

K Ryan Wessells

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

1,131
citations

15
h-index

33
g-index

43
ext. papers

1,451
ext. citations

4.8
avg, IF

4.82
L-index

#	Paper	IF	Citations
40	Estimating the global prevalence of zinc deficiency: results based on zinc availability in national food supplies and the prevalence of stunting. <i>PLoS ONE</i> , 2012 , 7, e50568	3.7	552
39	Effect of increased concentrations of atmospheric carbon dioxide on the global threat of zinc deficiency: a modelling study. <i>The Lancet Global Health</i> , 2015 , 3, e639-45	13.6	103
38	Estimating the global prevalence of inadequate zinc intake from national food balance sheets: effects of methodological assumptions. <i>PLoS ONE</i> , 2012 , 7, e50565	3.7	80
37	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. <i>Journal of Nutrition</i> , 2014 , 144, 1204-10	4.1	33
36	Plasma zinc concentration responds rapidly to the initiation and discontinuation of short-term zinc supplementation in healthy men. <i>Journal of Nutrition</i> , 2010 , 140, 2128-33	4.1	28
35	Adjusting plasma or serum zinc concentrations for inflammation: Biomarkers Reflecting Inflammation and Nutritional Determinants of Anemia (BRINDA) project. <i>American Journal of Clinical Nutrition</i> , 2020 , 111, 927-937	7	27
34	Comparison of haemoglobin assessments by HemoCue and two automated haematology analysers in young Laotian children. <i>Journal of Clinical Pathology</i> , 2018 , 71, 532-538	3.9	25
33	Lipid-based nutrient supplements and all-cause mortality in children 6-24 months of age: a meta-analysis of randomized controlled trials. <i>American Journal of Clinical Nutrition</i> , 2020 , 111, 207-218	7	20
32	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. <i>Journal of Pediatrics</i> , 2012 , 160, 129-35.e3	3.6	20
31	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. <i>Journal of Nutrition</i> , 2014 , 144, 2050-8	4.1	20
30	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. <i>Journal of Pediatrics</i> , 2019 , 207, 80-89.e2	3.6	19
29	Associations between intestinal mucosal function and changes in plasma zinc concentration following zinc supplementation. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2013 , 57, 348-55	2.8	18
28	Micronutrient Status among Pregnant Women in Zinder, Niger and Risk Factors Associated with Deficiency. <i>Nutrients</i> , 2017 , 9,	6.7	17
27	Comparison of two forms of daily preventive zinc supplementation versus therapeutic zinc supplementation for diarrhea on young children's physical growth and risk of infection: study design and rationale for a randomized controlled trial. <i>BMC Nutrition</i> , 2018 , 4, 39	2.5	16
26	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. <i>PLoS ONE</i> , 2017 , 12, e0185868	3.7	15
25	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. <i>American Journal of Clinical Nutrition</i> , 2021 , 114, 15S-42S	7	15
24	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. <i>Nutrients</i> , 2019 , 11,	6.7	13

23	Urinary iodine concentration identifies pregnant women as iodine deficient yet school-aged children as iodine sufficient in rural Niger. <i>Public Health Nutrition</i> , 2017 , 20, 1154-1161	3.3	12
22	Prevalence of and factors associated with antenatal care seeking and adherence to recommended iron-folic acid supplementation among pregnant women in Zinder, Niger. <i>Maternal and Child Nutrition</i> , 2018 , 14 Suppl 1, e12466	3.4	12
21	Using formative research to promote antenatal care attendance and iron folic acid supplementation in Zinder, Niger. <i>Maternal and Child Nutrition</i> , 2018 , 14, e12525	3.4	8
20	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. <i>American Journal of Clinical Nutrition</i> , 2019 , 109, 1484-1492	7	8
19	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. <i>American Journal of Clinical Nutrition</i> , 2019 , 109, 1484-1492	7	7
18	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. <i>Nutrients</i> , 2018 , 11,	6.7	7
17	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. <i>American Journal of Clinical Nutrition</i> , 2021 , 114, 68S-94S	7	7
16	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. <i>American Journal of Clinical Nutrition</i> , 2021 , 114, 3S-14S	7	7
15	Small-quantity lipid-based nutrient supplements for children age 6-24 months: a systematic review and individual participant data meta-analysis of effects on developmental outcomes and effect modifiers. <i>American Journal of Clinical Nutrition</i> , 2021 , 114, 43S-67S	7	7
14	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. <i>Journal of Nutrition</i> , 2020 , 150, 2204-2213	4.1	6
13	Prevalence and determinants of gestational weight gain among pregnant women in Niger. <i>Maternal and Child Nutrition</i> , 2020 , 16, e12887	3.4	6
12	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. <i>Journal of Global Health</i> , 2020 , 10, 010424	4.3	5
11	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. <i>Biological Trace Element Research</i> , 2021 , 199, 442-452	4.5	4
10	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. <i>British Journal of Nutrition</i> , 2019 , 122, 895-909	3.6	3
9	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. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020 , 102, 415-426	3.2	2
8	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		2
7	Small-quantity lipid-based nutrient supplements for prevention of child malnutrition and promotion of healthy development: Overview of individual participant data meta-analysis and programmatic implications		2
6	Impact of Different Strategies for Delivering Supplemental Zinc on Selected Fecal Markers of Environmental Enteric Dysfunction among Young Laotian Children: A Randomized Controlled Trial. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020 , 103, 1416-1426	3.2	1

5	Testing metal, proving mettlet-findings from the 2016-2018 India Comprehensive National Nutrition Survey regarding the prevalence of low serum zinc concentrations among children and adolescents, and their implications for public health. <i>American Journal of Clinical Nutrition</i> , 2021 , 114, 407-409	7	1
4	The mixed effects of a package of multilevel interventions on the health and care of pregnant women in Zinder, Niger. <i>BMJ Global Health</i> , 2019 , 4, e001200	6.6	1
3	Out-of-pocket costs and time spent attending antenatal care services: a case study of pregnant women in selected rural communities in Zinder, Niger. <i>BMC Health Services Research</i> , 2021 , 21, 47	2.9	1
2	A multicenter analytical performance evaluation of a multiplexed immunoarray for the simultaneous measurement of biomarkers of micronutrient deficiency, inflammation and malarial antigenemia. <i>PLoS ONE</i> , 2021 , 16, e0259509	3.7	0
1	Daily supplementation of a multiple micronutrient powder improves folate but not thiamine, riboflavin, or vitamin B status among young Laotian children: a randomized controlled trial.. <i>European Journal of Nutrition</i> , 2022 , 1	5.2	