

Chittaranjan S Yajnik

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

7,222
citations

94269

37
h-index

60497

81
g-index

106
all docs

106
docs citations

106
times ranked

8812
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust determinants of neurocognitive development in children: evidence from the Pune Maternal Nutrition Study. <i>Journal of Developmental Origins of Health and Disease</i> , 2023, 14, 110-121.	0.7	0
2	Vitamin B12 and Folate Markers Are Associated with Insulin Resistance During the Third Trimester of Pregnancy in South Asian Women, Living in the United Kingdom, with Gestational Diabetes and Normal Glucose Tolerance. <i>Journal of Nutrition</i> , 2022, 152, 163-170.	1.3	6
3	Role of Placental Glucose Transporters in Determining Fetal Growth. <i>Reproductive Sciences</i> , 2022, 29, 2744-2759.	1.1	12
4	Subgroups of patients with young-onset type 2 diabetes in India reveal insulin deficiency as a major driver. <i>Diabetologia</i> , 2022, 65, 65-78.	2.9	34
5	Biosocial life-course factors associated with women's early marriage in rural India: The prospective longitudinal Pune Maternal Nutrition Study. <i>American Journal of Biological Anthropology</i> , 2022, 177, 147.	0.6	4
6	Identification of genetic effects underlying type 2 diabetes in South Asian and European populations. <i>Communications Biology</i> , 2022, 5, 329.	2.0	21
7	Twins in Guinea-Bissau have a "thin-fat" body composition compared to singletons. <i>Journal of Developmental Origins of Health and Disease</i> , 2022, 13, 787-793.	0.7	1
8	Circulating microRNAs from early childhood and adolescence are associated with pre-diabetes at 18 years of age in women from the PMNS cohort. <i>Journal of Developmental Origins of Health and Disease</i> , 2022, 13, 806-811.	0.7	5
9	Multi-ancestry genetic study of type 2 diabetes highlights the power of diverse populations for discovery and translation. <i>Nature Genetics</i> , 2022, 54, 560-572.	9.4	250
10	Adolescent diet and physical activity in the context of economic, social and nutrition transition in rural Maharashtra, India: a qualitative study. <i>Public Health Nutrition</i> , 2021, 24, 5299-5308.	1.1	5
11	Protocol for a cluster randomised trial evaluating a multifaceted intervention starting preconceptionally "Early Interventions to Support Trajectories for Healthy Life in India (EINSTEIN): a Healthy Life Trajectories Initiative (HeLTI) Study. <i>BMJ Open</i> , 2021, 11, e045862.	0.8	12
12	Maternal Vitamin B12 Status During Pregnancy and Its Association With Outcomes of Pregnancy and Health of the Offspring: A Systematic Review and Implications for Policy in India. <i>Frontiers in Endocrinology</i> , 2021, 12, 619176.	1.5	54
13	Low vitamin B-12 "high folate status in adolescents and pregnant women may have deleterious effects on health of the offspring. <i>American Journal of Clinical Nutrition</i> , 2021, 113, 1057-1059.	2.2	5
14	Intrauterine Exposure to Vitamin B12 and Folate Imbalance and Brain Structure in Young Adults of the Pune Maternal Nutrition Study (PMNS) Birth Cohort. <i>Current Developments in Nutrition</i> , 2021, 5, 894.	0.1	0
15	FUT Genotypes, Secretor Status, H.pylori Antibody Levels and Vitamin-B12 Concentrations in Indians. <i>Current Developments in Nutrition</i> , 2021, 5, 951.	0.1	0
16	Efficacy of Fortified Nutrient Bar and Yogurt in Improving Plasma B12 Concentrations "Results From 2 Double-Blind Randomized Placebo Controlled Trials. <i>Food and Nutrition Bulletin</i> , 2021, 42, 480-489.	0.5	3
17	Association of maternal vitamin B12 and folate levels in early pregnancy with gestational diabetes: a prospective UK cohort study (PRiDE study). <i>Diabetologia</i> , 2021, 64, 2170-2182.	2.9	42
18	Maternal vitamin B12, folate during pregnancy and neurocognitive outcomes in young adults of the Pune Maternal Nutrition Study (PMNS) prospective birth cohort: study protocol. <i>BMJ Open</i> , 2021, 11, e046242.	0.8	2

