Daniel E Roth

List of Publications by Year
in descending order

96 papers	2,235 citations	331538 21 h-index	233338 45 g-index
96 all docs	96 docs citations	96 times ranked	3384 citing authors

#	Article	IF	Citations
1	Global prevalence and disease burden of vitamin D deficiency: a roadmap for action in lowâ€•and middleâ€•income countries. Annals of the New York Academy of Sciences, 2018, 1430, 44-79.	1.8	330
2	Thiamine deficiency disorders: diagnosis, prevalence, and a roadmap for global control programs. Annals of the New York Academy of Sciences, 2018, 1430, 3-43.	1.8	201
3	Vitamin D Supplementation in Pregnancy and Lactation and Infant Growth. New England Journal of Medicine, 2018, 379, 535-546.	13.9	159
4	Vitamin D supplementation during pregnancy: state of the evidence from a systematic review of randomised trials. BMJ: British Medical Journal, 2017, 359, j5237.	2.4	157
5	Zinc supplementation for the prevention of acute lower respiratory infection in children in developing countries: meta-analysis and meta-regression of randomized trials. International Journal of Epidemiology, 2010, 39, 795-808.	0.9	96
6	Use and Misuse of Stunting as a Measure of Child Health. Journal of Nutrition, 2018, 148, 311-315.	1.3	92
7	Randomized placebo-controlled trial of high-dose prenatal third-trimester vitamin D3 supplementation in Bangladesh: the AViDD trial. Nutrition Journal, 2013, 12, 47.	1.5	88
8	Safety and efficacy of alternative antibiotic regimens compared with 7 day injectable procaine benzylpenicillin and gentamicin for outpatient treatment of neonates and young infants with clinical signs of severe infection when referral is not possible: a randomised, open-label, equivalence trial. The Lancet Global Health, 2015, 3, e279-e287.	2.9	85
9	Are National Vitamin D Guidelines Sufficient to Maintain Adequate Blood Levels in Children?. Canadian Journal of Public Health, 2005, 96, 443-449.	1.1	74
10	Early childhood linear growth faltering in low-income and middle-income countries as a whole-population condition: analysis of 179 Demographic and Health Surveys from 64 countries (1993â€“2015). The Lancet Global Health, 2017, 5, e1249-e1257.	2.9	69
11	Maternal Vitamin D3 Supplementation during the Third Trimester ofÂPregnancy: Effects on Infant Growth in a Longitudinal Follow-Up StudyÂinÂBangladesh. Journal of Pediatrics, 2013, 163, 1605-1611.e3.	0.9	64
12	Maternalâ€“fetalâ€“infant dynamics of the C3-epimer of 25-hydroxyvitamin D. Clinical Biochemistry, 2014, 47, 816-822.	0.8	50
13	Pneumococcal conjugate vaccine triggers a better immune response than pneumococcal polysaccharide vaccine in patients with chronic lymphocytic leukemia A randomized study by the Swedish CLL group. Vaccine, 2018, 36, 3701-3707.	1.7	50
14	Maternal vitamin D status and infant anthropometry in a US multi-centre cohort study. Annals of Human Biology, 2015, 42, 217-224.	0.4	48
15	Calcium deficiency worldwide: prevalence of inadequate intakes and associated health outcomes. Annals of the New York Academy of Sciences, 2022, 1512, 10-28.	1.8	41
16	Maternal vitamin D supplementation during pregnancy and lactation to promote infant growth in Dhaka, Bangladesh (MDIG trial): study protocol for a randomized controlled trial. Trials, 2015, 16, 300.	0.7	39
17	Vitamin D Status of Infants in Northeastern Rural Bangladesh: Preliminary Observations and a Review of Potential Determinants. Journal of Health, Population and Nutrition, 2010, 28, 458-69.	0.7	28
18	New approach for the identification of implausible values and outliers in longitudinal childhood anthropometric data. Annals of Epidemiology, 2018, 28, 204-211.e3.	0.9	26

