Georg Lietz

List of Publications by Year in descending order

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47 papers	2,241 citations	279798 23 h-index	276875 41 g-index
49 all docs	49 docs citations	49 times ranked	2811 citing authors

#	Article	IF	Citations
1	Î²-Carotene Is an Important Vitamin A Source for Humans. Journal of Nutrition, 2010, 140, 2268S-2285S.	2.9	402
2	Biomarkers of Nutrition for Development (BOND)â€”Vitamin A Review. Journal of Nutrition, 2016, 146, 1816S-1848S.	2.9	317
3	Beta-Carotene Reduces Body Adiposity of Mice via BCMO1. PLoS ONE, 2011, 6, e20644.	2.5	133
4	Single Nucleotide Polymorphisms Upstream from the Î²-Carotene 15,15'-Monoxygenase Gene Influence Provitamin A Conversion Efficiency in Female Volunteers4. Journal of Nutrition, 2012, 142, 161S-165S.	2.9	119
5	From carotenoid intake to carotenoid blood and tissue concentrations â€“ implications for dietary intake recommendations. Nutrition Reviews, 2021, 79, 544-573.	5.8	113
6	CD36 and SR-BI Are Involved in Cellular Uptake of Provitamin A Carotenoids by Caco-2 and HEK Cells, and Some of Their Genetic Variants Are Associated with Plasma Concentrations of These Micronutrients in Humans. Journal of Nutrition, 2013, 143, 448-456.	2.9	109
7	Molecular and dietary regulation of Î²,Î²-carotene 15,15â€²-monooxygenase 1 (BCMO1). Archives of Biochemistry and Biophysics, 2010, 502, 8-16.	3.0	105
8	Hepatic Lipoprotein Export and Remission of Human Type 2 Diabetes after Weight Loss. Cell Metabolism, 2020, 31, 233-249.e4.	16.2	102
9	Comparison of the effects of supplemental red palm oil and sunflower oil on maternal vitamin A status. American Journal of Clinical Nutrition, 2001, 74, 501-509.	4.7	84
10	Importance of Î²,Î²â€carotene 15,15â€²â€monooxygenase 1 (BCMO1) and Î²,Î²â€carotene 9â€²,10â€²â€dioxygenase 2 (BCDO2) in nutrition and health. Molecular Nutrition and Food Research, 2012, 56, 241-250.	3.3	68
11	Î²-Carotene conversion products and their effects on adipose tissue. Genes and Nutrition, 2009, 4, 179-187.	2.5	61
12	Consumption of Fish Oil Providing Amounts of Eicosapentaenoic Acid and Docosahexaenoic Acid That Can Be Obtained from the Diet Reduces Blood Pressure in Adults with Systolic Hypertension: A Retrospective Analysis. Journal of Nutrition, 2016, 146, 516-523.	2.9	56
13	Effects of Quinoa (Chenopodium quinoa Willd.) Consumption on Markers of CVD Risk. Nutrients, 2018, 10, 777.	4.1	54
14	Xanthophyll and Hydrocarbon Carotenoid Patterns Differ in Plasma and Breast Milk of Women Supplemented with Red Palm Oil during Pregnancy and Lactation. Journal of Nutrition, 2006, 136, 1821-1827.	2.9	51
15	Can the EPIC food-frequency questionnaire be used in adolescent populations?. Public Health Nutrition, 2002, 5, 783-789.	2.2	46
16	Does selection for growth rate in broilers affect their resistance and tolerance to Eimeria maxima?. Veterinary Parasitology, 2018, 258, 88-98.	1.8	37
17	Buckwheat and CVD Risk Markers: A Systematic Review and Meta-Analysis. Nutrients, 2018, 10, 619.	4.1	36
18	A Retinol Isotope Dilution Equation Predicts Both Group and Individual Total Body Vitamin A Stores in Adults Based on Data from an Early Postdosing Blood Sample. Journal of Nutrition, 2016, 146, 2137-2142.	2.9	35

