

Helga Refsum

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

4,807
citations

136950

32
h-index

95266

68
g-index

72
all docs

72
docs citations

72
times ranked

6447
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Facts and Recommendations about Total Homocysteine Determinations: An Expert Opinion. <i>Clinical Chemistry</i> , 2004, 50, 3-32. | 3.2 | 913 |
| 2 | Homocysteine-Lowering by B Vitamins Slows the Rate of Accelerated Brain Atrophy in Mild Cognitive Impairment: A Randomized Controlled Trial. <i>PLoS ONE</i> , 2010, 5, e12244. | 2.5 | 612 |
| 3 | Mortality and Cardiovascular Events in Patients Treated With Homocysteine-Lowering B Vitamins After Coronary Angiography. <i>JAMA - Journal of the American Medical Association</i> , 2008, 300, 795. | 7.4 | 366 |
| 4 | Homocysteine, B Vitamins, and Cognitive Impairment. <i>Annual Review of Nutrition</i> , 2016, 36, 211-239. | 10.1 | 361 |
| 5 | Homocysteine and Dementia: An International Consensus Statement. <i>Journal of Alzheimer's Disease</i> , 2018, 62, 561-570. | 2.6 | 242 |
| 6 | Biomarkers of Nutrition for Development (BOND): Vitamin B-12 Review. <i>Journal of Nutrition</i> , 2018, 148, 1995S-2027S. | 2.9 | 166 |
| 7 | Brain atrophy in cognitively impaired elderly: the importance of long-chain ω -3 fatty acids and B vitamin status in a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2015, 102, 215-221. | 4.7 | 150 |
| 8 | Omega-3 Fatty Acid Status Enhances the Prevention of Cognitive Decline by Vitamins in Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2016, 50, 547-557. | 2.6 | 117 |
| 9 | Vitamin B12. <i>Advances in Food and Nutrition Research</i> , 2018, 83, 215-279. | 3.0 | 105 |
| 10 | Kynurenine Pathway Metabolites in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 495-504. | 2.6 | 99 |
| 11 | Cysteine and obesity. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2012, 15, 49-57. | 2.5 | 86 |
| 12 | Screening for Serum Total Homocysteine in Newborn Children. <i>Clinical Chemistry</i> , 2004, 50, 1769-1784. | 3.2 | 83 |
| 13 | Association of Vitamin B ₁₂ , Folate, and Sulfur Amino Acids With Brain Magnetic Resonance Imaging Measures in Older Adults. <i>JAMA Psychiatry</i> , 2016, 73, 606. | 11.0 | 78 |
| 14 | The vitamin D receptor gene is associated with Alzheimer's disease. <i>Neuroscience Letters</i> , 2011, 504, 79-82. | 2.1 | 76 |
| 15 | Holotranscobalamin and Total Transcobalamin in Human Plasma: Determination, Determinants, and Reference Values in Healthy Adults. <i>Clinical Chemistry</i> , 2006, 52, 129-137. | 3.2 | 71 |
| 16 | Maternal homocysteine in pregnancy and offspring birthweight: epidemiological associations and Mendelian randomization analysis. <i>International Journal of Epidemiology</i> , 2014, 43, 1487-1497. | 1.9 | 71 |
| 17 | The Association of Cysteine with Obesity, Inflammatory Cytokines and Insulin Resistance in Hispanic Children and Adolescents. <i>PLoS ONE</i> , 2012, 7, e44166. | 2.5 | 60 |
| 18 | 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. | 2.5 | 56 |