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19	Pharmacokinetics of High-Dose Weekly Oral Vitamin D3 Supplementation during the Third Trimester of Pregnancy in Dhaka, Bangladesh. Nutrients, 2013, 5, 788-810.	1.7	25
20	Vitamin D and fetalâ€“neonatal calcium homeostasis: findings from a randomized controlled trial of high-dose antenatal vitamin D supplementation. Pediatric Research, 2014, 76, 302-309.	1.1	25
21	Anthropometric data quality assessment in multisurvey studies of child growth. American Journal of Clinical Nutrition, 2020, 112, 806S-815S.	2.2	23
22	Utility and feasibility of integrating pulse oximetry into the routine assessment of young infants at primary care clinics in Karachi, Pakistan: a cross-sectional study. BMC Pediatrics, 2015, 15, 141.	0.7	22
23	Vitamin D Supplementation in Pregnancy and Lactation and Infant Growth. New England Journal of Medicine, 2018, 379, 1880-1881.	13.9	21
24	Choosing medications wisely: Is it time to address paediatric polypharmacy?. Paediatrics and Child Health, 2019, 24, 303-305.	0.3	21
25	Maternal vitamin D supplementation during pregnancy and lactation to prevent acute respiratory infections in infancy in Dhaka, Bangladesh (MDARI trial): protocol for a prospective cohort study nested within a randomized controlled trial. BMC Pregnancy and Childbirth, 2016, 16, 309.	0.9	20
26	Pharmacokinetics of a single oral dose of vitamin D3 (70,000 IU) in pregnant and non-pregnant women. Nutrition Journal, 2012, 11, 114.	1.5	19
27	Effect of Food Environment Interventions on Anthropometric Outcomes in School-Aged Children and Adolescents in Low- and Middle-Income Countries: A Systematic Review and Meta-Analysis. Current Developments in Nutrition, 2020, 4, nzaa098.	0.1	19
28	Tablets Are Preferred and More Acceptable Than Powdered Prenatal Calcium Supplements among Pregnant Women in Dhaka, Bangladesh. Journal of Nutrition, 2014, 144, 1106-1112.	1.3	17
29	Prenatal vitamin D supplementation and infant vitamin D status in Bangladesh. Public Health Nutrition, 2017, 20, 1865-1873.	1.1	17
30	Bones and beyond: an update on the role of vitamin D in child and adolescent health in Canada. Applied Physiology, Nutrition and Metabolism, 2007, 32, 770-777.	0.9	16
31	Prenatal high-dose vitamin D3 supplementation has balanced effects on cord blood Th1 and Th2 responses. Nutrition Journal, 2015, 15, 75.	1.5	16
32	Acute respiratory infection case definitions for young children: a systematic review of communityâ€based epidemiologic studies in South Asia. Tropical Medicine and International Health, 2015, 20, 1607-1620.	1.0	16
33	Calcium supplementation for the prevention of hypertensive disorders of pregnancy: current evidence and programmatic considerations. Annals of the New York Academy of Sciences, 2022, 1510, 52-67.	1.8	16
34	Standardization of laboratory practices and reporting of biomarker data in clinical nutrition research. American Journal of Clinical Nutrition, 2020, 112, 453S-457S.	2.2	15
35	Gaps and priorities in assessment of food environments for children and adolescents in low- and middle-income countries. Nature Food, 2021, 2, 396-403.	6.2	14
36	Vitamin D in Breastfed Infants: Systematic Review of Alternatives to Daily Supplementation. Advances in Nutrition, 2020, 11, 144-159.	2.9	13

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37	Association of maternal prenatal selenium concentration and preterm birth: a multicountry meta-analysis. BMJ Global Health, 2021, 6, e005856.	2.0	13
38	Effect of correcting for gestational age at birth on population prevalence of early childhood undernutrition. Emerging Themes in Epidemiology, 2018, 15, 3.	1.2	12
39	Metrics of early childhood growth in recent epidemiological research: A scoping review. PLoS ONE, 2018, 13, e0194565.	1.1	12
