

# Herculina S Kruger

## List of Publications by Year in descending order

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Version: 2024-02-01

107  
papers

6,368  
citations

218381

26  
h-index

69108

77  
g-index

107  
all docs

107  
docs citations

107  
times ranked

12689  
citing authors

#	ARTICLE	IF	CITATIONS
1	Trends in adult body-mass index in 200 countries from 1975 to 2014: a pooled analysis of 1698 population-based measurement studies with 19.2 million participants. <i>Lancet</i> , The, 2016, 387, 1377-1396.	6.3	3,941
2	Trends in obesity and diabetes across Africa from 1980 to 2014: an analysis of pooled population-based studies. <i>International Journal of Epidemiology</i> , 2017, 46, 1421-1432.	0.9	197
3	Obesity in South Africa: challenges for government and health professionals. <i>Public Health Nutrition</i> , 2005, 8, 491-500.	1.1	150
4	Physical inactivity is the major determinant of obesity in black women in the North West province, South Africa: the THUSA study. <i>Nutrition</i> , 2002, 18, 422-427.	1.1	116
5	The determinants of overweight and obesity among 10- to 15-year-old schoolchildren in the North West Province, South Africa – the THUSA BANA (Transition and Health during Urbanisation of South) Tj ETQq1 1017843141ngBT /O		
6	Dietary intakes of an African population in different stages of transition in the North West Province, South Africa: the THUSA study. <i>Nutrition Research</i> , 2002, 22, 239-256.	1.3	97
7	Are behavioural risk factors to be blamed for the conversion from optimal blood pressure to hypertensive status in Black South Africans? A 5-year prospective study. <i>International Journal of Epidemiology</i> , 2012, 41, 1114-1123.	0.9	88
8	An epidemiological study of hypertension and its determinants in a population in transition: the THUSA study. <i>Journal of Human Hypertension</i> , 2000, 14, 779-787.	1.0	86
9	Added sugar intake in South Africa: findings from the Adult Prospective Urban and Rural Epidemiology cohort study. <i>American Journal of Clinical Nutrition</i> , 2014, 99, 1479-1486.	2.2	80
10	Which dietary diversity indicator is best to assess micronutrient adequacy in children 1 to 9 y?. <i>Nutrition</i> , 2014, 30, 55-60.	1.1	65
11	Association between stunting and overweight among 10-15-y-old children in the North West Province of South Africa: the THUSA BANA Study. <i>International Journal of Obesity</i> , 2004, 28, 842-851.	1.6	60
12	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, 237-242.	1.3	59
13	Substitution of high monounsaturated fatty acid avocado for mixed dietary fats during an energy-restricted diet: Effects on weight loss, serum lipids, fibrinogen, and vascular function. <i>Nutrition</i> , 2005, 21, 67-75.	1.1	55
14	The African Prospective study on the Early Detection and Identification of Cardiovascular disease and Hypertension (African-PREDICT): Design, recruitment and initial examination. <i>European Journal of Preventive Cardiology</i> , 2019, 26, 458-470.	0.8	53
15	Evaluation of waist-to-height ratio to predict 5 year cardiometabolic risk in sub-Saharan African adults. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2014, 24, 900-907.	1.1	48
16	Effect of small-quantity lipid-based nutrient supplements on growth, psychomotor development, iron status, and morbidity among 6- to 12-mo-old infants in South Africa: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 55-68.	2.2	46
17	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, 2271-2284.	1.2	39
18	Dietary intake, perceptions regarding body weight, and attitudes toward weight control of normal weight, overweight, and obese Black females in a rural village in South Africa. <i>Ethnicity and Disease</i> , 2005, 15, 238-45.	1.0	37

