Crystal D Karakochuk

List of Publications by Year
in descending order

69	811	516215 16	580395 25
papers	citations	h-index	g-index

74	74	74	1013
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genetic Hemoglobin Disorders Rather Than Iron Deficiency Are a Major Predictor of Hemoglobin Concentration in Women of Reproductive Age in Rural Prey Veng, Cambodia,. Journal of Nutrition, 2015, 145, 134-142.	1.3	60
2	Treatment of moderate acute malnutrition with ready-to-use supplementary food results in higher overall recovery rates compared with a corn-soya blend in children in southern Ethiopia: an operations research trial. American Journal of Clinical Nutrition, 2012, 96, 911-916.	2.2	51
3	Measurement and interpretation of hemoglobin concentration in clinical and field settings: a narrative review. Annals of the New York Academy of Sciences, 2019, 1450, 126-146.	1.8	51
4	Maternal vitamin D3 supplementation at 50 Î¼g/d protects against low serum 25-hydroxyvitamin D in infants at 8 wk of age: a randomized controlled trial of 3 doses of vitamin D beginning in gestation and continued in lactation. American Journal of Clinical Nutrition, 2015, 102, 402-410.	2.2	50
5	Poor Thiamin and Riboflavin Status Is Common among Women of Childbearing Age in Rural and Urban Cambodia ,. Journal of Nutrition, 2015, 145, 628-633.	1.3	46
6	High prevalence of thiamine (vitamin B1) deficiency in early childhood among a nationally representative sample of Cambodian women of childbearing age and their children. PLoS Neglected Tropical Diseases, 2017, 11, e0005814.	1.3	44
7	Malaria is a cause of iron deficiency in African children. Nature Medicine, 2021, 27, 653-658.	15.2	35
8	Anemia and Micronutrient Status of Women of Childbearing Age and Children 6â€“59 Months in the Democratic Republic of the Congo. Nutrients, 2016, 8, 98.	1.7	32
9	Perinatal Consumption of Thiamine-Fortified Fish Sauce in Rural Cambodia. JAMA Pediatrics, 2016, 170, e162065.	3.3	31
10	Evaluation of two methods to measure hemoglobin concentration among women with genetic hemoglobin disorders in Cambodia: A method-comparison study. Clinica Chimica Acta, 2015, 441, 148-155.	0.5	25
11	Effect of enhanced homestead food production on anaemia among Cambodian women and children: A cluster randomized controlled trial. Maternal and Child Nutrition, 2019, 15, e12757.	1.4	22
12	Correlations between Maternal, Breast Milk, and Infant Vitamin B12 Concentrations among Motherâ€“Infant Dyads in Vancouver, Canada and Prey Veng, Cambodia: An Exploratory Analysis. Nutrients, 2017, 9, 270.	1.7	21
13	Prenatal supplementation with Corn Soya Blend Plus reduces the risk of maternal anemia in late gestation and lowers the rate of preterm birth but does not significantly improve maternal weight gain and birth anthropometric measurements in rural Cambodian women: a randomized trial. American Journal of Clinical Nutrition, 2016, 103, 559-566.	2.2	20
14	The effect of oral iron with or without multiple micronutrients on hemoglobin concentration and hemoglobin response among nonpregnant Cambodian women of reproductive age: a 2 x 2 factorial, double-blind, randomized controlled supplementation trial. American Journal of Clinical Nutrition, 2017, 106, 233-244.	2.2	19
15	Suboptimal Biochemical Riboflavin Status Is Associated with Lower Hemoglobin and Higher Rates of Anemia in a Sample of Canadian and Malaysian Women of Reproductive Age. Journal of Nutrition, 2019, 149, 1952-1959.	1.3	19
16	Elevated levels of iron in groundwater in Prey Veng province in Cambodia: a possible factor contributing to high iron stores in women. Journal of Water and Health, 2015, 13, 575-586.	1.1	18
17	Variability in haemoglobin concentration by measurement tool and blood source: an analysis from seven countries. Journal of Clinical Pathology, 2021, 74, 657-663.	1.0	18
18	Household Consumption of Thiamin-Fortified Fish Sauce Increases Erythrocyte Thiamin Concentrations among Rural Cambodian Women and Their Children Younger Than 5 Years of Age: A Randomized Controlled Efficacy Trial. Journal of Pediatrics, 2017, 181, 242-247.e2.	0.9	17