40	WHO Child Growth Standards Are Often Incorrectly Applied to Children Born Preterm in Epidemiologic Research. Journal of Nutrition, 2015, 145, 2429-2439.	1.3	11
41	Commentary on â€˜Oral iron supplementation for preventing or treating anaemia among children in malariaâ€endemic areasâ€™ with a response from the review authors. Evidence-Based Child Health: A Cochrane Review Journal, 2010, 5, 1186-1188.	2.0	10
42	Prenatal vitamin D₃supplementation suppresses LL-37 peptide expression inex vivoactivated neonatal macrophages but not their killing capacity. British Journal of Nutrition, 2014, 112, 908-915.	1.2	10
43	Effect of weekly high-dose vitamin D3 supplementation on serum cholecalciferol concentrations in pregnant women. Journal of Steroid Biochemistry and Molecular Biology, 2016, 158, 76-81.	1.2	10
44	Bioavailability of enteric-coated microencapsulated calcium during pregnancy: a randomized crossover trial in Bangladesh. American Journal of Clinical Nutrition, 2014, 100, 1587-1595.	2.2	9
45	Campylobacter infection and household factors are associated with childhood growth in urban Bangladesh: An analysis of the MAL-ED study. PLoS Neglected Tropical Diseases, 2020, 14, e0008328.	1.3	9
46	Maternal postpartum high-dose vitamin D3 supplementation (6400â€…IU/day) or conventional infant vitamin D3 supplementation (400â€…IU/day) lead to similar vitamin D status of healthy exclusively/fully breastfeeding infants by 7â€…months of age. Evidence-Based Medicine, 2016, 21, 75-75.	0.6	8
47	What should I say to parents about vitamin D supplementation from infancy to adolescence?. Paediatrics and Child Health, 2009, 14, 575-577.	0.3	7
48	Genetic characterization of human metapneumovirus identified through community and facilityâ€based surveillance of infants in Dhaka, Bangladesh. Journal of Medical Virology, 2019, 91, 549-554.	2.5	7
49	Maternal-Child Exposures to Persistent Organic Pollutants in Dhaka, Bangladesh. Exposure and Health, 2020, 12, 79-87.	2.8	7
50	Vitamin D Treatment during Pregnancy and Maternal and Neonatal Cord Blood Metal Concentrations at Delivery: Results of a Randomized Controlled Trial in Bangladesh. Environmental Health Perspectives, 2020, 128, 117007.	2.8	6
51	Antimicrobial susceptibilities and comparative whole genome analysis of two isolates of the probiotic bacterium Lactiplantibacillus plantarum, strain ATCC 202195. Scientific Reports, 2021, 11, 15893.	1.6	6
52	Randomized openâ€label trial of two weekly oral vitamin D3 supplementation regimens during the third trimester of pregnancy in Bangladeshi women: effects on maternal vitamin D status and safety. FASEB Journal, 2011, 25, 236.6.	0.2	6
53	The Human-Milk Oligosaccharide Profile of Lactating Women in Dhaka, Bangladesh. Current Developments in Nutrition, 2021, 5, nzab137.	0.1	6
54	Effect of maternal prenatal and postpartum vitamin D supplementation on offspring bone mass and muscle strength in early childhood: follow-up of a randomized controlled trial. American Journal of Clinical Nutrition, 2022, 115, 770-780.	2.2	6

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55	Effect of Correcting the Postnatal Age of Preterm-Born Children on Measures of Associations Between Infant Length-for-Age z Scores and Mid-Childhood Outcomes. American Journal of Epidemiology, 2021, 190, 477-486.	1.6	5
56	Do Early Infant Feeding Practices and Modifiable Household Behaviors Contribute to Age-Specific Interindividual Variations in Infant Linear Growth? Evidence from a Birth Cohort in Dhaka, Bangladesh. Current Developments in Nutrition, 2021, 5, nzab077.	0.1	5
57	Effects of Maternal Vitamin D Supplementation During Pregnancy and Lactation on Infant Acute Respiratory Infections: Follow-up of a Randomized Trial in Bangladesh. Journal of the Pediatric Infectious Diseases Society, 2021, 10, 901-909.	0.6	4
