# BegoÃ±a Olmedilla-Alonso

List of Publications by Year
in descending order



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|---|---|---|---|
| 109 papers | 6,252 citations | 81743 39 h-index | 71532 76 g-index |
| 117 all docs | 117 docs citations | 117 times ranked | 6198 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A comprehensive review on carotenoids in foods and feeds: status quo, applications, patents, and research needs. Critical Reviews in Food Science and Nutrition, 2022, 62, 1999-2049. | 5.4 | 132 |
| 2 | Greater bioavailability of xanthophylls compared to carotenes from orange juice (high-pressure) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70 crossover study in healthy individuals. Food Chemistry, 2022, 371, 130821. | 4.2 | 9 |
| 3 | Status and Dietary Intake of Phytoene and Phytofluene in Spanish Adults and the Effect of a Four-Week Dietary Intervention with Lutein-Rich Fruits or Vegetables. Nutrients, 2022, 14, 2922. | 1.7 | 3 |
| 4 | From carotenoid intake to carotenoid blood and tissue concentrations â€“ implications for dietary intake recommendations. Nutrition Reviews, 2021, 79, 544-573. | 2.6 | 113 |
| 5 | An engineered extraplastidial pathway for carotenoid biofortification of leaves. Plant Biotechnology Journal, 2021, 19, 1008-1021. | 4.1 | 23 |
| 6 | A Randomized Study of Nutritional Supplementation in Patients with Unilateral Wet Age-Related Macular Degeneration. Nutrients, 2021, 13, 1253. | 1.7 | 20 |
| 7 | European Database of Carotenoid Levels in Foods. Factors Affecting Carotenoid Content. Foods, 2021, 10, 912. | 1.9 | 30 |
| 8 | Predictors of macular pigment and contrast threshold in Spanish healthy normolipemic subjects (45â€“65 years) with habitual food intake. PLoS ONE, 2021, 16, e0251324. | 1.1 | 2 |
| 9 | Evaluation of the potential of total proanthocyanidin content in feces as an intake biomarker. Food Research International, 2021, 145, 110390. | 2.9 | 4 |
| 10 | Changes in Lutein Status Markers (Serum and Faecal Concentrations, Macular Pigment) in Response to a Lutein-Rich Fruit or Vegetable (Three Pieces/Day) Dietary Intervention in Normolipemic Subjects. Nutrients, 2021, 13, 3614. | 1.7 | 7 |
| 11 | Assessment of Food Sources and the Intake of the Colourless Carotenoids Phytoene and Phytofluene in Spain. Nutrients, 2021, 13, 4436. | 1.7 | 15 |
| 12 | Dietary Î²-Cryptoxanthin and Î±-Carotene Have Greater Apparent Bioavailability Than Î²-Carotene in Subjects from Countries with Different Dietary Patterns. Nutrients, 2020, 12, 2639. | 1.7 | 15 |
| 13 | Assessment of carotenoid concentrations in red peppers (Capsicum annuum) under domestic refrigeration for three weeks as determined by HPLC-DAD. Food Chemistry: X, 2020, 6, 100092. | 1.8 | 22 |
| 14 | Extraction and Analysis by HPLC-DAD of Carotenoids in Human Faeces from Spanish Adults. Antioxidants, 2020, 9, 484. | 2.2 | 7 |
| 15 | Intervention Studies in Humans. Methods in Molecular Biology, 2020, 2083, 363-373. | 0.4 | 1 |
| 16 | Lack of a Synergistic Effect on Cardiometabolic and Redox Markers in a Dietary Supplementation with Anthocyanins and Xanthophylls in Postmenopausal Women. Nutrients, 2019, 11, 1533. | 1.7 | 12 |
| 17 | Coagulation, Thrombogenesis, and Insulin Resistance Markers in Increased-Cardiovascular-Risk Subjects Consuming Improved-Fat Meat Products. Journal of the American College of Nutrition, 2019, 38, 334-341. | 1.1 | 2 |