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19	An LC/MS/MS method for stable isotope dilution studies of Î²-carotene bioavailability, bioconversion, and vitamin A status in humans. Journal of Lipid Research, 2014, 55, 319-328.	4.2	34
20	Current Capabilities and Limitations of Stable Isotope Techniques and Applied Mathematical Equations in Determining Whole-Body Vitamin A Status. Food and Nutrition Bulletin, 2016, 37, S87-S103.	1.4	33
21	Plasma Retinol Kinetics and Î²-Carotene Bioefficacy Are Quantified by Model-Based Compartmental Analysis in Healthy Young Adults with Low Vitamin A Stores. Journal of Nutrition, 2016, 146, 2129-2136.	2.9	29
22	Use of Model-Based Compartmental Analysis and a Super-Child Design to Study Whole-Body Retinol Kinetics and Vitamin A Total Body Stores in Children from 3 Lower-Income Countries. Journal of Nutrition, 2020, 150, 411-418.	2.9	29
23	Phenolic, apparent antioxidant and nutritional composition of quinoa (Chenopodium quinoa Willd.) seeds. International Journal of Food Science and Technology, 2021, 56, 3245-3254.	2.7	26
24	Micronutrient status assessment in humans: Current methods of analysis and future trends. TrAC - Trends in Analytical Chemistry, 2018, 102, 110-122.	11.4	24
25	Plasma Levels of Retinol, Carotenoids, and Tocopherols in Relation to Dietary Pattern among Pregnant Tanzanian Women. International Journal for Vitamin and Nutrition Research, 2003, 73, 323-333.	1.5	20
26	Association of oily fish intake, sex, age, BMI andAPOEgenotype with plasma long-chainn-3 fatty acid composition. British Journal of Nutrition, 2018, 120, 23-32.	2.3	15
27	A network approach to micronutrient genetics: interactions with lipid metabolism. Current Opinion in Lipidology, 2009, 20, 112-120.	2.7	15
28	Maximizing the benefits and minimizing the risks of intervention programs to address micronutrient malnutrition: symposium report. Maternal and Child Nutrition, 2016, 12, 940-948.	3.0	12
29	A Simple Plasma Retinol Isotope Ratio Method for Estimating Î²-Carotene Relative Bioefficacy in Humans: Validation with the Use of Model-Based Compartmental Analysis. Journal of Nutrition, 2017, 147, 1806-1814.	2.9	12
30	Dietary betaâ€carotene and lutein metabolism is modulated by the APOE genotype. BioFactors, 2016, 42, 388-396.	5.4	11
31	Intestinal Î²-carotene bioconversion in humans is determined by a new single-sample, plasma isotope ratio method and compared with traditional and modified area-under-the-curve methods. Archives of Biochemistry and Biophysics, 2018, 653, 121-126.	3.0	9
32	A pilot study investigating reactive oxygen species production in capillary blood after a marathon and the influence of an antioxidant-rich beetroot juice. Applied Physiology, Nutrition and Metabolism, 2018, 43, 303-306.	1.9	8
33	Biofortified and fortified maize consumption reduces prevalence of low milk retinol, but does not increase vitamin A stores of breastfeeding Zambian infants with adequate reserves: a randomized controlled trial. American Journal of Clinical Nutrition, 2021, 113, 1209-1220.	4.7	8
34	Uncertainties of assessing total body vitamin A stores in community settings in low-income countries using the stable-isotope dilution methodology. American Journal of Clinical Nutrition, 2015, 102, 520-521.	4.7	5
35	Overlapping Vitamin A Intervention Programs: Should We Be Concerned with Excessive Intakes?. Journal of Nutrition, 2020, 150, 2849-2851.	2.9	5
36	Reduced plasma carotenoids in individuals suffering from metabolic diseases with disturbances in lipid metabolism: a systematic review and meta-analysis of observational studies. International Journal of Food Sciences and Nutrition, 2021, 72, 879-891.	2.8	5

#	Article	IF	Citations
37	Determination of Vitamin A Total Body Stores in Children from Dried Serum Spots: Application in a Low- and Middle-Income Country Community Setting. Journal of Nutrition, 2021, 151, 1341-1346.	2.9	3
38	Host Factors That Affect Carotenoid Metabolism. , 2013, , 129-140.		3
39	Evidence to Underpin Vitamin A Requirements and Upper Limits in Children Aged 0 to 48 Months: A Scoping Review. Nutrients, 2022, 14, 407.	4.1	2
40	Use of stable isotopes to study bioconversion and bioefficacy of provitamin A carotenoids. Methods in Enzymology, 2022, , .	1.0	2
41	Gender differences in retinol metabolism are independent of Î²-carotene bioconversion. Proceedings of the Nutrition Society, 2013, 72, .	1.0	1
42	Updated Estimates of Vitamin a Total Body Stores in Healthy Young Adults Determined by Compartmental Modeling with Vitamin a Intake Added as Data (FS06-07-19). Current Developments in Nutrition, 2019, 3, nzz029.FS06-07-19.	0.3	1
43	Consequences ofÂCommonÂGenetic Variations onÂÎ²-Carotene Cleavage forÂVitamin A Supply. Oxidative Stress and Disease, 2013, , 383-396.	0.3	1
44	An LC-MS/MS method for stable isotope dilution studies of Î³-carotene bioefficacy and vitamin A status in humans. Proceedings of the Nutrition Society, 2013, 72, .	1.0	0
45	The Influence of Vitamin a on Molecular Bio-mineral Tissue Development in Pigs (P02-012-19). Current Developments in Nutrition, 2019, 3, nzz029.P02-012-19.	0.3	0
46	Response of Nutritional Biomarkers in Bangladeshi Subjects Given an Immunological Challenge (P10-096-19). Current Developments in Nutrition, 2019, 3, nzz034.P10-096-19.	0.3	0
47	The Effect of Chronic High Dose Vitamin a Supplementation on Lipid Metabolism in Adipose Tissue (P02-013-19). Current Developments in Nutrition, 2019, 3, nzz029.P02-013-19.	0.3	0