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19	Maternal anthropometry and pregnancy outcomes: a proposal for the monitoring of pregnancy weight gain in outpatient clinics in South Africa. <i>Curationis</i> , 2005, 28, 40-9.	0.2	34
20	Dietary risk markers that contribute to the aetiology of hypertension in black South African children: the THUSA BANA study. <i>Journal of Human Hypertension</i> , 2003, 17, 29-35.	1.0	33
21	Nutritional Status Influences Plasma Fibrinogen Concentration. <i>Thrombosis Research</i> , 2000, 98, 383-394.	0.8	31
22	Evidence for relatively greater subcutaneous fat deposition in stunted girls in the North West Province, South Africa, as compared with non-stunted girls. <i>Nutrition</i> , 2004, 20, 564-569.	1.1	30
23	The nutritional status of asymptomatic HIV-infected Africans: directions for dietary intervention?. <i>Public Health Nutrition</i> , 2004, 7, 1055-1064.	1.1	30
24	Point-of-use micronutrient fortification: lessons learned in implementing a preschool-based pilot trial in South Africa. <i>International Journal of Food Sciences and Nutrition</i> , 2011, 62, 1-16.	1.3	30
25	Stunting, adiposity, and low-grade inflammation in African adolescents from a township high school. <i>Nutrition</i> , 2010, 26, 90-99.	1.1	28
26	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.	1.2	28
27	Factor analysis of possible risks for hypertension in a black South African population. <i>Journal of Human Hypertension</i> , 2003, 17, 339-348.	1.0	27
28	Efavirenz Plasma Concentrations at 1, 3, and 6 Months Post-Antiretroviral Therapy Initiation in HIV Type 1-Infected South African Children. <i>AIDS Research and Human Retroviruses</i> , 2010, 26, 613-619.	0.5	26
29	Psychosocial barriers and enablers of exclusive breastfeeding: lived experiences of mothers in low-income townships, North West Province, South Africa. <i>International Breastfeeding Journal</i> , 2020, 15, 76.	0.9	26
30	Lean mass appears to be more strongly associated with bone health than fat mass in urban black South African women. <i>Journal of Nutrition, Health and Aging</i> , 2015, 19, 628-636.	1.5	25
31	Vitamin A and anthropometric status of South African preschool children from four areas with known distinct eating patterns. <i>Nutrition</i> , 2015, 31, 64-71.	1.1	25
32	What is the nutritional status of children of obese mothers in South Africa?. <i>Nutrition</i> , 2011, 27, 904-911.	1.1	24
33	A proposed cutoff point of waist-to-height ratio for metabolic risk in African township adolescents. <i>Nutrition</i> , 2013, 29, 502-507.	1.1	24
34	<i>Rosa roxburghii</i> supplementation in a controlled feeding study increases plasma antioxidant capacity and glutathione redox state. <i>European Journal of Nutrition</i> , 2005, 44, 452-457.	1.8	23
35	Habitual physical activity and body composition of black township adolescents residing in the North West Province, South Africa. <i>Public Health Nutrition</i> , 2007, 10, 1047-1056.	1.1	23
36	Disordered Eating Behavior, Body Image, and Energy Status of Female Student Dancers. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2015, 25, 344-352.	1.0	23