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|----|---|------|-----------|
| 19 | Amino acid changes during transition to a vegan diet supplemented with fish in healthy humans. <i>European Journal of Nutrition</i> , 2017, 56, 1953-1962. | 3.9 | 49 |
| 20 | 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. | 2.1 | 48 |
| 21 | Effects of dietary methionine and cysteine restriction on plasma biomarkers, serum fibroblast growth factor 21, and adipose tissue gene expression in women with overweight or obesity: a double-blind randomized controlled pilot study. <i>Journal of Translational Medicine</i> , 2020, 18, 122. | 4.4 | 48 |
| 22 | Plasma stearoyl-CoA desaturase indices: Association with lifestyle, diet, and body composition. <i>Obesity</i> , 2013, 21, E294-302. | 3.0 | 47 |
| 23 | Plasma free choline, betaine and cognitive performance: the Hordaland Health Study. <i>British Journal of Nutrition</i> , 2013, 109, 511-519. | 2.3 | 46 |
| 24 | The kynurenine pathway and cognitive performance in community-dwelling older adults. The Hordaland Health Study. <i>Brain, Behavior, and Immunity</i> , 2019, 75, 155-162. | 4.1 | 46 |
| 25 | Maternal Folate Intake during Pregnancy and Childhood Asthma in a Population-based Cohort. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 221-228. | 5.6 | 44 |
| 26 | Homocysteine Status Modifies the Treatment Effect of Omega-3 Fatty Acids on Cognition in a Randomized Clinical Trial in Mild to Moderate Alzheimer's Disease: The OmegaAD Study. <i>Journal of Alzheimer's Disease</i> , 2019, 69, 189-197. | 2.6 | 44 |
| 27 | Plasma Sulphur-Containing Amino Acids, Physical Exercise and Insulin Sensitivity in Overweight Dysglycemic and Normal Weight Normoglycemic Men. <i>Nutrients</i> , 2019, 11, 10. | 4.1 | 44 |
| 28 | Circulating amino acids are associated with bone mineral density decline and ten-year major osteoporotic fracture risk in older community-dwelling adults. <i>Bone</i> , 2019, 129, 115082. | 2.9 | 42 |
| 29 | Uptake and release of amino acids in the fetal-placental unit in human pregnancies. <i>PLoS ONE</i> , 2017, 12, e0185760. | 2.5 | 42 |
| 30 | Interactions between plasma concentrations of folate and markers of vitamin B ₁₂ status with cognitive performance in elderly people not exposed to folic acid fortification: the Hordaland Health Study. <i>British Journal of Nutrition</i> , 2014, 111, 1085-1095. | 2.3 | 41 |
| 31 | Combining Dietary Sulfur Amino Acid Restriction with Polyunsaturated Fatty Acid Intake in Humans: A Randomized Controlled Pilot Trial. <i>Nutrients</i> , 2018, 10, 1822. | 4.1 | 38 |
| 32 | Birth prevalence of homocystinuria. <i>Journal of Pediatrics</i> , 2004, 144, 830-832. | 1.8 | 37 |
| 33 | Association of Methionine to Homocysteine Status With Brain Magnetic Resonance Imaging Measures and Risk of Dementia. <i>JAMA Psychiatry</i> , 2019, 76, 1198. | 11.0 | 36 |
| 34 | Branched-chain amino acid metabolism, insulin sensitivity and liver fat response to exercise training in sedentary dysglycaemic and normoglycaemic men. <i>Diabetologia</i> , 2021, 64, 410-423. | 6.3 | 30 |
| 35 | Cobalamin and Folate Status in 6 to 35 Months Old Children Presenting with Acute Diarrhea in Bhaktapur, Nepal. <i>PLoS ONE</i> , 2014, 9, e90079. | 2.5 | 25 |
| 36 | The relation of CUN-BAE index and BMI with body fat, cardiovascular events and diabetes during a 6-year follow-up: the Hordaland Health Study. <i>Clinical Epidemiology</i> , 2017, Volume 9, 555-566. | 3.0 | 23 |

