K Ryan Wessells

List of Publications by Year
in descending order

38	1,742	430754 18	315616 38
papers	citations	h-index	g-index

43	43	43	2623
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Estimating the Global Prevalence of Zinc Deficiency: Results Based on Zinc Availability in National Food Supplies and the Prevalence of Stunting. PLoS ONE, 2012, 7, e50568.	1.1	789
2	Effect of increased concentrations of atmospheric carbon dioxide on the global threat of zinc deficiency: a modelling study. The Lancet Global Health, 2015, 3, e639-e645.	2.9	125
3	Estimating the Global Prevalence of Inadequate Zinc Intake from National Food Balance Sheets: Effects of Methodological Assumptions. PLoS ONE, 2012, 7, e50565.	1.1	121
4	Adjusting plasma or serum zinc concentrations for inflammation: Biomarkers Reflecting Inflammation and Nutritional Determinants of Anemia (BRINDA) project. American Journal of Clinical Nutrition, 2020, 111, 927-937.	2.2	52
5	Lipid-based nutrient supplements and all-cause mortality in children 6â€“24 months of age: a meta-analysis of randomized controlled trials. American Journal of Clinical Nutrition, 2020, 111, 207-218.	2.2	51
6	Development of a Plasma Zinc Concentration Cutoff to Identify Individuals with Severe Zinc Deficiency Based on Results from Adults Undergoing Experimental Severe Dietary Zinc Restriction and Individuals with Acrodermatitis Enteropathica. Journal of Nutrition, 2014, 144, 1204-1210.	1.3	47
7	Characteristics that modify the effect of small-quantity lipid-based nutrient supplementation on child growth: an individual participant data meta-analysis of randomized controlled trials. American Journal of Clinical Nutrition, 2021, 114, 15S-42S.	2.2	41
8	Comparison of haemoglobin assessments by HemoCue and two automated haematology analysers in young Laotian children. Journal of Clinical Pathology, 2018, 71, 532-538.	1.0	38
9	Plasma Zinc Concentration Responds Rapidly to the Initiation and Discontinuation of Short-Term Zinc Supplementation in Healthy Men1â€“4. Journal of Nutrition, 2010, 140, 2128-2133.	1.3	35
10	Effects of Daily Zinc, Daily Multiple Micronutrient Powder, or Therapeutic Zinc Supplementation for Diarrhea Prevention on Physical Growth, Anemia, and Micronutrient Status in Rural Laotian Children: A Randomized Controlled Trial. Journal of Pediatrics, 2019, 207, 80-89.e2.	0.9	35
11	Small-quantity lipid-based nutrient supplements for the prevention of child malnutrition and promotion of healthy development: overview of individual participant data meta-analysis and programmatic implications. American Journal of Clinical Nutrition, 2021, 114, 3S-14S.	2.2	34
12	Short-Term Zinc Supplementation with Dispersible Tablets or Zinc Sulfate Solution Yields Similar Positive Effects on Plasma Zinc Concentration of Young Children in Burkina Faso: A Randomized Controlled Trial. Journal of Pediatrics, 2012, 160, 129-135.e3.	0.9	25
13	Asymptomatic Malaria Infection Affects the Interpretation of Biomarkers of Iron and Vitamin A Status, Even after Adjusting for Systemic Inflammation, but Does Not Affect Plasma Zinc Concentrations among Young Children in Burkina Faso. Journal of Nutrition, 2014, 144, 2050-2058.	1.3	25
14	Micronutrient Status among Pregnant Women in Zinder, Niger and Risk Factors Associated with Deficiency. Nutrients, 2017, 9, 430.	1.7	25
15	Simultaneous assessment of iodine, iron, vitamin A, malarial antigenemia, and inflammation status biomarkers via a multiplex immunoassay method on a population of pregnant women from Niger. PLoS ONE, 2017, 12, e0185868.	1.1	25
16	Characteristics that modify the effect of small-quantity lipid-based nutrient supplementation on child anemia and micronutrient status: an individual participant data meta-analysis of randomized controlled trials. American Journal of Clinical Nutrition, 2021, 114, 68S-94S.	2.2	24
17	Small-quantity lipid-based nutrient supplements for children age 6â€“24 months: a systematic review and individual participant data meta-analysis of effects on developmental outcomes and effect modifiers. American Journal of Clinical Nutrition, 2021, 114, 43S-67S.	2.2	24
18	Comparison of two forms of daily preventive zinc supplementation versus therapeutic zinc supplementation for diarrhea on young childrenâ€™s physical growth and risk of infection: study design and rationale for a randomized controlled trial. BMC Nutrition, 2018, 4, 39.	0.6	21

