# Hans Demmelmair

List of Publications by Year
in descending order



| 69 | 4,432 | 126858 | 102432 |
|---|---|---|---|
| papers | citations | 33 h-index | 66 g-index |

| 69 | 69 | 69 | 5515 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Total Fatty Acid and Polar Lipid Species Composition of Human Milk. Nutrients, 2022, 14, 158. | 1.7 | 6 |
| 2 | Acute Metabolic Response in Adults to Toddler Milk Formulas with Alternating Higher and Lower Protein and Fat Contents, a Randomized Cross-Over Trial. Nutrients, 2021, 13, 3022. | 1.7 | 2 |
| 3 | Placental polar lipid composition is associated with placental gene expression and neonatal body composition. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158971. | 1.2 | 1 |
| 4 | Infant Metabolome in Relation to Prenatal DHA Supplementation and Maternal Single-Nucleotide Polymorphism rs174602: Secondary Analysis of a Randomized Controlled Trial in Mexico. Journal of Nutrition, 2021, 151, 3339-3349. | 1.3 | 3 |
| 5 | Long-Chain Polyunsaturated Fatty Acids, Homocysteine at Birth and Fatty Acid Desaturase Gene Cluster Polymorphisms Are Associated with Childrenâ€™s Processing Speed up to Age 9 Years. Nutrients, 2021, 13, 131. | 1.7 | 7 |
| 6 | Perinatal Polyunsaturated Fatty Acid Status and Obesity Risk. Nutrients, 2021, 13, 3882. | 1.7 | 4 |
| 7 | Detailed knowledge of maternal and infant factors and human milk composition could inform recommendations for optimal composition. Acta Paediatrica, International Journal of Paediatrics, 2021, , . | 0.7 | 2 |
| 8 | Should formula for infants provide arachidonic acid along with DHA? A position paper of the European Academy of Paediatrics and the Child Health Foundation. American Journal of Clinical Nutrition, 2020, 111, 10-16. | 2.2 | 88 |
| 9 | Impact of Treatment with RUTF on Plasma Lipid Profiles of Severely Malnourished Pakistani Children. Nutrients, 2020, 12, 2163. | 1.7 | 7 |
| 10 | Multiple Micronutrients, Lutein, and Docosahexaenoic Acid Supplementation during Lactation: A Randomized Controlled Trial. Nutrients, 2020, 12, 3849. | 1.7 | 11 |
| 11 | In vivo kinetic study of the materno-fetal fatty acid transfer in obese and normal weight pregnant women. Proceedings of the Nutrition Society, 2020, 79, . | 0.4 | 0 |
| 12 | Maternal and Perinatal Factors Associated with the Human Milk Microbiome. Current Developments in Nutrition, 2020, 4, nzaa027. | 0.1 | 51 |
| 13 | In vivo kinetic study of maternoâ€fetal fatty acid transfer in obese and normal weight pregnant women. Journal of Physiology, 2019, 597, 4959-4973. | 1.3 | 18 |
| 14 | Early nutrition in combination with polymorphisms in fatty acid desaturase gene cluster modulate fatty acid composition of cheek cellsâ€™ glycerophospholipids in school-age children. British Journal of Nutrition, 2019, 122, S68-S79. | 1.2 | 3 |
| 15 | FADS1 and FADS2 Polymorphisms Modulate Fatty Acid Metabolism and Dietary Impact on Health. Annual Review of Nutrition, 2019, 39, 21-44. | 4.3 | 72 |
| 16 | Variation and Interdependencies of Human Milk Macronutrients, Fatty Acids, Adiponectin, Insulin, and IGF-II in the European PreventCD Cohort. Nutrients, 2019, 11, 2034. | 1.7 | 20 |
| 17 | Phospholipids in lipoproteins: compositional differences across VLDL, LDL, and HDL in pregnant women. Lipids in Health and Disease, 2019, 18, 20. | 1.2 | 17 |
| 18 | Optimized protein intakes in term infants support physiological growth and promote long-term health. Seminars in Perinatology, 2019, 43, 151153. | 1.1 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Prolonged monitoring of postprandial lipid metabolism after a western meal rich in linoleic acid and carbohydrates. Applied Physiology, Nutrition and Metabolism, 2019, 44, 1189-1198. | 0.9 | 2 |
| 20 | The effect of Atlantic salmon consumption on the cognitive performance of preschool children â€“ A randomized controlled trial. Clinical Nutrition, 2019, 38, 2558-2568. | 2.3 | 14 |
| 21 | Maternal plasma n-3 and n-6 polyunsaturated fatty acids during pregnancy and features of fetal health: Fetal growth velocity, birth weight and duration of pregnancy. Clinical Nutrition, 2018, 37, 1367-1374. | 2.3 | 29 |
| 22 | The association of fatty acid desaturase gene polymorphisms on long-chain polyunsaturated fatty acid composition in Indonesian infants. American Journal of Clinical Nutrition, 2018, 108, 1135-1144. | 2.2 | 10 |
| 23 | Determinants of Plasma Docosahexaenoic Acid Levels and Their Relationship to Neurological and Cognitive Functions in PKU Patients: A Double Blind Randomized Supplementation Study. Nutrients, 2018, 10, 1944. | 1.7 | 12 |
| 24 | Association of infant formula composition and anthropometry at 4 years: Follow-up of a randomized controlled trial (BeMIM study). PLoS ONE, 2018, 13, e0199859. | 1.1 | 12 |
| 25 | Fatty fish intake and cognitive function: FINS-KIDS, a randomized controlled trial in preschool children. BMC Medicine, 2018, 16, 41. | 2.3 | 42 |
| 26 | The impact of human breast milk components on the infant metabolism. PLoS ONE, 2018, 13, e0197713. | 1.1 | 35 |
| 27 | Lipids in human milk. Best Practice and Research in Clinical Endocrinology and Metabolism, 2018, 32, 57-68. | 2.2 | 118 |
| 28 | Role of selected amino acids on plasma IGF-I concentration in infants. European Journal of Nutrition, 2017, 56, 613-620. | 1.8 | 23 |
| 29 | Study protocol to investigate the environmental and genetic aetiology of atopic dermatitis: the Indonesian Prospective Study of Atopic Dermatitis in Infants (ISADI). BMJ Open, 2017, 7, e012475. | 0.8 | 7 |
| 30 | Variation of Metabolite and Hormone Contents in Human Milk. Clinics in Perinatology, 2017, 44, 151-164. | 0.8 | 50 |
| 31 | Maternal BMI and gestational diabetes alter placental lipid transporters and fatty acid composition. Placenta, 2017, 57, 144-151. | 0.7 | 76 |
| 32 | Benefits of Lactoferrin, Osteopontin and Milk Fat Globule Membranes for Infants. Nutrients, 2017, 9, 817. | 1.7 | 109 |
| 33 | Maternal Pre-Pregnancy Obesity Is Associated with Altered Placental Transcriptome. PLoS ONE, 2017, 12, e0169223. | 1.1 | 57 |
| 34 | Contribution of glycerophospholipids and sphingomyelin to the circulating NEFA. Prostaglandins Leukotrienes and Essential Fatty Acids, 2016, 110, 55-61. | 1.0 | 2 |
| 35 | Maternal plasma nâ€3 and nâ€6 polyunsaturated fatty acid concentrations during pregnancy and subcutaneous fat mass in infancy. Obesity, 2016, 24, 1759-1766. | 1.5 | 7 |
| 36 | High protein intake in young children and increased weight gain and obesity risk. American Journal of Clinical Nutrition, 2016, 103, 303-304. | 2.2 | 68 |