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|----|---|-----|-----------|
| 37 | Plasma amino acids, adiposity, and weight change after gastric bypass surgery: are amino acids associated with weight regain?. <i>European Journal of Nutrition</i> , 2018, 57, 2629-2637. | 3.9 | 21 |
| 38 | Glutathione Serum Levels and Rate of Multimorbidity Development in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1089-1094. | 3.6 | 20 |
| 39 | Paraoxonase 1, B Vitamins Supplementation, and Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2021, 81, 1211-1229. | 2.6 | 20 |
| 40 | Protein intake in the early recovery period after exhaustive exercise improves performance the following day. <i>Journal of Applied Physiology</i> , 2018, 125, 1731-1742. | 2.5 | 19 |
| 41 | Cysteine deprivation prevents induction of peroxisome proliferator-activated receptor gamma-2 and adipose differentiation of 3T3-L1 cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 623-635. | 2.4 | 18 |
| 42 | Circulating linoleic acid and alpha-linolenic acid and glucose metabolism: the Hoorn Study. <i>European Journal of Nutrition</i> , 2017, 56, 2171-2180. | 3.9 | 18 |
| 43 | Food Overconsumption in Healthy Adults Triggers Early and Sustained Increases in Serum Branched-Chain Amino Acids and Changes in Cysteine Linked to Fat Gain. <i>Journal of Nutrition</i> , 2018, 148, 1073-1080. | 2.9 | 18 |
| 44 | Homocysteine lowering, B vitamins, and cognitive aging. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 415-416. | 4.7 | 17 |
| 45 | Associations between plasma polyunsaturated fatty acids, plasma stearoyl-CoA desaturase indices and body fat. <i>Obesity</i> , 2013, 21, E512-9. | 3.0 | 15 |
| 46 | Exploring the Lean Phenotype of Glutathione-Depleted Mice: Thiol, Amino Acid and Fatty Acid Profiles. <i>PLoS ONE</i> , 2016, 11, e0163214. | 2.5 | 15 |
| 47 | Does Lifestyle Intervention After Gastric Bypass Surgery Prevent Weight Regain? A Randomized Clinical Trial. <i>Obesity Surgery</i> , 2019, 29, 3419-3431. | 2.1 | 14 |
| 48 | Association of Homocysteine, Methionine, and MTHFR 677C>T Polymorphism With Rate of Cardiovascular Multimorbidity Development in Older Adults in Sweden. <i>JAMA Network Open</i> , 2020, 3, e205316. | 5.9 | 14 |
| 49 | Decision on folic acid fortification in Europe must consider both risks and benefits. <i>BMJ, The</i> , 2016, 352, i734. | 6.0 | 12 |
| 50 | Cardiovascular disease risk associated with serum apolipoprotein B is modified by serum vitamin A. <i>Atherosclerosis</i> , 2017, 265, 325-330. | 0.8 | 12 |
| 51 | Sulfur amino acid restriction, energy metabolism and obesity: a study protocol of an 8-week randomized controlled dietary intervention with whole foods and amino acid supplements. <i>Journal of Translational Medicine</i> , 2021, 19, 153. | 4.4 | 12 |
| 52 | Creatinine, total cysteine and uric acid are associated with serum retinol in patients with cardiovascular disease. <i>European Journal of Nutrition</i> , 2020, 59, 2383-2393. | 3.9 | 10 |
| 53 | B Vitamins Prevent Iron-Associated Brain Atrophy and Domain-Specific Effects of Iron, Copper, Aluminum, and Silicon on Cognition in Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2021, 84, 1039-1055. | 2.6 | 10 |
| 54 | The association of serum sulfur amino acids and related metabolites with incident diabetes: a prospective cohort study. <i>European Journal of Nutrition</i> , 2022, 61, 3161-3173. | 3.9 | 10 |