#	Article	IF	Citations
19	The Effects of Iron Supplementation and Fortification on the Gut Microbiota: A Review. Gastrointestinal Disorders, 2020, 2, 327-340.	0.4	14
20	Perspective: Weekly Iron and Folic Acid Supplementation (WIFAS): A Critical Review and Rationale for Inclusion in the Essential Medicines List to Accelerate Anemia and Neural Tube Defects Reduction. Advances in Nutrition, 2021, 12, 334-342.	2.9	13
21	Is natural (6S)-5-methyltetrahydrofolic acid as effective as synthetic folic acid in increasing serum and red blood cell folate concentrations during pregnancy? A proof-of-concept pilot study. Trials, 2020, 21, 380.	0.7	13
22	The Homozygous Hemoglobin EE Genotype and Chronic Inflammation Are Associated with High Serum Ferritin and Soluble Transferrin Receptor Concentrations among Women in Rural Cambodia. Journal of Nutrition, 2015, 145, 2765-2773.	1.3	12
23	Improved Sanitation Facilities are Associated with Higher Body Mass Index and Higher Hemoglobin Concentration Among Rural Cambodian Women in the First Trimester of Pregnancy. American Journal of Tropical Medicine and Hygiene, 2016, 95, 1211-1215.	0.6	12
24	Comparison of four immunoassays to measure serum ferritin concentrations and iron deficiency prevalence among non-pregnant Cambodian women and Congolese children. Clinical Chemistry and Laboratory Medicine, 2017, 55, 65-72.	1.4	12
25	Weekly ironâ€“folic acid supplements containing 2.8 mg folic acid are associated with a lower risk of neural tube defects than the current practice of 0.4 mg: a randomised controlled trial in Malaysia. BMJ Global Health, 2020, 5, e003897.	2.0	11
26	Variation in haemoglobin measurement across different HemoCue devices and device operators in rural Cambodia. Journal of Clinical Pathology, 2017, 70, 615-618.	1.0	10
27	Lactating Canadian Women Consuming 1000 Âµg Folic Acid Daily Have High Circulating Serum Folic Acid Above a Threshold Concentration of Serum Total Folate. Journal of Nutrition, 2018, 148, 1103-1108.	1.3	9
28	Anthropometric measures are simple and accurate paediatric weight-prediction proxies in resource-poor settings with a high HIV prevalence. Archives of Disease in Childhood, 2017, 102, 10-16.	1.0	8
29	Serum Soluble Transferrin Receptor Concentrations Are Elevated in Congolese Children with Glucose-6-Phosphate Dehydrogenase Variants, but Not Sickle Cell Variants or Î±-Thalassemia. Journal of Nutrition, 2017, 147, jn252635.	1.3	8
30	Detectable Unmetabolized Folic Acid and Elevated Folate Concentrations in Folic Acid-Supplemented Canadian Children With Sickle Cell Disease. Frontiers in Nutrition, 2021, 8, 642306.	1.6	8
31	Prevalence of Vitamin D Deficiency Varies Widely by Season in Canadian Children and Adolescents with Sickle Cell Disease. Journal of Clinical Medicine, 2018, 7, 14.	1.0	7
32	Including 60 mg Elemental Iron in a Multiple Micronutrient Supplement Blunts the Increase in Serum Zinc after 12 Weeks of Daily Supplementation in Predominantly Anemic, Nonpregnant Cambodian Women of Reproductive Age. Journal of Nutrition, 2019, 149, 1503-1510.	1.3	7
33	Food Sharing Practices in Households Receiving Supplemental Foods for the Treatment of Moderate Acute Malnutrition in Ethiopian Children. Journal of Hunger and Environmental Nutrition, 2015, 10, 343-355.	1.1	6
34	Comparison of a New Multiplex Immunoassay for Measurement of Ferritin, Soluble Transferrin Receptor, Retinol-Binding Protein, C-Reactive Protein and Î±1-Acid-glycoprotein Concentrations against a Widely-Used s-ELISA Method. Diagnostics, 2018, 8, 13.	1.3	6
35	Median Urinary Iodine Concentrations Are Indicative of Adequate Iodine Status among Women of Reproductive Age in Prey Veng, Cambodia. Nutrients, 2016, 8, 139.	1.7	5
36	Mean hemoglobin concentrations in fasting venous and non-fasting capillary blood of Cambodian women using a hemoglobinometer and an automated hematology analyzer. Clinical Chemistry and Laboratory Medicine, 2017, 55, e247-e250.	1.4	5