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19	Poor In Utero Growth, and Reduced β -Cell Compensation and High Fasting Glucose From Childhood, Are Harbingers of Glucose Intolerance in Young Indians. <i>Diabetes Care</i> , 2021, 44, 2747-2757.	4.3	12
20	Pre-conceptional Maternal Vitamin B12 Supplementation Improves Offspring Neurodevelopment at 2 Years of Age: PRIYA Trial. <i>Frontiers in Pediatrics</i> , 2021, 9, 755977.	0.9	19
21	Maternal Glucose and LDL-Cholesterol Levels Are Related to Placental Leptin Gene Methylation, and, Together With Nutritional Factors, Largely Explain a Higher Methylation Level Among Ethnic South Asians. <i>Frontiers in Endocrinology</i> , 2021, 12, 809916.	1.5	7
22	Do components of adult height predict body composition and cardiometabolic risk in a young adult South Asian Indian population? Findings from a hospital-based cohort study in Pune, India: Pune Children's Study. <i>BMJ Open</i> , 2020, 10, e036897.	0.8	1
23	Association of preeclampsia with anthropometric measures and blood pressure in Indian children. <i>PLoS ONE</i> , 2020, 15, e0231989.	1.1	9
24	Fetal adiposity epidemic in the modern world: a thrifty phenotype aggravated by maternal obesity and diabetes. <i>American Journal of Clinical Nutrition</i> , 2020, 112, 8-10.	2.2	10
25	Type 1 diabetes genetic risk score is discriminative of diabetes in non-Europeans: evidence from a study in India. <i>Scientific Reports</i> , 2020, 10, 9450.	1.6	25
26	Maternal B12, Folate and Homocysteine Concentrations and Offspring Cortisol and Cardiovascular Responses to Stress. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e2591-e2599.	1.8	6
27	Food Access and Nutritional Status of Rural Adolescents in India: Pune Maternal Nutrition Study. <i>American Journal of Preventive Medicine</i> , 2020, 58, 728-735.	1.6	8
28	A physiological dose of oral vitamin B-12 improves hematological, biochemical-metabolic indices and peripheral nerve function in B-12 deficient Indian adolescent women. <i>PLoS ONE</i> , 2019, 14, e0223000.	1.1	14
29	The Preconception Period analysis of Risks and Exposures Influencing health and Development (PrePARED) consortium. <i>Paediatric and Perinatal Epidemiology</i> , 2019, 33, 490-502.	0.8	18
30	Racial/ethnic differences in the burden of type 2 diabetes over the life course: a focus on the USA and India. <i>Diabetologia</i> , 2019, 62, 1751-1760.	2.9	57
31	Developmental undernutrition, offspring obesity and type 2 diabetes. <i>Diabetologia</i> , 2019, 62, 1773-1778.	2.9	26
32	Developmental origins of secondary school dropout in rural India and its differential consequences by sex: A biosocial life-course analysis. <i>International Journal of Educational Development</i> , 2019, 66, 8-23.	1.4	19
33	Maternal anxiety and competency of mothers of children with type 1 diabetes. <i>International Journal of Diabetes in Developing Countries</i> , 2019, 39, 245-246.	0.3	0
34	Before the beginning: nutrition and lifestyle in the preconception period and its importance for future health. <i>Lancet, The</i> , 2018, 391, 1830-1841.	6.3	691
35	Origins of lifetime health around the time of conception: causes and consequences. <i>Lancet, The</i> , 2018, 391, 1842-1852.	6.3	771
36	IGF-I and IGFBP-3 concentrations at 2 years: associations with anthropometry and milk consumption in an Indian cohort. <i>European Journal of Clinical Nutrition</i> , 2018, 72, 564-571.	1.3	17