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37	Added Sugar, Macro- and Micronutrient Intakes and Anthropometry of Children in a Developing World Context. PLoS ONE, 2015, 10, e0142059.	1.1	21
38	Measurement of physical activity in urban and rural South African adults: a comparison of two self-report methods. BMC Public Health, 2016, 16, 1004.	1.2	20
39	Socio-Demographic and Lifestyle Factors Predict 5-Year Changes in Adiposity among a Group of Black South African Adults. International Journal of Environmental Research and Public Health, 2017, 14, 1089.	1.2	20
40	The relationship between body composition and selected metabolic syndrome markers in black adolescents in South Africa: The PLAY study. Nutrition, 2010, 26, 1059-1064.	1.1	19
41	Overweight among children decreased, but obesity prevalence remained high among women in South Africa, 1999–2005. Public Health Nutrition, 2012, 15, 594-599.	1.1	19
42	The sensitivity of waist-to-height ratio in identifying children with high blood pressure. Cardiovascular Journal of Africa, 2011, 22, 208-211.	0.2	19
43	The relationship between indices of iron status and selected anthropometric cardiovascular disease risk markers in an African population : the THUSA study. Cardiovascular Journal of Africa, 2011, 22, 249-256.	0.2	19
44	Overfatness, stunting and physical inactivity are determinants of plasminogen activator inhibitor-1 activity, fibrinogen and thrombin–antithrombin complex in African adolescents. Blood Coagulation and Fibrinolysis, 2008, 19, 361-368.	0.5	18
45	Ethnic-specific cut-points for sarcopenia: evidence from black South African women. European Journal of Clinical Nutrition, 2015, 69, 843-849.	1.3	17
46	Lipid-based nutrient supplements and linear growth in children under 2 years: a review. Proceedings of the Nutrition Society, 2017, 76, 580-588.	0.4	17
47	Actions of black tea and Rooibos on iron status of primary school children. Nutrition Research, 2005, 25, 983-994.	1.3	15
48	The prevalence and factors associated with stunting among infants aged 6 months in a peri-urban South African community. Public Health Nutrition, 2017, 20, 3209-3218.	1.1	15
49	Diet and sedentary behaviour in relation to cancer survival. A report from the national health and nutrition examination survey linked to the U.S. mortality registry. Clinical Nutrition, 2020, 39, 3489-3496.	2.3	15
50	Differential ferritin interpretation methods that adjust for inflammation yield discrepant iron deficiency prevalence. Maternal and Child Nutrition, 2015, 11, 221-228.	1.4	14
51	Body mass index cut-points to identify cardiometabolic risk in black South Africans. European Journal of Nutrition, 2017, 56, 193-202.	4.6	14
52	Early cardiovascular changes in 10- to 15-year-old stunted children: the Transition and Health during Urbanization in South Africa in Children study. Nutrition, 2005, 21, 808-814.	1.1	13
53	The association of clot lysis time with total obesity is partly independent from the association of PAI-1 with central obesity in African adults. Thrombosis Research, 2015, 136, 415-421.	0.8	13
54	Physical Activity Energy Expenditure and Sarcopenia in Black South African Urban Women. Journal of Physical Activity and Health, 2016, 13, 296-302.	1.0	13

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55	Secondary Analysis of Anthropometric Data from a South African National Food Consumption Survey, Using Different Growth Reference Standards. <i>Maternal and Child Health Journal</i> , 2011, 15, 1372-1380.	0.7	12
56	Exclusive Breastfeeding, Child Mortality, and Economic Cost in Sub-Saharan Africa. <i>Pediatrics</i> , 2021, 147, .	1.0	12
57	School environment, socioeconomic status and weight of children in Bloemfontein, South Africa. <i>African Journal of Primary Health Care and Family Medicine</i> , 2015, 7, .	0.3	11
58	Urbanization of Africans in the North West Province is associated with better micronutrient status: the Transition and Health during Urbanization Study in South Africa. <i>Nutrition Research</i> , 2005, 25, 365-375.	1.3	10
59	Positive association between dietary iron intake and iron status in HIV-infected children in Johannesburg, South Africa. <i>Nutrition Research</i> , 2013, 33, 50-58.	1.3	10
60	Dietary sodium intake and its relationship to adiposity in young black and white adults: The Africanâ€œPREDICT study. <i>Journal of Clinical Hypertension</i> , 2018, 20, 1193-1202.	1.0	10
61	Substitution of sedentary time with light physical activity is related to increased bone density in U.S. women over 50 years old. An isoâ€œtemporal substitution analysis based on the National health and Nutrition Examination Survey. <i>European Journal of Sport Science</i> , 2019, 19, 1404-1413.	1.4	10
62	The Exercise, Arterial Modulation and Nutrition in Youth South Africa Study (ExAMIN Youth SA). <i>Frontiers in Pediatrics</i> , 2020, 8, 212.	0.9	10
63	The Effects of the Dietary Fibre Component Konjac-Glucomannan on Serum Cholesterol Levels of Hypercholesterolaemic Subjects. <i>Human Nutrition Food Sciences and Nutrition</i> , 1987, 41, 55-61.	0.0	9
64	Physiological Effects Of The Dietary Fibre Component Konjac-G Lucomannan In Rats And Baboons. <i>Journal of Plant Foods</i> , 1985, 6, 263-274.	0.0	8
65	Magnesium Intake Predicts Bone Turnover in Postmenopausal Black South African Women. <i>Nutrients</i> , 2019, 11, 2519.	1.7	8
66	Prevalence of stunting, wasting and underweight in Grade 1-learners: The NW-CHILD Study. <i>Health SA Gesondheid</i> , 2014, 19, .	0.3	7
67	Association of 25-hydroxyvitamin D and parathyroid hormone with the metabolic syndrome in black South African women. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017, 42, 413-419.	0.9	7
68	The association between calf circumference and appendicular skeletal muscle mass index of black urban women in Tlokwe City. <i>Journal of Endocrinology Metabolism and Diabetes of South Africa</i> , 2018, 23, 86-90.	0.4	7
69	Diet and sedentary behaviour in relation to mortality in US adults with a cardiovascular condition: results from the National Health and Nutrition Examination Survey linked to the US mortality registry. <i>British Journal of Nutrition</i> , 2020, 124, 1329-1337.	1.2	7
70	An inverse association between calcium and adiposity in women with high fat and calcium intakes. <i>Ethnicity and Disease</i> , 2007, 17, 6-13.	1.0	7
71	Degree of obesity influences the relationship of PAI-1 with body fat distribution and metabolic variables in African women. <i>Thrombosis Research</i> , 2016, 146, 95-102.	0.8	6
72	Impact of breastfeeding on mortality in sub-Saharan Africa: a systematic review, meta-analysis, and cost-evaluation. <i>European Journal of Pediatrics</i> , 2020, 179, 1213-1225.	1.3	6