| 18 | Fruit and Vegetable Intake and the Macular Pigment Optical Density. , 2019, , 529-549. | | 0 |

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|---|---|---|---|
| 19 | Effects of eweâ€™s milk yogurt (whole and semi-skimmed) and cowâ€™s milk yogurt on inflammation markers and gut microbiota of subjects with borderline-high plasma cholesterol levels: a crossover study. European Journal of Nutrition, 2019, 58, 1113-1124. | 1.8 | 14 |
| 20 | CHAPTER 12. Dietary Intake of Carotenoids: Nutritional Status Assessment and the Importance of Considering Free and Ester Forms in Foods. Food Chemistry, Function and Analysis, 2019, , 373-389. | 0.1 | 1 |
| 21 | A global perspective on carotenoids: Metabolism, biotechnology, and benefits for nutrition and health. Progress in Lipid Research, 2018, 70, 62-93. | 5.3 | 634 |
| 22 | Comprehensive Database of Carotenoid Contents in Ibero-American Foods. A Valuable Tool in the Context of Functional Foods and the Establishment of Recommended Intakes of Bioactives. Journal of Agricultural and Food Chemistry, 2018, 66, 5055-5107. | 2.4 | 76 |
| 23 | Effect of Long-Term Xanthophyll and Anthocyanin Supplementation on Lutein and Zeaxanthin Serum Concentrations and Macular Pigment Optical Density in Postmenopausal Women. Nutrients, 2018, 10, 959. | 1.7 | 12 |
| 24 | Effect of eweâ€™s (semi-skimmed and whole) and cowâ€™s milk yogurt consumption on the lipid profile of control subjects: a crossover study. Food and Nutrition Research, 2017, 61, 1391669. | 1.2 | 6 |
| 25 | Assessment of individual carotenoid and vitamin A dietary intake in overweight and obese Dominican subjects. Nutricion Hospitalaria, 2017, 34, 407. | 0.2 | 11 |
| 26 | Effects of improved fat meat products consumption on emergent cardiovascular disease markers of male volunteers at cardiovascular risk. Journal of Physiology and Biochemistry, 2016, 72, 669-678. | 1.3 | 6 |
| 27 | Assessment of lutein and zeaxanthin status and dietary markers as predictors of the contrast threshold in 2 age groups of men and women. Nutrition Research, 2016, 36, 719-730. | 1.3 | 3 |
| 28 | In vitro and in vivo effects of lutein against cisplatin-induced ototoxicity. Experimental and Toxicologic Pathology, 2016, 68, 197-204. | 2.1 | 15 |
| 29 | Assessment of dietary lutein, zeaxanthin and lycopene intakes and sources in the Spanish survey of dietary intake (2009â€“2010). International Journal of Food Sciences and Nutrition, 2016, 67, 305-313. | 1.3 | 31 |
| 30 | Anthocyanin profile of red fruits and black carrot juices, purees and concentrates by HPLCâ€ĐADâ€ESI/MSâ€QTOF. International Journal of Food Science and Technology, 2016, 51, 2290-2300. | 1.3 | 24 |
| 31 | Lutein and zeaxanthin supplied by red/orange foods and fruits are more closely associated with macular pigment optical density than those from green vegetables in Spanish subjects. Nutrition Research, 2016, 36, 1210-1221. | 1.3 | 13 |
| 32 | Fruits and vegetables in the Brazilian Household Budget Survey (2008â€“2009): carotenoid content and assessment of individual carotenoid intake. Journal of Food Composition and Analysis, 2016, 50, 88-96. | 1.9 | 33 |
| 33 | Effect of pre-treatment on physicochemical and structural properties, and the bioaccessibility of Î²-carotene in sweet potato flour. Food Chemistry, 2016, 200, 199-205. | 4.2 | 52 |
