

Current and Relevant Publications on Vitamins, Carotenoids and Other Health Ingredients

Update March 2008

Diese Auswahl an Publikationen aus dem Bereich der Vitamine, Mineralstoffe und sekundären Pflanzenstoffe wird von der GVF getroffen und erhebt keinen Anspruch auf Vollständigkeit.

Antioxidants

[Relationship among nutritional status, pro/antioxidant balance and cognitive performance in a group of free-living healthy elderly.](#)

Rondanelli M, Trotti R, Opizzi A, Solerte SB.
Minerva Med. 2007 Dec;98(6):639-45.

[Biochemical effects of pretreatment with vitamins E and C in rats submitted to intrastriatal hypoxanthine administration.](#)

Bavaresco CS, Chiarani F, Kolling J, Netto CA, de Souza Wyse AT.
Neurochem Int. 2008 Jan 20; [Epub ahead of print]

[Role of oxidants and antioxidants in atherosclerosis: results of in vitro and in vivo investigations.](#)

Siekmeier R, Steffen C, März W.
J Cardiovasc Pharmacol Ther. 2007 Dec;12(4):265-82. Review.

[The effects of vitamin E and vitamin C supplementation on bioenergetics index.](#)

Jourkesh M, Ostojic SM, Azarbayjani MA.
Res Sports Med. 2007 Oct-Dec;15(4):249-56.

[Interaction between antioxidant vitamin supplementation and cigarette smoking during radiation therapy in relation to long-term effects on recurrence and mortality: a randomized trial among head and neck cancer patients.](#)

Meyer F, Bairati I, Fortin A, Gélinas M, Nabid A, Brochet F, Têtu B.
Int J Cancer. 2008 Apr 1;122(7):1679-83.

[Natural antioxidants in Alzheimer's disease.](#)

Mancuso C, Bates TE, Butterfield DA, Calafato S, Cornelius C, De Lorenzo A, Dinkova Kostova AT, Calabrese V.
Expert Opin Investig Drugs. 2007 Dec;16(12):1921-31. Review.

[Arsenic induced oxidative stress and the role of antioxidant supplementation during chelation: a review.](#)

Flora SJ, Bhadauria S, Kannan GM, Singh N.
J Environ Biol. 2007 Apr;28(2 Suppl):333-47. Review.

[Supplementation with antioxidants and folic acid for children with Down's syndrome: randomised controlled trial.](#)

Ellis JM, Tan HK, Gilbert RE, Muller DP, Henley W, Moy R, Pumphrey R, Ani C, Davies S, Edwards V, Green H, Salt A, Logan S.
BMJ. 2008 Mar 15;336(7644):594-7. Epub 2008 Feb 21.

[Oxidative stress tests: overview on reliability and use. Part II.](#)

Palmieri B, Sblendorio V.
Eur Rev Med Pharmacol Sci. 2007 Nov-Dec;11(6):383-99.

[Oxidative stress in benign prostate hyperplasia.](#)

Aryal M, Pandeya A, Gautam N, Baral N, Lamsal M, Majhi S, Chandra L, Pandit R, Das BK.
Nepal Med Coll J. 2007 Dec;9(4):222-4.

[High altitude induced anorexia: effect of changes in leptin and oxidative stress levels.](#)

Vats P, Singh VK, Singh SN, Singh SB.
Nutr Neurosci. 2007 Oct-Dec;10(5-6):243-9.

[Gender comparisons of exercise-induced oxidative stress: influence of antioxidant supplementation.](#)

Goldfarb AH, McKenzie MJ, Bloomer RJ.
Appl Physiol Nutr Metab. 2007 Dec;32(6):1124-31.

[Intake of antioxidant nutrients and the risk of skin cancer.](#)

Heinen MM, Hughes MC, Ibiebele TI, Marks GC, Green AC, van der Pols JC.
Eur J Cancer. 2007 Dec;43(18):2707-16. Epub 2007 Nov 7.

[Targeting Reactive Oxygen Species in Hypertension.](#)

Delles C, Miller WH, Dominiczak AF.
Antioxid Redox Signal. 2008 Mar 5; [Epub ahead of print]

[Antioxidant activity of blood serum and saliva in patients with periodontal disease treated due to epilepsy.](#)

Sobaniec H, Sobaniec W, Sendrowski K, Sobaniec S, Pietruska M.
Adv Med Sci. 2007;52 Suppl 204-6.