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|---|---|---|---|
| 37 | Human lactation: oxidation and maternal transfer of dietary<sup>13</sup>C-labelledÎ±-linolenic acid into human milk. Isotopes in Environmental and Health Studies, 2016, 52, 270-280. | 0.5 | 21 |
| 38 | Maternal single nucleotide polymorphisms in the fatty acid desaturase 1 and 2 coding regions modify the impact of prenatal supplementation with DHA on birth weight. American Journal of Clinical Nutrition, 2016, 103, 1171-1178. | 2.2 | 36 |
| 39 | Maternal plasma PUFA concentrations during pregnancy and childhood adiposity: the Generation R Study. American Journal of Clinical Nutrition, 2016, 103, 1017-1025. | 2.2 | 79 |
| 40 | Phospholipid Species in Newborn and 4 Month Old Infants after Consumption of Different Formulas or Breast Milk. PLoS ONE, 2016, 11, e0162040. | 1.1 | 31 |
| 41 | Importance of Fatty Acids in the Perinatal Period. World Review of Nutrition and Dietetics, 2015, 112, 31-47. | 0.1 | 31 |
| 42 | Effects of obesity and gestational diabetes mellitus on placental phospholipids. Diabetes Research and Clinical Practice, 2015, 109, 364-371. | 1.1 | 39 |
| 43 | Dietary Protein Intake Affects Amino Acid and Acylcarnitine Metabolism in Infants Aged 6 Months. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 149-158. | 1.8 | 75 |
| 44 | Placental Fatty Acid Transfer: A Key Factor in Fetal Growth. Annals of Nutrition and Metabolism, 2014, 64, 247-253. | 1.0 | 71 |
| 45 | Age-dependent effects of cord blood long-chain PUFA composition on BMI during the first 10 years of life. British Journal of Nutrition, 2014, 111, 2024-2031. | 1.2 | 17 |
| 46 | Infant formula composition affects energetic efficiency for growth: The BeMIM study, a randomized controlled trial. Clinical Nutrition, 2014, 33, 588-595. | 2.3 | 59 |
| 47 | Excessive Weight Gain during Full Breast-Feeding. Annals of Nutrition and Metabolism, 2014, 64, 271-275. | 1.0 | 29 |
| 48 | Vitamin E Content and Estimated Need in German Infant and Follow-On Formulas With and Without Long-Chain Polyunsaturated Fatty Acids (LC-PUFA) Enrichment. Journal of Agricultural and Food Chemistry, 2014, 62, 10153-10161. | 2.4 | 14 |
| 49 | Nutrition and neurodevelopment in children: focus on NUTRIMENTHE project. European Journal of Nutrition, 2013, 52, 1825-1842. | 1.8 | 103 |
| 50 | Effects of fish oil supplementation on the fatty acid profile in erythrocyte membrane and plasma phospholipids of pregnant women and their offspring: a randomised controlled trial. British Journal of Nutrition, 2013, 109, 1647-1656. | 1.2 | 26 |
| 51 | Effect of Different Levels of Docosahexaenoic Acid Supply on Fatty Acid Status and Linoleic and Î±â€Linolenic Acid Conversion in Preterm Infants. Journal of Pediatric Gastroenterology and Nutrition, 2012, 54, 353-363. | 0.9 | 20 |
| 52 | Fatty Acid Status Determination by Cheek Cell Sampling Combined with Methanolâ€Based Ultrasound Extraction of Glycerophospholipids. Lipids, 2011, 46, 981-990. | 0.7 | 17 |
| 53 | Effect of fatty acid status in cord blood serum on children's behavioral difficulties at 10 y of age: results from the LISAplus Study. American Journal of Clinical Nutrition, 2011, 94, 1592-1599. | 2.2 | 51 |
| 54 | Milk protein intake, the metabolic-endocrine response, and growth in infancy: data from a randomized clinical trial. American Journal of Clinical Nutrition, 2011, 94, S1776-S1784. | 2.2 | 208 |

