nutritional Genetics: The Case of Alcohol and the MTHFR C677T Polymorphism in Relation to Homocysteine in a Black South African Population. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2013, 6, 61-72.	1.8	9
61	Tumour necrosis factor allele variants and their association with the occurrence and severity of malaria in African children: a longitudinal study. <i>Malaria Journal</i> , 2015, 14, 249.	0.8	9
62	Zinc Absorption from Milk Is Affected by Dilution but Not by Thermal Processing, and Milk Enhances Absorption of Zinc from High-Phytate Rice in Young Dutch Women. <i>Journal of Nutrition</i> , 2017, 147, 1086-1093.	1.3	9
63	The Triple Burden of Malnutrition Among Adolescents in Indonesia. <i>Food and Nutrition Bulletin</i> , 2021, 42, S4-S8.	0.5	9
64	Dietary vitamin A intake recommendations revisited: global confusion requires alignment of the units of conversion and expression. <i>Public Health Nutrition</i> , 2017, 20, 1903-1906.	1.1	8
65	The contribution of provitamin A biofortified cassava to vitamin A intake in Nigerian pre-schoolchildren. <i>British Journal of Nutrition</i> , 2021, 126, 1364-1372.	1.2	7
66	Knowledge Gaps in Understanding the Etiology of Anemia in Indonesian Adolescents. <i>Food and Nutrition Bulletin</i> , 2021, 42, S39-S58.	0.5	7
67	Uncertainties of assessing total body vitamin A stores in community settings in low-income countries using the stable-isotope dilution methodology. <i>American Journal of Clinical Nutrition</i> , 2015, 102, 520-521.	2.2	5
68	Adolescent Nutrition—Developing a Research Agenda for the Second Window of Opportunity in Indonesia. <i>Food and Nutrition Bulletin</i> , 2021, 42, S9-S20.	0.5	4
69	Gut Microbiota—Targeted Nutritional Interventions Improving Child Growth in Low- and Middle-Income Countries: A Systematic Review. <i>Current Developments in Nutrition</i> , 2021, 5, nzab124.	0.1	4
70	Trend in age at menarche and its association with body weight, body mass index and non-communicable disease prevalence in Indonesia: evidence from the Indonesian Family Life Survey (IFLS). <i>BMC Public Health</i> , 2022, 22, 628.	1.2	4
71	What is causing anemia in young children and why is it so persistent?. <i>Jornal De Pediatria</i> , 2016, 92, 325-327.	0.9	3
72	Comparing saliva and urine samples for measuring breast milk intake with the $2\text{H}$ oxide dose-to-mother technique among children $\leq 4$ months old. <i>British Journal of Nutrition</i> , 2020, 123, 232-240.	1.2	3

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73	Gene interactions observed with the HDL-c blood lipid, intakes of protein, sugar and biotin in relation to circulating homocysteine concentrations in a group of black South Africans. <i>Molecular Genetics and Metabolism Reports</i> , 2020, 22, 100556.	0.4	3
74	Depressive symptoms among Mexican adolescent girls in relation to iron status, anaemia, body weight and pubertal status: results from a latent class analysis. <i>Public Health Nutrition</i> , 2023, 26, 408-415.	1.1	3
75	Effect of a Fortified Dairy-Based Drink on Micronutrient Status, Growth, and Cognitive Development of Nigerian Toddlers- A Dose-Response Study. <i>Frontiers in Nutrition</i> , 2022, 9, 864856.	1.6	2
76	The potential contribution of house crickets to the dietary zinc content and nutrient adequacy in young Kenyan children: a linear programming analysis using Optifood. <i>British Journal of Nutrition</i> , 2023, 129, 478-490.	1.2	1
77	Reply to SA Tanumihardjo et al.. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 236-237.	2.2	0
78	Assessment of small-intestine permeability in healthy Nigerian children is altered by urinary volume and voiding status. <i>PLoS ONE</i> , 2021, 16, e0253436.	1.1	0
79	Determinants of Common Mental Disorders (CMD) among adolescent girls aged 15-19 years in Indonesia: Analysis of the 2018 National Basic Health Survey Data. <i>PLOS Global Public Health</i> , 2022, 2, e0000232.	0.5	0