58	Effect of vitamin D supplementation during pregnancy on mid-to-late gestational blood pressure in a randomized controlled trial in Bangladesh. Journal of Hypertension, 2021, 39, 135-142.	0.3	4
59	Conditional random slope: A new approach for estimating individual child growth velocity in epidemiological research. American Journal of Human Biology, 2017, 29, e23009.	0.8	3
60	A novel development indicator based on population-average height trajectories of children aged 0â€“5 years modelled using 145 surveys in 64 countries, 2000â€“2018. BMJ Global Health, 2021, 6, e004107.	2.0	3
61	Effects of highâ€dose antenatal 3rdâ€trimester vitamin D supplementation (35,000 IU/week) on maternal and newborn vitamin D status: a randomized placeboâ€controlled trial in Dhaka, Bangladesh. FASEB Journal, 2012, 26, 392.3.	0.2	3
62	Linear growth and mid-childhood cognitive outcomes in three birth cohorts of term-born children: an approach to integrating three growth models to explore critical windows. BMJ Open, 2020, 10, e036850.	0.8	2
63	Higher maternal parathyroid hormone concentration at delivery is not associated with smaller newborn size. Endocrine Connections, 2021, 10, 345-357.	0.8	2
64	Availability and Intake of Foods with Naturally Occurring or Added Vitamin D in a Setting of High Vitamin D Deficiency. FASEB Journal, 2015, 29, 391.3.	0.2	2
65	Prenatal vitamin D and cord blood insulin-like growth factors in Dhaka, Bangladesh. Endocrine Connections, 2019, 8, 745-753.	0.8	2
66	Antimicrobial Prescribing during Infant Hospital Admissions in a Birth Cohort in Dhaka, Bangladesh. Journal of Tropical Pediatrics, 2021, 67, .	0.7	2
67	Implications for quantifying early life growth trajectories of termâ€born infants using INTERGROWTHâ€21st newborn size standards at birth in conjunction with World Health Organization child growth standards in the postnatal period. Paediatric and Perinatal Epidemiology, 2022, , .	0.8	2
68	Determinants of Vitamin D Status of Women of Reproductive Age in Dhaka, Bangladesh: Insights from Husbandâ€“Wife Comparisons. Current Developments in Nutrition, 2019, 3, nzz112.	0.1	1
69	Growth Delay and Height-Age: Alternative Indicators of Population Health Based on Child Height Distributions. Current Developments in Nutrition, 2020, 4, nzaa053_070.	0.1	1
70	Effect of Maternal Vitamin D Supplementation on Iron Status During Pregnancy. Current Developments in Nutrition, 2020, 4, nzaa054_126.	0.1	1
71	The Association Between Maternal and Umbilical Cord Selenium Status and Fetal and Infant Growth in a Birth Cohort in Dhaka, Bangladesh. Current Developments in Nutrition, 2020, 4, nzaa054_159.	0.1	1
72	Physical Activity and the Home Environment of Pre-School-Aged Children in Urban Bangladesh. International Journal of Environmental Research and Public Health, 2021, 18, 3362.	1.2	1

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73	Basal Vitamin D Status and Supplement Dose Are Primary Contributors to Maternal 25-Hydroxyvitamin D Response to Prenatal and Postpartum Cholecalciferol Supplementation. Journal of Nutrition, 2021, 151, 3361-3378.	1.3	1
74	Prenatal vitamin D supplementation and infant vitamin D status in Bangladesh (256.4). FASEB Journal, 2014, 28, 256.4.	0.2	1
75	Medications Reconciled at Discharge Versus Admission Among Inpatients at a Childrenâ€™s Hospital. Hospital Pediatrics, 2021, , .	0.6	1
76	Growth delay: an alternative measure of population health based on child height distributions. Annals of Human Biology, 2022, 49, 100-108.	0.4	1