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73	Lifestyle factors associated with the transition from healthy to unhealthy adiposity among black South African adults over 10 years. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021, 31, 2023-2032.	1.1	6
74	The Relationship of Circulating Homocysteine with Fibrinogen, Blood Pressure, and Other Cardiovascular Measures in African Adolescents. <i>Journal of Pediatrics</i> , 2021, 234, 158-163.e2.	0.9	6
75	Studies since 2005 on South African primary schoolchildren suggest lower anaemia prevalence in some regions. <i>South African Journal of Clinical Nutrition</i> , 2013, 26, 168-175.	0.3	6
76	Plasma phospholipid fatty acid patterns are associated with adiposity and the metabolic syndrome in black South Africans: a cross-sectional study. <i>Cardiovascular Journal of Africa</i> , 2019, 30, 228-238.	0.2	6
77	Association between insulin-like growth factor-1, measures of overnutrition and undernutrition and insulin resistance in black adolescents living in the north-west province, South Africa. <i>American Journal of Human Biology</i> , 2014, 26, 189-197.	0.8	5
78	Nutrition research in rural communities: application of ethical principles. <i>Maternal and Child Nutrition</i> , 2013, 9, 435-451.	1.4	4
79	Nutrition in Pregnancy and Lactation. <i>World Review of Nutrition and Dietetics</i> , 2014, 111, 64-70.	0.1	4
80	Adherence challenges encountered in an intervention programme to combat chronic non-communicable diseases in an urban black community, Cape Town. <i>Health SA Gesondheid</i> , 2017, 22, 70-78.	0.3	4
81	Beauty and the Body of the Beholder: Raters' BMI Has Only Limited Association with Ratings of Attractiveness of the Opposite Sex. <i>Obesity</i> , 2018, 26, 522-530.	1.5	4
82	Association between dietary adherence, anthropometric measurements and blood pressure in an urban black population, South Africa. <i>South African Journal of Clinical Nutrition</i> , 2020, 33, 1-9.	0.3	4
83	Level of agreement between objectively determined body composition and perceived body image in 6- to 8-year-old South African children: The Body Composition Isotope Technique study. <i>PLoS ONE</i> , 2020, 15, e0237399.	1.1	4
84	Association between Objectively Determined Physical Activity Levels and Body Composition in 6-8-Year-Old Children from a Black South African Population: BC-IT Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6453.	1.2	4
85	Factors Associated with Bone Mineral Density and Bone Resorption Markers in Postmenopausal HIV-Infected Women on Antiretroviral Therapy: A Prospective Cohort Study. <i>Nutrients</i> , 2021, 13, 2090.	1.7	4
86	Body composition in stunted, compared to non-stunted, black South African children, from two rural communities. <i>South African Journal of Clinical Nutrition</i> , 2012, 25, 62-66.	0.3	4
87	Comparison of dietary and plasma phospholipid fatty acids between normal weight and overweight black South Africans according to metabolic health: The PURE study. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020, 158, 102039.	1.0	3
88	Physical activity, diet and quality of life during mandatory (COVID-19) quarantine following repatriation. <i>SAGE Open Medical Case Reports</i> , 2020, 8, 2050313X2097250.	0.2	3
89	Bone turnover markers in HIV-infected women on tenofovir-based antiretroviral therapy. <i>Southern African Journal of HIV Medicine</i> , 2017, 18, .	0.3	3
90	The Metabolic Profiles of Metabolically Healthy Obese and Metabolically Unhealthy Obese South African Adults over 10 Years. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 5061.	1.2	3