| 34 | Bioaccessibility of provitamin A carotenoids from fruits: application of a standardised static in vitro digestion method. Food and Function, 2016, 7, 1354-1366. | 2.1 | 53 |
| 35 | Assessment of dietary vitamin A intake (retinol,Î±-carotene,Î²-carotene,Î²-cryptoxanthin) and its sources in the National Survey of Dietary Intake in Spain (2009â€“2010). International Journal of Food Sciences and Nutrition, 2015, 66, 706-712. | 1.3 | 42 |
| 36 | Effects of industrial canning on the proximate composition, bioactive compounds contents and nutritional profile of two Spanish common dry beans (Phaseolus vulgaris L.). Food Chemistry, 2015, 166, 68-75. | 4.2 | 58 |

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|---|---|---|---|
| 37 | IMPACT OF IMPROVED FAT-MEAT PRODUCTS CONSUMPTION ON ANTHROPOMETRIC MARKERS AND NUTRIENT INTAKES OF MALE VOLUNTEERS AT INCREASED CARDIOVASCULAR RISK. Nutricion Hospitalaria, 2015, 32, 710-21. | 0.2 | 4 |
| 38 | Effects of improved fat content of frankfurters and pÃ¢tÃ©s on lipid and lipoprotein profile of volunteers at increased cardiovascular risk: a placebo-controlled study. European Journal of Nutrition, 2014, 53, 83-93. | 1.8 | 15 |
| 39 | Markers of lutein and zeaxanthin status in two age groups of men and women: dietary intake, serum concentrations, lipid profile and macular pigment optical density. Nutrition Journal, 2014, 13, 52. | 1.5 | 44 |
| 40 | Omega-3 enriched frankfurters and pÃ¢tÃ©s intake decrease txa2 level and n-6/n-3 in volunteers at increased cardiovascular risk: a placebo-controlled study. Atherosclerosis, 2014, 235, e146-e147. | 0.4 | 0 |
| 41 | Development and assessment of healthy properties of meat and meat products designed as functional foods. Meat Science, 2013, 95, 919-930. | 2.7 | 179 |
| 42 | Composition of two Spanish common dry beans (Phaseolus vulgaris), â€˜Almongaâ€™ and â€˜Curruquillaâ€™, and their postprandial effect in type 2 diabetics. Journal of the Science of Food and Agriculture, 2013, 93, 1076-1082. | 1.7 | 42 |
| 43 | Carotenoid content of wild edible young shoots traditionally consumed in Spain (Asparagus) Tj ETQq1 1 0.784314 rgBT /Overlock | 1.7 | 30 |
| 44 | Software application for the calculation of dietary intake of individual carotenoids and of its contribution to vitamin A intake. Nutricion Hospitalaria, 2013, 28, 823-9. | 0.2 | 15 |
| 45 | The Antioxidant Status Response to Low-Fat and Walnut Pasteâ€“Enriched Meat Differs in Volunteers at High Cardiovascular Risk Carrying Different PON-1 Polymorphisms. Journal of the American College of Nutrition, 2012, 31, 194-205. | 1.1 | 20 |
| 46 | Lutein bioavailability from lutein ester-fortified fermented milk: in vivo and in vitro studyâ˜†â˜†â˜†. Journal of Nutritional Biochemistry, 2010, 21, 133-139. | 1.9 | 40 |
| 47 | Design and development of meat-based functional foods with walnut: Technological, nutritional and health impact. Food Chemistry, 2010, 123, 959-967. | 4.2 | 64 |
| 48 | Bioavailability of carotenoids and Î±-tocopherol from fruit juices in the presence of absorption modifiers:in vitroandin vivoassessment. British Journal of Nutrition, 2009, 101, 576-582. | 1.2 | 32 |
| 49 | Carotenoids: Actual knowledge on food sources, intakes, stability and bioavailability and their protective role in humans. Molecular Nutrition and Food Research, 2009, 53, S194-218. | 1.5 | 575 |
| 50 | Hypocarotenemia After Bariatric Surgery: A Preliminary Study. Obesity Surgery, 2009, 19, 879-882. | 1.1 | 12 |