[Antioxidant vitamin supplement use and risk of dementia or Alzheimer's disease in older adults.](#)

Gray SL, Anderson ML, Crane PK, Breitner JC, McCormick W, Bowen JD, Teri L, Larson E.
J Am Geriatr Soc. 2008 Feb;56(2):291-5. Epub 2007 Nov 27.

[Evidence supporting antioxidant action of adipose-derived stem cells: protection of human dermal fibroblasts from oxidative stress.](#)

Kim WS, Park BS, Kim HK, Park JS, Kim KJ, Choi JS, Chung SJ, Kim DD, Sung JH.

J Dermatol Sci. 2008 Feb;49(2):133-42. Epub 2007 Sep 17.

[Effect of low-fat, fermented milk enriched with plant sterols on serum lipid profile and oxidative stress in moderate hypercholesterolemia.](#)

Hansel B, Nicolle C, Lalanne F, Tondu F, Lassel T, Donazzolo Y, Ferrières J, Krempf M, Schlienger JL, Verges B, Chapman MJ, Bruckert E.

Am J Clin Nutr. 2007 Sep;86(3):790-6.

Vitamin A

[Interactions of vitamin A and iodine deficiencies: effects on the pituitary-thyroid axis.](#)

Zimmermann MB.

Int J Vitam Nutr Res. 2007 May;77(3):236-40. Review.

[Major reduction of malaria morbidity with combined vitamin A and zinc supplementation in young children in Burkina Faso: a randomized double blind trial.](#)

Zeba AN, Sorgho H, Rouamba N, Zongo I, Rouamba J, Guiguemdé RT, Hamer DH, Mokhtar N, Ouedraogo JB.

Nutr J. 2008 Jan 31;7.

[\[Is it justifiable to administrate vitamin A, E and D for 6 months in the premature infants?\]](#)

Salle BL, Delvin E, Claris O, Hascoet JM, Levy E.

Arch Pediatr. 2007 Dec;14(12):1408-12. Epub 2007 Oct 25. French.

B-Vitamins

[Homocysteine, folate, and vitamins B6 and B12 blood levels in relation to cognitive performance: the Maine-Syracuse study.](#)

Elias MF, Robbins MA, Budge MM, Elias PK, Brennan SL, Johnston C, Nagy Z, Bates CJ.

Psychosom Med. 2006 Jul-Aug;68(4):547-54.

[\[Measurement of methylmalonic acid, homocysteine and methionine in cobalamin and folate deficiencies and homocysteinuria\]](#)

Ueland PM, Schneede J.

Tidsskr Nor Laegeforen. 2008 Mar 13;128(6):690-3. Review. Norwegian.

[Homocysteine concentration, related B vitamins, and betaine in pregnant women recruited to the Seychelles Child Development Study.](#)

Wallace JM, Bonham MP, Strain J, Duffy EM, Robson PJ, Ward M, McNulty H, Davidson PW, Myers GJ, Shamlaye CF, Clarkson TW, Molloy AM, Scott JM, Ueland PM.

Am J Clin Nutr. 2008 Feb;87(2):391-7.

[NAD+ and vitamin B from metabolism to therapies.](#)

Sauve AA.

J Pharmacol Exp Ther. 2008 Mar;324(3):883-93. Epub 2007 Dec 28. Review.

[Lowering plasma homocysteine concentrations of older men and women with folate, vitamin B-12, and vitamin B-6 does not affect the proportion of \(n-3\) long chain polyunsaturated fatty acids in plasma phosphatidylcholine.](#)

Crowe FL, Skeaff CM, McMahon JA, Williams SM, Green TJ.

J Nutr. 2008 Mar;138(3):551-5.

[Treatment of hyperhomocysteinemia and endothelial dysfunction in renal transplant recipients with B vitamins in the Chinese population.](#)

Xu T, Zhang XW, Qu XK, Ye HY, Huang XB, Zhang XP, Hou SK, Wang XF.

J Urol. 2008 Mar;179(3):1190-4.

[\[Vitamin B complex and homocysteine in chronic renal failure\]](#)

Sánchez C, Planells E, Aranda P, de la Cruz AP, Asensio C, Mataix J, Llopis J. Nutr Hosp. 2007 Nov-Dec;22(6):661-71. Review. Spanish.