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37	Confessions of a thin-fat Indian. <i>European Journal of Clinical Nutrition</i> , 2018, 72, 469-473.	1.3	6
38	Vitamin B ₁₂ supplementation influences methylation of genes associated with Type 2 diabetes and its intermediate traits. <i>Epigenomics</i> , 2018, 10, 71-90.	1.0	42
39	The increasing burden of diabetes and variations among the states of India: the Global Burden of Disease Study 1990–2016. <i>The Lancet Global Health</i> , 2018, 6, e1352-e1362.	2.9	323
40	Candidate genes linking maternal nutrient exposure to offspring health via DNA methylation: a review of existing evidence in humans with specific focus on one-carbon metabolism. <i>International Journal of Epidemiology</i> , 2018, 47, 1910-1937.	0.9	51
41	Evaluation of tracer labelled methionine load test in vitamin B-12 deficient adolescent women. <i>PLoS ONE</i> , 2018, 13, e0196970.	1.1	6
42	Growth and body composition of children aged 2–4 years after exposure to community mobilisation women's groups in Bangladesh. <i>Journal of Epidemiology and Community Health</i> , 2018, 72, 888-895.	2.0	5
43	Life course programming of stress responses in adolescents and young adults in India: Protocol of the Stress Responses in Adolescence and Vulnerability to Adult Non-communicable disease (SRAVANA) Study. <i>Wellcome Open Research</i> , 2018, 3, 56.	0.9	5
44	Pregnancy Glycemia Reflects Life Course Glycemia of the Mother. <i>Diabetes</i> , 2018, 67, .	0.3	4
45	GWAS identifies population-specific new regulatory variants in <i>FLUT6</i> associated with plasma B12 concentrations in Indians. <i>Human Molecular Genetics</i> , 2017, 26, 2551-2564.	1.4	30
46	Associations of Maternal Vitamin B12 Concentration in Pregnancy With the Risks of Preterm Birth and Low Birth Weight: A Systematic Review and Meta-Analysis of Individual Participant Data. <i>American Journal of Epidemiology</i> , 2017, 185, 212-223.	1.6	108
47	Inclusion of Population-specific Reference Panel from India to the 1000 Genomes Phase 3 Panel Improves Imputation Accuracy. <i>Scientific Reports</i> , 2017, 7, 6733.	1.6	12
48	Cobalamin Status from Pregnancy to Early Childhood: Lessons from Global Experience. <i>Advances in Nutrition</i> , 2017, 8, 971-979.	2.9	43
49	Nations within a nation: variations in epidemiological transition across the states of India, 1990–2016 in the Global Burden of Disease Study. <i>Lancet</i> , The, 2017, 390, 2437-2460.	6.3	647
50	The Pune Rural Intervention in Young Adolescents (PRIYA) study: design and methods of a randomised controlled trial. <i>BMC Nutrition</i> , 2017, 3, 41.	0.6	26
51	Vitamin B12 deficiency. <i>Nature Reviews Disease Primers</i> , 2017, 3, 17040.	18.1	543
52	Supplementation of vitamin B12 or folic acid on hemoglobin concentration in children 6–36 months of age: A randomized placebo controlled trial. <i>Clinical Nutrition</i> , 2017, 36, 986-991.	2.3	8
53	Fetal growth trajectories in pregnancies of European and South Asian mothers with and without gestational diabetes, a population-based cohort study. <i>PLoS ONE</i> , 2017, 12, e0172946.	1.1	31
54	The Elevated Susceptibility to Diabetes in India: An Evolutionary Perspective. <i>Frontiers in Public Health</i> , 2016, 4, 145.	1.3	108

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55	Prevalence of vitamin B-12 insufficiency during pregnancy and its effect on offspring birth weight: a systematic review and meta-analysis. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 1232-1251.	2.2	86
56	Vitamin B12 and Folic Acid Improve Gross Motor and Problem-Solving Skills in Young North Indian Children: A Randomized Placebo-Controlled Trial. <i>PLoS ONE</i> , 2015, 10, e0129915.	1.1	56
57	Multigenerational Undernutrition Increases Susceptibility to Obesity and Diabetes that Is Not Reversed after Dietary Recuperation. <i>Cell Metabolism</i> , 2015, 22, 312-319.	7.2	83
58	Higher glucose, insulin and insulin resistance (HOMA-IR) in childhood predict adverse cardiovascular risk in early adulthood: the Pune Children's Study. <i>Diabetologia</i> , 2015, 58, 1626-1636.	2.9	44
59	Vitamin B-12, Folic Acid, and Growth in 6- to 30-Month-Old Children: A Randomized Controlled Trial. <i>Pediatrics</i> , 2015, 135, e918-e926.	1.0	48
60	Intrauterine Programming of Diabetes and Adiposity. <i>Current Obesity Reports</i> , 2015, 4, 418-428.	3.5	32
61	Lower Circulating B12 Is Associated with Higher Obesity and Insulin Resistance during Pregnancy in a Non-Diabetic White British Population. <i>PLoS ONE</i> , 2015, 10, e0135268.	1.1	74
62	Maternal homocysteine in pregnancy and offspring birthweight: epidemiological associations and Mendelian randomization analysis. <i>International Journal of Epidemiology</i> , 2014, 43, 1487-1497.	0.9	71
63	Transmission of Obesity-Adiposity and Related Disorders from the Mother to the Baby. <i>Annals of Nutrition and Metabolism</i> , 2014, 64, 8-17.	1.0	69
64	Iodine status during pregnancy in India and related neonatal and infant outcomes. <i>Public Health Nutrition</i> , 2014, 17, 1353-1362.	1.1	21
65	Association between maternal folate concentrations during pregnancy and insulin resistance in Indian children. <i>Diabetologia</i> , 2014, 57, 110-121.	2.9	111
66	Prevalence and predictors of anemia in a population of North Indian children. <i>Nutrition</i> , 2014, 30, 531-537.	1.1	21
67	Tracking of cardiovascular risk factors from childhood to young adulthood – the Pune Children's Study. <i>International Journal of Cardiology</i> , 2014, 175, 176-178.	0.8	45
68	Influence of Maternal Vitamin B ₁₂ and Folate on Growth and Insulin Resistance in the Offspring. <i>Nestle Nutrition Institute Workshop Series</i> , 2013, 74, 145-156.	1.5	39
69	Conventional and novel cardiovascular risk factors and markers of vascular damage in rural and urban Indian men. <i>International Journal of Cardiology</i> , 2013, 165, 255-259.	0.8	8
70	Commentary: Thrifty phenotype: 20 years later. <i>International Journal of Epidemiology</i> , 2013, 42, 1227-1229.	0.9	13
71	Quick and Simple Evaluation of Sudomotor Function for Screening of Diabetic Neuropathy. <i>Isrn Endocrinology</i> , 2012, 2012, 1-7.	2.0	76
72	Maternal one-carbon metabolism, MTHFR and TCN2 genotypes and neural tube defects in India. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2011, 91, 848-856.	1.6	52