#	Article	IF	Citations
37	Is untargeted iron supplementation harmful when iron deficiency is not the major cause of anaemia? Study protocol for a double-blind, randomised controlled trial among non-pregnant Cambodian women. BMJ Open, 2020, 10, e037232.	0.8	5
38	Effect of once weekly folic acid supplementation on erythrocyte folate concentrations in women to determine potential to prevent neural tube defects: a randomised controlled dose-finding trial in Malaysia. BMJ Open, 2020, 10, e034598.	0.8	5
39	Iron-Deficiency Prevalence and Supplementation Practices Among Pregnant Women: A Secondary Data Analysis From a Clinical Trial in Vancouver, Canada. Journal of Nutrition, 2022, 152, 2238-2244.	1.3	5
40	Factors affecting the acceptability and consumption of Corn Soya Blend Plus as a prenatal dietary supplement among pregnant women in rural Cambodia. Public Health Nutrition, 2016, 19, 1842-1851.	1.1	4
41	Menstrual blood losses and body mass index are associated with serum ferritin concentrations among female varsity athletes. Applied Physiology, Nutrition and Metabolism, 2020, 45, 723-730.	0.9	4
42	Regression to the Mean: A Statistical Phenomenon of Worthy Consideration in Anemia Research. Current Developments in Nutrition, 2020, 4, nzaa152.	0.1	4
43	Folic acid fortified milk increases blood folate to concentrations associated with a very low risk of neural tube defects in Singaporean women of childbearing age. Asia Pacific Journal of Clinical Nutrition, 2016, 25, 62-70.	0.3	4
44	Pregnancy-induced alterations of 1-carbon metabolism and significance for maternal nutrition requirements. Nutrition Reviews, 2022, 80, 1985-2001.	2.6	4
45	Folic acid supplementation in children with sickle cell disease: study protocol for a double-blind randomized cross-over trial. Trials, 2020, 21, 593.	0.7	3
46	Anemia Prevalence and Anthropometric Status of Indigenous Women and Young Children in Rural Botswana: The San People. Nutrients, 2021, 13, 1105.	1.7	3
47	Iron-Containing Oral Contraceptives and Their Effect on Hemoglobin and Biomarkers of Iron Status: A Narrative Review. Nutrients, 2021, 13, 2340.	1.7	3
48	The Homozygous Hemoglobin EE Variant Is Associated with Poorer Riboflavin Status in Cambodian Women of Reproductive Age. Journal of Nutrition, 2020, 150, 1943-1950.	1.3	3
49	A multicenter analytical performance evaluation of a multiplexed immunoarray for the simultaneous measurement of biomarkers of micronutrient deficiency, inflammation and malarial antigenemia. PLoS ONE, 2021, 16, e0259509.	1.1	3
50	Feasibility of an At-Home Adult Stool Specimen Collection Method in Rural Cambodia. International Journal of Environmental Research and Public Health, 2021, 18, 12430.	1.2	3
51	Strategies for improving recruitment of pregnant women to clinical research: An evaluation of social media versus traditional offline methods. Digital Health, 2022, 8, 205520762210957.	0.9	3
52	Micronutrient intake and prevalence of micronutrient inadequacy among women (15-49 y) and children (6-59 mo) in South Kivu and Kongo Central, Democratic Republic of the Congo (DRC). PLoS ONE, 2020, 15, e0223393.	1.1	2
53	Daily Oral Supplementation with 60 mg of Elemental Iron for 12 Weeks Alters Blood Mitochondrial DNA Content, but Not Leukocyte Telomere Length in Cambodian Women. Nutrients, 2021, 13, 1877.	1.7	2
54	The Effect of Daily Iron Supplementation with 60 mg Ferrous Sulfate for 12 Weeks on Non-Transferrin Bound Iron Concentrations in Women with a High Prevalence of Hemoglobinopathies. Journal of Clinical Medicine, 2019, 8, 180.	1.0	1

#	Article	IF	Citations
55	Is Iron Supplementation Harmful in Populations Where Iron Deficiency Is Not the Cause of Anemia? Protocol for a 12 Week RCT in Cambodia. Current Developments in Nutrition, 2020, 4, nzaa065_002.	0.1	1
56	Can Automated Hematology Analyzers Predict the Presence of a Genetic Hemoglobinopathy? An Analysis of Hematological Biomarkers in Cambodian Women. Diagnostics, 2021, 11, 228.	1.3	1
57	Baseline Hemoglobin, Hepcidin, Ferritin, and Total Body Iron Stores are Equally Strong Diagnostic Predictors of a Hemoglobin Response to 12 Weeks of Daily Iron Supplementation in Cambodian Women. Journal of Nutrition, 2021, 151, 2255-2263.	1.3	1
58	Detectable Unmetabolized Folic Acid, and Sufficient Folate and Vitamin B12 Concentrations Are Evident in Canadian Children with Sickle Cell Disease. Current Developments in Nutrition, 2020, 4, nzaa054_172.	0.1	0
59	Assessing the Effectiveness of Targeted Social Media and Printed Posters as Tools to Recruit Pregnant Women to a Nutrition Trial in Vancouver, Canada. Current Developments in Nutrition, 2020, 4, nzaa056_012.	0.1	0
60	The Inclusion of Folic Acid in Weekly Ironâ€“Folic Acid Supplements Confers no Additional Benefit on Anemia Reduction in Nonpregnant Women: A Randomized Controlled Trial in Malaysia. Journal of Nutrition, 2021, 151, 2264-2270.	1.3	0
61	An Evaluation of Two Methods to Measure Hemoglobin Concentration among Women with Genetic Hemoglobin Disorders in Cambodia: A Methodâ€Comparison Study. FASEB Journal, 2015, 29, 403.1.	0.2	0
62	Title is missing!. , 2020, 15, e0223393.		0
63	Title is missing!. , 2020, 15, e0223393.		0
64	Title is missing!. , 2020, 15, e0223393.		0
65	Title is missing!. , 2020, 15, e0223393.		0
66	Title is missing!. , 2020, 15, e0223393.		0
67	Title is missing!. , 2020, 15, e0223393.		0
68	Title is missing!. , 2020, 15, e0223393.		0
69	Title is missing!. , 2020, 15, e0223393.		0