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|---|---|---|---|
| 55 | Fatty Acid Composition of Serum Glycerophospholipids in Children. Journal of Pediatrics, 2010, 157, 826-831.e1. | 0.9 | 19 |
| 56 | High-throughput analysis of fatty acid composition of plasma glycerophospholipids. Journal of Lipid Research, 2010, 51, 216-221. | 2.0 | 82 |
| 57 | Can infant feeding choices modulate later obesity risk?. American Journal of Clinical Nutrition, 2009, 89, 1502S-1508S. | 2.2 | 275 |
| 58 | Omegaâ€3 LCâ€PUFA Supply and Neurological Outcomes in Children With Phenylketonuria (PKU). Journal of Pediatric Gastroenterology and Nutrition, 2009, 48, S2-7. | 0.9 | 35 |
| 59 | Lower protein in infant formula is associated with lower weight up to age 2 y: a randomized clinical trial. American Journal of Clinical Nutrition, 2009, 89, 1836-1845. | 2.2 | 575 |
| 60 | Effects of fish-oil and folate supplementation of pregnant women on maternal and fetal plasma concentrations of docosahexaenoic acid and eicosapentaenoic acid: a European randomized multicenter trial. American Journal of Clinical Nutrition, 2007, 85, 1392-1400. | 2.2 | 182 |
| 61 | Effect of Fish Oil Supplementation on Fatty Acid Status, Coordination, and Fine Motor Skills in Children with Phenylketonuria. Journal of Pediatrics, 2007, 150, 479-484. | 0.9 | 72 |
| 62 | Common genetic variants of the FADS1 FADS2 gene cluster and their reconstructed haplotypes are associated with the fatty acid composition in phospholipids. Human Molecular Genetics, 2006, 15, 1745-1756. | 1.4 | 489 |
| 63 | Long-term consequences of early nutrition. Early Human Development, 2006, 82, 567-574. | 0.8 | 87 |
| 64 | Protein Intake in the First Year of Life: A Risk Factor for Later Obesity?. Advances in Experimental Medicine and Biology, 2005, 569, 69-79. | 0.8 | 114 |
| 65 | [13C]Linoleic acid oxidation and transfer into milk in stunted lactating women with contrasting body mass indexes. American Journal of Clinical Nutrition, 2001, 74, 827-832. | 2.2 | 11 |
| 66 | Contribution of dietary and newly formed arachidonic acid to human milk lipids in women eating a low-fat diet. American Journal of Clinical Nutrition, 2001, 74, 242-247. | 2.2 | 113 |
| 67 | Physiological aspects of human milk lipids. Early Human Development, 2001, 65, S3-S18. | 0.8 | 200 |
| 68 | Docosahexaenoic acid transfer into human milk after dietary supplementation: a randomized clinical trial. Journal of Lipid Research, 2000, 41, 1376-1383. | 2.0 | 148 |
| 69 | Metabolism of 13C-Labeled Linoleic Acid in Newborn Infants During the First Week of Life. Pediatric Research, 1999, 45, 669-673. | 1.1 | 80 |