[Relation of folates, vitamin B12 and homocysteine to vertebral bone mineral density change in postmenopausal women. A five-year longitudinal evaluation.](#)

Cagnacci A, Bagni B, Zini A, Cannoletta M, Generali M, Volpe A.

Bone. 2008 Feb;42(2):314-20. Epub 2007 Nov 12.

[Should hyperhomocysteinemia be treated in patients with atherosclerotic disease?](#)

Maron BA, Loscalzo J.

Curr Atheroscler Rep. 2007 Nov;9(5):375-83.

[Homocysteine levels in epileptic children receiving antiepileptic drugs.](#)

Kurul S, Unalp A, Yiş U.

J Child Neurol. 2007 Dec;22(12):1389-92.

[Nutrients involved in one-carbon metabolism and risk of breast cancer among premenopausal women.](#)

Cho E, Holmes M, Hankinson SE, Willett WC.

Cancer Epidemiol Biomarkers Prev. 2007 Dec;16(12):2787-90.

[Low dietary riboflavin but not folate predicts increased fracture risk in postmenopausal women homozygous for the MTHFR 677 T allele.](#)

Yazdanpanah N, Uitterlinden AG, Zillikens MC, Jhamai M, Rivadeneira F, Hofman A, de Jonge R, Lindemans J, Pols HA, van Meurs JB.
J Bone Miner Res. 2008 Jan;23(1):86-94.

Vitamin B₁₂

[\[Floppy baby with macrocytic anemia and vegan mother\]](#)

Schlapbach LJ, Schütz B, Nuoffer JM, Brekenfeld C, Müller G, Fluri S.
Schweiz Rundsch Med Prax. 2007 Aug 29;96(35):1309-14. German.

[Effects of cyanocobalamin on immunity in patients with pernicious anemia.](#)

Erkurt MA, Aydogdu I, Dikilitaş M, Kuku I, Kaya E, Bayraktar N, Ozhan O, Ozkan I, Sonmez A.
Med Princ Pract. 2008;17(2):131-5. Epub 2008 Feb 19.

[Plasma vitamin B12 concentrations and the risk of colorectal cancer: a nested case-referent study.](#)

Dahlin AM, Van Guelpen B, Hultdin J, Johansson I, Hallmans G, Palmqvist R.
Int J Cancer. 2008 May 1;122(9):2057-61.

[Vitamin B12 sources and bioavailability.](#)

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Exp Biol Med (Maywood). 2007 Nov;232(10):1266-74. Review.

Vitamin B₆

[Acupressure and vitamin B6 to relieve nausea and vomiting in pregnancy: a randomized study.](#)

Jamigorn M, Phupong V.
Arch Gynecol Obstet. 2007 Sep;276(3):245-9. Epub 2007 Feb 21.

Folic acid

[Effects of folic acid and N-acetylcysteine on plasma homocysteine levels and endothelial function in patients with coronary artery disease.](#)

Yilmaz H, Sahin S, Sayar N, Tangurek B, Yilmaz M, Nurkalem Z, Onturk E, Cakmak N, Bolca O.
Acta Cardiol. 2007 Dec;62(6):579-85.

[Contribution of methylenetetrahydrofolate reductase \(MTHFR\) polymorphisms to negative symptoms in schizophrenia.](#)

Roffman JL, Weiss AP, Purcell S, Caffalette CA, Freudenreich O, Henderson DC, Bottiglieri T, Wong DH, Halsted CH, Goff DC.
Biol Psychiatry. 2008 Jan 1;63(1):42-8. Epub 2007 Jun 1.

[\[Fortification of food with folic acid diminishes the number of neural tube defects\]](#)

Brouwer IA.

Ned Tijdschr Geneesk. 2008 Jan 26;152(4):185-6. Dutch.

[Folic acid metabolism and malaria.](#)

Metz J.

Food Nutr Bull. 2007 Dec;28(4 Suppl):S540-9. Review.

[Meta- and pooled analyses of the methylenetetrahydrofolate reductase C677T and A1298C polymorphisms and gastric cancer risk: a huge-GSEC review.](#)

Boccia S, Hung R, Ricciardi G, Gianfagna F, Ebert MP, Fang JY, Gao CM, Götze T, Graziano F, Lacasaña-Navarro M, Lin D, López-Carrillo L, Qiao YL, Shen H, Stolzenberg-Solomon R, Takezaki T, Weng YR, Zhang FF, van Duyn CM, Boffetta P, Taioli E.