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91	Agreement between specific measures of adiposity and associations with high blood pressure in black South African women. <i>American Journal of Human Biology</i> , 2017, 29, e23042.	0.8	2
92	The relationship between female adiposity and physical attractiveness amongst adults in rural Ranaka village, Botswana. <i>South African Journal of Clinical Nutrition</i> , 2020, 33, 17-22.	0.3	2
93	Associations of linoleic acid with markers of glucose metabolism and liver function in South African adults. <i>Lipids in Health and Disease</i> , 2020, 19, 138.	1.2	2
94	The association between serum vitamin D and body composition in South African HIV-infected women. <i>Southern African Journal of HIV Medicine</i> , 2021, 22, 1284.	0.3	2
95	Iron status and cardiovascular disease risk in black South African women: the PURE study. <i>South African Journal of Clinical Nutrition</i> , 2011, 24, 179-185.	0.3	2
96	Medications for blood pressure, blood glucose, lipids, and anti-thrombotic medications: relationship with cardiovascular disease and death in adults from 21 high-, middle-, and low-income countries with an elevated body mass index. <i>European Journal of Preventive Cardiology</i> , 2022, 29, 1817-1826.	0.8	2
97	Addressing Non-Communicable Diseases in the Western Cape, South Africa. <i>Journal of Public Health Research</i> , 2019, 8, jphr.2019.1534.	0.5	1
98	The association between anthropometric measures and physical performance in black adults of the North West Province, South Africa. <i>American Journal of Human Biology</i> , 2020, 32, e23324.	0.8	1
99	Associations of serum C-reactive protein with physical activity, fitness and fatness in South African adolescents. <i>Cardiovascular Journal of Africa</i> , 2010, 21, 309-10.	0.2	1
100	W Burniat, T Cole, I Lissau, E Poskitt, eds. <i>Child and Adolescent Obesity. Causes and Consequences, Prevention and Management</i> . Cambridge, UK: Cambridge University Press, 2002. US\$90, hardcover, 416 pp. ISBN 0-521-65237-5. <i>Public Health Nutrition</i> , 2003, 6, 621-621.	1.1	0
101	Stunted girls have greater subcutaneous fat deposits: what type of intervention can improve the health of stunted children?. <i>Nutrition</i> , 2005, 21, 1153-1155.	1.1	0
102	Differences between bone mineral density, lean and fat mass of HIV-positive and HIV-negative black women. <i>Journal of Endocrinology Metabolism and Diabetes of South Africa</i> , 2019, 24, 50-57.	0.4	0
103	Comparing beverage consumption, physical activity and anthropometry among young adult urban- and rural-dwelling African women. <i>South African Journal of Clinical Nutrition</i> , 2020, 33, 51-52.	0.3	0
104	Community health workers can play an important role in the prevention and control of non-communicable diseases in poor communities. <i>South African Journal of Clinical Nutrition</i> , 2006, 19, 52-54.	0.3	0
105	Do tuck shops contribute to an unhealthy, obesogenic lifestyle among schoolchildren?. <i>South African Journal of Clinical Nutrition</i> , 2011, 24, 121-122.	0.3	0
106	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.	1.6	0
107	For the patient. Understanding reasons for obesity is important to weight control programs. <i>Ethnicity and Disease</i> , 2005, 15, 352.	1.0	0