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|----|--|------|-----------|
| 55 | The risk association of plasma total homocysteine with acute myocardial infarction is modified by serum vitamin A. <i>European Journal of Preventive Cardiology</i> , 2018, 25, 1612-1620. | 1.8 | 9 |
| 56 | Postprandial effects of a meal low in sulfur amino acids and high in polyunsaturated fatty acids compared to a meal high in sulfur amino acids and saturated fatty acids on stearoyl CoA-desaturase indices and plasma sulfur amino acids: a pilot study. <i>BMC Research Notes</i> , 2020, 13, 379. | 1.4 | 9 |
| 57 | Supplementation of vitamin B12 or folic acid on hemoglobin concentration in children 6â€“36 months of age: A randomized placebo controlled trial. <i>Clinical Nutrition</i> , 2017, 36, 986-991. | 5.0 | 8 |
| 58 | Exhaustive Exercise and Post-exercise Protein Plus Carbohydrate Supplementation Affect Plasma and Urine Concentrations of Sulfur Amino Acids, the Ratio of Methionine to Homocysteine and Glutathione in Elite Male Cyclists. <i>Frontiers in Physiology</i> , 2020, 11, 609335. | 2.8 | 8 |
| 59 | Effects of short-term methionine and cysteine restriction and enrichment with polyunsaturated fatty acids on oral glucose tolerance, plasma amino acids, fatty acids, lactate and pyruvate: results from a pilot study. <i>BMC Research Notes</i> , 2021, 14, 43. | 1.4 | 8 |
| 60 | Extracellular cystine influences human preadipocyte differentiation and correlates with fat mass in healthy adults. <i>Amino Acids</i> , 2021, 53, 1623-1634. | 2.7 | 8 |
| 61 | Body mass index determines the response of plasma sulfur amino acids to methionine loading. <i>Biochimie</i> , 2020, 173, 107-113. | 2.6 | 7 |
| 62 | Vitamin B12 concentrations in milk from Norwegian women during the six first months of lactation. <i>European Journal of Clinical Nutrition</i> , 2020, 74, 749-756. | 2.9 | 7 |
| 63 | Plasma Sulfur Amino Acids and Risk of Cerebrovascular Diseases. <i>Stroke</i> , 2021, 52, 172-180. | 2.0 | 5 |
| 64 | ï‰-3 fatty acids and their interactions. <i>American Journal of Clinical Nutrition</i> , 2021, 113, 775-778. | 4.7 | 5 |
| 65 | Elevated homocysteine and N-methyl-d-aspartate-receptor antibodies as a cause of behavioural and cognitive decline in 22q11.2 deletion syndrome. <i>Oxford Medical Case Reports</i> , 2017, 2017, omx076. | 0.4 | 4 |
| 66 | Circulating Polyunsaturated Fatty Acids as Biomarkers for Dietary Intake across Subgroups: The CODAM and Hoorn Studies. <i>Annals of Nutrition and Metabolism</i> , 2018, 72, 117-125. | 1.9 | 4 |
| 67 | The dihydrofolate reductase 19-bp deletion modifies the beneficial effect of B-vitamin therapy in mild cognitive impairment: pooled study of two randomized placebo-controlled trials. <i>Human Molecular Genetics</i> , 2022, 31, 1151-1158. | 2.9 | 4 |
| 68 | Folic Acid for the Prevention of Neural Tube Defects. <i>JAMA Pediatrics</i> , 2017, 171, 710. | 6.2 | 2 |
| 69 | Changes in plasma fatty acids and related biomarkers during transition to an exclusively plant- and fish-based diet in healthy adults. <i>Nutrition</i> , 2021, 90, 111306. | 2.4 | 2 |
| 70 | Evidence-based prevention and treatment of dementia. <i>Lancet Neurology</i> , The, 2016, 15, 1005-1006. | 10.2 | 0 |
| 71 | Dietary Supplements for Brain Health. <i>JAMA - Journal of the American Medical Association</i> , 2019, 321, 2467. | 7.4 | 0 |
| 72 | Omegaâ€“3 Fatty Acids Modify Treatment Effect of Highâ€“Dose B Vitamins in Cognitively Impaired Elderly. <i>FASEB Journal</i> , 2015, 29, 401.1. | 0.5 | 0 |