Am J Epidemiol. 2008 Mar 1;167(5):505-16. Epub 2007 Dec 27.

[The association between mother and child MTHFR C677T polymorphisms, dietary folate intake and childhood atopy in a population-based, longitudinal birth cohort.](#)

Granell R, Heron J, Lewis S, Smith GD, Sterne JA, Henderson J.

Clin Exp Allergy. 2008 Feb;38(2):320-8. Epub 2007 Dec 7.

[The 677 C/T MTHFR polymorphism is associated with essential hypertension, coronary artery disease, and higher homocysteine levels.](#)

Ilhan N, Kucukusu M, Kaman D, Ilhan N, Ozbay Y.

Arch Med Res. 2008 Jan;39(1):125-30. Epub 2007 Oct 15.

[Genetic polymorphisms involved in folate metabolism and elevated plasma concentrations of homocysteine: maternal risk factors for Down syndrome in Brazil.](#)

Biselli JM, Goloni-Bertollo EM, Zampieri BL, Haddad R, Eberlin MN, Pavarino-Bertelli EC.

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[Folic acid and polyunsaturated fatty acids improve cognitive function and prevent depression, dementia, and Alzheimer's disease--but how and why?](#)

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[Fortification of selected foodstuffs with folic acid in the UK: consumer research carried out to inform policy recommendations.](#)

Tedstone A, Browne M, Harrop L, Vernon C, Page V, Swindells J, Hayward W, Croft J, Harris F, Stockley L.

J Public Health (Oxf). 2008 Mar;30(1):23-9. Epub 2007 Nov 14.

[Folate status and mood: is there a relationship?](#)

Williams E, Stewart-Knox B, McConville C, Bradbury I, Armstrong NC, McNulty H.
Public Health Nutr. 2008 Feb;11(2):118-23. Epub 2007 Jun 13.

[Folate and one-carbon metabolism gene polymorphisms and their associations with oral facial clefts.](#)

Boyles AL, Wilcox AJ, Taylor JA, Meyer K, Fredriksen A, Ueland PM, Drevon CA, Vollset SE, Lie RT.
Am J Med Genet A. 2008 Feb 15;146(4):440-9.

[Folate receptor autoantibodies and spinal fluid 5-methyltetrahydrofolate deficiency in Rett syndrome.](#)

Ramaekers VT, Sequeira JM, Artuch R, Blau N, Temudo T, Ormazabal A, Pineda M, Aracil A, Roelens F, Laccone F, Quadros EV.
Neuropediatrics. 2007 Aug;38(4):179-83.

[Polymorphisms in the methylenetetrahydrofolate reductase \(MTHFR\) gene, intakes of folate and related B vitamins and colorectal cancer: a case-control study in a population with relatively low folate intake.](#)

Sharp L, Little J, Brockton NT, Cotton SC, Masson LF, Haites NE, Cassidy J.
Br J Nutr. 2008 Feb;99(2):379-89. Epub 2007 Dec 6.

[Folate and colo-rectal cancer risk.](#)

Sanderson P, Stone E, Kim YI, Mathers JC, Kampman E, Downes CS, Muir KR, Baron JA.
Br J Nutr. 2007 Dec;98(6):1299-304. Epub 2007 Sep 3.

[Improvement of endothelial function in uraemic patients on peritoneal dialysis: a possible role for 5-MTHF administration.](#)

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[Fortification of eggs with folic acid as a possible contribution to enhance the folic acid status of populations.](#)

Roth-Maier DA, Böhmer BM.
Int J Vitam Nutr Res. 2007 Jul;77(4):297-301.

[Folate metabolism genes, vegetable intake and renal cancer risk in central Europe.](#)

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[Plasma folate concentration and cognitive performance: Rotterdam Scan Study.](#)

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[Trends in blood folate and vitamin B-12 concentrations in the United States, 1988 2004.](#)

Pfeiffer CM, Johnson CL, Jain RB, Yetley EA, Picciano MF, Rader JI, Fisher KD, Mulinare J, Osterloh JD.
Am J Clin Nutr. 2007 Sep;86(3):718-27.