77	Effect of Prenatal and Postpartum Vitamin D Supplementation on Circulating Biomarkers of Maternal Bone Metabolism (P24-048-19). Current Developments in Nutrition, 2019, 3, nzz044.P24-048-19.	0.1	0
78	Human Milk Oligosaccharide Composition of Breast Milk from Lactating Women in Dhaka, Bangladesh (P11-040-19). Current Developments in Nutrition, 2019, 3, nzz048.P11-040-19.	0.1	0
79	Association of Bone Metabolism Biomarkers with Infant Linear Growth in a Birth Cohort from Dhaka, Bangladesh (P10-012-19). Current Developments in Nutrition, 2019, 3, nzz034.P10-012-19.	0.1	0
80	Effect of Maternal Vitamin D Supplementation During Pregnancy and Lactation on Early Infant Nasal Pneumococcal Carriage in Bangladesh (P10-125-19). Current Developments in Nutrition, 2019, 3, nzz034.P10-125-19.	0.1	0
81	Alternative Metrics of Linear Growth for Tracking Global Progress in Child Undernutrition (P10-001-19). Current Developments in Nutrition, 2019, 3, nzz034.P10-001-19.	0.1	0
82	Effect of Prenatal Vitamin D Supplementation on Placental Angiogenic Factors in Bangladesh (FS08-07-19). Current Developments in Nutrition, 2019, 3, nzz044.FS08-07-19.	0.1	0
83	Effect of Vitamin D Supplementation During Pregnancy on Blood Concentrations of Toxic Metals (P24-063-19). Current Developments in Nutrition, 2019, 3, nzz044.P24-063-19.	0.1	0
84	Effect of Maternal Postpartum and Infant Intermittent Vitamin D Supplementation on Infant Vitamin D Status: A Systematic Review and Meta-Analysis of Trials (P11-089-19). Current Developments in Nutrition, 2019, 3, nzz048.P11-089-19.	0.1	0
85	Discrepant Inferences When Modeling Associations Between Time-Varying Exposures and Linear Growth Trajectories in Infancy Using Length-For-Age Z Scores Versus Raw Length. Current Developments in Nutrition, 2020, 4, nzaa054_131.	0.1	0
86	Effect of Maternal Prenatal and Postpartum Vitamin D Supplementation on Offspring Bone Mass in Early Childhood: Follow-Up of a Randomized Controlled Trial. Current Developments in Nutrition, 2021, 5, 797.	0.1	0
87	25â€hydroxyvitamin D response to a single vitamin D3 dose in pregnant and nonâ€pregnant women: a pharmacokinetic study in Dhaka, Bangladesh. FASEB Journal, 2010, 24, lb341.	0.2	0
88	Seasonal variations in vitamin D status in Bangladesh: a preliminary look at the potential role of aerosol pollution. FASEB Journal, 2011, 25, 996.19.	0.2	0
89	Development and in vitro characterization of a novel prenatal multiâ€micronutrient powder incorporating differentially microencapsulated calcium carbonate and ferrous fumarate to overcome intraâ€intestinal calciumâ€iron interactions. FASEB Journal, 2013, 27, .	0.2	0
90	Bioavailability of entericâ€coated microencapsulated calcium during pregnancy: a randomized crossover trial in Bangladesh (804.4). FASEB Journal, 2014, 28, 804.4.	0.2	0

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91	Preference and acceptability of alternative delivery vehicles for prenatal calcium supplementation among pregnant women in urban Bangladesh (256.2). FASEB Journal, 2014, 28, 256.2.	0.2	0
92	Measuring Child Length and Height: Assessing the Accuracy of a Portable Infraredâ€based Digital Tool. FASEB Journal, 2015, 29, 31.3.	0.2	0
93	Stunting: prevalence and prevention. , 2021, , .		0
94	Effect of maternal vitamin D supplementation on nasal pneumococcal acquisition, carriage dynamics and carriage density in infants in Dhaka, Bangladesh. BMC Infectious Diseases, 2022, 22, 52.	1.3	0
95	Selenium Speciation in Paired Whole Blood and Serum Samples From Pregnant Bangladeshi Women. Current Developments in Nutrition, 2022, 6, 312.	0.1	0
96	Relationships Between 25-Hydroxyvitamin D, Parathyroid Hormone, and Bone Mass in 4-Year-Old Children in Dhaka, Bangladesh. Current Developments in Nutrition, 2022, 6, 726.	0.1	0