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19	Associations Between Intestinal Mucosal Function and Changes in Plasma Zinc Concentration Following Zinc Supplementation. Journal of Pediatric Gastroenterology and Nutrition, 2013, 57, 348-355.	0.9	20
20	Assessment of Dietary Intake and Nutrient Gaps, and Development of Food-Based Recommendations, among Pregnant and Lactating Women in Zinder, Niger: An Optifood Linear Programming Analysis. Nutrients, 2019, 11, 72.	1.7	20
21	Prevalence of and factors associated with antenatal care seeking and adherence to recommended ironâ€folic acid supplementation among pregnant women in Zinder, Niger. Maternal and Child Nutrition, 2018, 14, e12466.	1.4	19
22	Urinary iodine concentration identifies pregnant women as iodine deficient yet school-aged children as iodine sufficient in rural Niger. Public Health Nutrition, 2017, 20, 1154-1161.	1.1	16
23	Effects of therapeutic zinc supplementation for diarrhea and two preventive zinc supplementation regimens on the incidence and duration of diarrhea and acute respiratory tract infections in rural Laotian children: A randomized controlled trial. Journal of Global Health, 2020, 10, 010424.	1.2	16
24	Effect of exogenous phytase added to small-quantity lipid-based nutrient supplements (SQ-LNS) on the fractional and total absorption of zinc from a millet-based porridge consumed with SQ-LNS in young Gambian children: a randomized controlled trial. American Journal of Clinical Nutrition, 2019, 110, 1465-1475.	2.2	13
25	Using formative research to promote antenatal care attendance and iron folic acid supplementation in Zinder, Niger. Maternal and Child Nutrition, 2018, 14, e12525.	1.4	11
26	Daily Preventive Zinc Supplementation Decreases Lymphocyte and Eosinophil Concentrations in Rural Laotian Children from Communities with a High Prevalence of Zinc Deficiency: Results of a Randomized Controlled Trial. Journal of Nutrition, 2020, 150, 2204-2213.	1.3	11
27	Prevalence and determinants of gestational weight gain among pregnant women in Niger. Maternal and Child Nutrition, 2020, 16, e12887.	1.4	9
28	Plasma and Nail Zinc Concentrations, But Not Hair Zinc, Respond Positively to Two Different Forms of Preventive Zinc Supplementation in Young Laotian Children: a Randomized Controlled Trial. Biological Trace Element Research, 2021, 199, 442-452.	1.9	9
29	Impact of Two Forms of Daily Preventive Zinc or Therapeutic Zinc Supplementation for Diarrhea on Hair Cortisol Concentrations Among Rural Laotian Children: A Randomized Controlled Trial. Nutrients, 2019, 11, 47.	1.7	8
30	Impact of Daily Preventive Zinc or Therapeutic Zinc Supplementation for Diarrhea on Plasma Biomarkers of Environmental Enteric Dysfunction among Rural Laotian Children: A Randomized Controlled Trial. American Journal of Tropical Medicine and Hygiene, 2020, 102, 415-426.	0.6	8
31	Within-individual differences in plasma ferritin, retinol-binding protein, and zinc concentrations in relation to inflammation observed during a short-term longitudinal study are similar to between-individual differences observed cross-sectionally. American Journal of Clinical Nutrition, 2019, 109, 1484-1492.	2.2	7
32	Iron status and inherited haemoglobin disorders modify the effects of micronutrient powders on linear growth and morbidity among young Lao children in a double-blind randomised trial. British Journal of Nutrition, 2019, 122, 895-909.	1.2	6
33	Out-of-pocket costs and time spent attending antenatal care services: a case study of pregnant women in selected rural communities in Zinder, Niger. BMC Health Services Research, 2021, 21, 47.	0.9	5
34	Impact of Different Strategies for Delivering Supplemental Zinc on Selected Fecal Markers of Environmental Enteric Dysfunction among Young Laotian Children: A Randomized Controlled Trial. American Journal of Tropical Medicine and Hygiene, 2020, 103, 1416-1426.	0.6	4
35	Testing metal, proving mettleâ€"findings from the 2016â€“2018 India Comprehensive National Nutrition Survey regarding the prevalence of low serum zinc concentrations among children and adolescents, and their implications for public health. American Journal of Clinical Nutrition, 2021, 114, 407-409.	2.2	3
36	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

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37	The mixed effects of a package of multilevel interventions on the health and care of pregnant women in Zinder, Niger. BMJ Global Health, 2019, 4, e001200.	2.0	2
38	Daily supplementation of a multiple micronutrient powder improves folate but not thiamine, riboflavin, or vitamin B12 status among young Laotian children: a randomized controlled trial. European Journal of Nutrition, 2022, 61, 3423-3435.	1.8	2