[Folic acid improves vascular reactivity in humans: a meta-analysis of randomized controlled trials.](#)

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Niacin

[Nicotinic acid: pharmacological effects and mechanisms of action.](#)

Gille A, Bodor ET, Ahmed K, Offermanns S.
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[Effect of nicotinamide administration on the tryptophan-nicotinamide pathway in humans.](#)

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[Nicotinic acid in the treatment of hyperlipidaemia.](#)

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[Niacin restriction upregulates NADPH oxidase and reactive oxygen species \(ROS\) in human keratinocytes.](#)

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[Prolonged-release nicotinic acid for the management of dyslipidemia: an update including results from the NAUTILUS study.](#)

Vogt A, Kassner U, Hostalek U, Steinhagen-Thiessen E.
Vasc Health Risk Manag. 2007;3(4):467-79. Review.

Vitamin C

[Oral administration of vitamin C decreases muscle mitochondrial biogenesis and hampers training-induced adaptations in endurance performance.](#)

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[Plasma vitamin C concentrations predict risk of incident stroke over 10 y in 20 649 participants of the European Prospective Investigation into Cancer Norfolk prospective population study.](#)

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[Amelioration of arsenic toxicity by L-Ascorbic acid in laboratory rat.](#)

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[Ascorbic acid transported by sodium-dependent vitamin C transporter 2 stimulates steroidogenesis in human choriocarcinoma cells.](#)

Wu X, Iguchi T, Itoh N, Okamoto K, Takagi T, Tanaka K, Nakanishi T.

Endocrinology. 2008 Jan;149(1):73-83. Epub 2007 Sep 27.

[Ascorbic acid decreases the binding affinity of the AT1 receptor for angiotensin II.](#)

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[L-ascorbic acid enhances apoptosis in human gastric carcinoma cell line AZ-521 cells infected with Mycoplasma hyorhinitis.](#)

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Vitamin D

[Serum concentration of biochemical bone turnover markers in vegetarian children.](#)

Ambroszkiewicz J, Klemarczyk W, Gajewska J, Chęłchowska M, Laskowska-Klita T.

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[Evaluation of bone and mineral disorders.](#)

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[Distribution and correlates of serum 25-hydroxyvitamin D levels in a sample of patients with hip fracture.](#)

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[Subclinical hypovitaminosis D among exclusively breastfed young infants.](#)

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[Optimal vitamin D status attenuates the age-associated increase in systolic blood pressure in white Americans: results from the third National Health and Nutrition Examination Survey.](#)

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Am J Clin Nutr. 2008 Jan;87(1):136-41.

[Association of serum vitamin D levels with inflammatory response following hip fracture: the Baltimore Hip Studies.](#)

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[Vitamin D and cancer.](#)

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[Vitamin D status in kidney transplant patients: need for intensified routine supplementation.](#)

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[Low serum vitamin D levels and tuberculosis: a systematic review and meta-analysis.](#)

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[Relationships of low serum vitamin D3 with anthropometry and markers of the metabolic syndrome and diabetes in overweight and obesity.](#)

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[Hypovitaminosis D in obese children and adolescents: relationship with adiposity, insulin sensitivity, ethnicity, and season.](#)

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[Effects of parathyroidectomy on bone remodeling markers and vitamin D status in patients with chronic kidney disease-mineral and bone disorder.](#)

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[Correlation between vitamin D3 deficiency and insulin resistance in pregnancy.](#)

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[Maternal vitamin D status during pregnancy and child outcomes.](#)

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[25-hydroxyvitamin D, IGF-1, and metabolic syndrome at 45 years of age: a cross-sectional study in the 1958 British Birth Cohort.](#)

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[Vitamin D deficiency as a risk factor for osteoporotic fractures.](#)

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[Vitamin D and secondary hyperparathyroidism in the institutionalized elderly: a literature review.](#)

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[Vitamin D status in United States war veterans.](#)

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[Cholecalciferol \(vitamin D3\) therapy and vitamin D insufficiency in patients with chronic kidney disease: a randomized controlled pilot study.](#)

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[High-dose vitamin D supplementation in children with cerebral palsy or neuromuscular disorder.](#)

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[Does a high UV environment ensure adequate vitamin D status?](#)

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[Low vitamin D status: time to recognize and correct a Wisconsin epidemic.](#)

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