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73	Higher Maternal Plasma Folate but Not Vitamin B-12 Concentrations during Pregnancy Are Associated with Better Cognitive Function Scores in 9- to 10- Year-Old Children in South India. <i>Journal of Nutrition</i> , 2010, 140, 1014-1022.	1.3	141
74	Imperative of Preventive Measures Addressing the Life-Cycle. <i>Nestle Nutrition Workshop Series Paediatric Programme</i> , 2009, 63, 177-194.	1.5	1
75	Whole Body Magnetic Resonance Imaging of Healthy Newborn Infants Demonstrates Increased Central Adiposity in Asian Indians. <i>Pediatric Research</i> , 2009, 65, 584-587.	1.1	92
76	Increases in Plasma Holotranscobalamin Can Be Used to Assess Vitamin B-12 Absorption in Individuals with Low Plasma Vitamin B-12. <i>Journal of Nutrition</i> , 2009, 139, 2119-2123.	1.3	31
77	Nutrient-mediated teratogenesis and fuel-mediated teratogenesis: Two pathways of intrauterine programming of diabetes. <i>International Journal of Gynecology and Obstetrics</i> , 2009, 104, S27-31.	1.0	69
78	Maternal nutrition, intrauterine programming and consequential risks in the offspring. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2008, 9, 203-11.	2.6	160
79	Vitamin B ₁₂ Status of Pregnant Indian Women and Cognitive Function in their 9-year-old Children. <i>Food and Nutrition Bulletin</i> , 2008, 29, 249-254.	0.5	115
80	Oral vitamin B12 supplementation reduces plasma total homocysteine concentration in women in India. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2007, 16, 103-9.	0.3	24
81	Nutritional Control of Fetal Growth. <i>Nutrition Reviews</i> , 2006, 64, 50-51.	2.6	14
82	Maternal total homocysteine concentration and neonatal size in India. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2005, 14, 179-81.	0.3	61
83	The Y-Y paradox. <i>Lancet, The</i> , 2004, 363, 163.	6.3	201
84	Nutrition, growth, and body size in relation to insulin resistance and type 2 diabetes. <i>Current Diabetes Reports</i> , 2003, 3, 108-114.	1.7	26
85	Impairment of Glucose Tolerance Over 10 Years in Middle-Aged Normal Glucose Tolerant Indians. <i>Diabetes Care</i> , 2003, 26, 2212-2213.	4.3	13
86	Higher Offspring Birth Weight Predicts the Metabolic Syndrome in Mothers but Not Fathers 8 Years After Delivery: The Pune Children's Study. <i>Diabetes</i> , 2003, 52, 2090-2096.	0.3	39
87	Hyperhomocysteinemia and elevated methylmalonic acid indicate a high prevalence of cobalamin deficiency in Asian Indians. <i>American Journal of Clinical Nutrition</i> , 2001, 74, 233-241.	2.2	316
88	Intake of Micronutrient-Rich Foods in Rural Indian Mothers Is Associated with the Size of Their Babies at Birth: Pune Maternal Nutrition Study. <i>Journal of Nutrition</i> , 2001, 131, 1217-1224.	1.3	423
89	The Insulin Resistance Epidemic in India: Fetal Origins, Later Lifestyle, or Both?. <i>Nutrition Reviews</i> , 2001, 59, 1-9.	2.6	127
90	Interactions of perturbations in intrauterine growth and growth during childhood on the risk of adult-onset disease. <i>Proceedings of the Nutrition Society</i> , 2000, 59, 257-265.	0.4	199

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91	Fibrocalculous Pancreatic Diabetes in Pune, India: Clinical features and follow-up for 7 yr. Diabetes Care, 1993, 16, 916-921.	4.3	15
92	Exocrine Pancreatic Function (Serum Immunoreactive Trypsin, Fecal Chymotrypsin, and Pancreatic) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 5	0.5	16