| 51 | Applicability of an in vitro model to assess the bioaccessibility of vitamins A and E from fortified commercial milk. International Dairy Journal, 2009, 19, 64-67. | 1.5 | 22 |
| 52 | Seasonal variation of serum Î±- and Î²-cryptoxanthin and 25-OH-vitamin D3 in women with osteoporosis. Osteoporosis International, 2008, 19, 717-720. | 1.3 | 11 |
| 53 | Suitability of 3-point versus 7-point postprandial retinyl palmitate AUC in human bioavailability studies. European Journal of Nutrition, 2008, 47, 55-58. | 1.8 | 1 |
| 54 | Simultaneous measurement of retinol, Î±-tocopherol and six carotenoids in human plasma by using an isocratic reversed-phase HPLC method. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 867, 226-232. | 1.2 | 72 |

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| 55 | Modified-atmosphere packaging (MAP) does not affect the bioavailability of tocopherols and carotenoids from broccoli in humans: A cross-over study. Food Chemistry, 2008, 106, 1070-1076. | 4.2 | 12 |
| 56 | Consumption of Restructured Meat Products with Added Walnuts Has a Cholesterol-Lowering Effect in Subjects at High Cardiovascular Risk: A Randomised, Crossover, Placebo-Controlled Study. Journal of the American College of Nutrition, 2008, 27, 342-348. | 1.1 | 45 |
| 57 | Changes in carotenoid intake from fruit and vegetables in the Spanish population over the period 1964â€“2004. Public Health Nutrition, 2007, 10, 1018-1023. | 1.1 | 22 |
| 58 | Effect of total replacement of pork backfat with walnut on the nutritional profile of frankfurters. Meat Science, 2007, 77, 173-181. | 2.7 | 71 |
| 59 | Comparative in Vitro Bioaccessibility of Carotenoids from Relevant Contributors to Carotenoid Intake. Journal of Agricultural and Food Chemistry, 2007, 55, 6387-6394. | 2.4 | 99 |
| 60 | In vitro bioaccessibility of carotenoids and tocopherols from fruits and vegetables. Food Chemistry, 2007, 102, 641-648. | 4.2 | 124 |
| 61 | Risk assessment of lutein and lycopene. Regulatory Toxicology and Pharmacology, 2007, 47, 327-328. | 1.3 | 0 |
| 62 | Nutritional Approach for Designing Meat-based Functional Food Products with Nuts. Critical Reviews in Food Science and Nutrition, 2006, 46, 537-542. | 5.4 | 33 |
| 63 | Bioavailability of Carotenoids and Tocopherols from Broccoli: In Vivo and in Vitro Assessment. Experimental Biology and Medicine, 2006, 231, 1733-1738. | 1.1 | 66 |
| 64 | Assessment of carotenoid status and the relation to glycaemic control in type I diabetics: a follow-up study. European Journal of Clinical Nutrition, 2006, 60, 1000-1008. | 1.3 | 20 |
| 65 | Mediterranean vegetable soup consumption increases plasma vitamin C and decreases F2-isoprostanes, prostaglandin E2 and monocyte chemotactic protein-1 in healthy humans. Journal of Nutritional Biochemistry, 2006, 17, 183-189. | 1.9 | 78 |
| 66 | Bioavailability of vitamins A and E from whole and vitamin-fortified milks in control subjects. European Journal of Nutrition, 2006, 45, 391-398. | 1.8 | 22 |
| 67 | Simultaneous determination of vitamins A, E and 25-OH-vitamin D: Application in clinical assessments. Clinical Biochemistry, 2006, 39, 180-182. | 0.8 | 23 |
| 68 | QUANTITATION OF PROVITAMIN-A AND NON-PROVITAMIN-A CAROTENOIDS IN THE FRUITS MOST COMMONLY CONSUMED IN SPAIN. , 2005, , 141-145. | | 6 |
| 69 | Carotenoids, retinol and tocopherols in blood: Comparability between serum and plasma (Li-heparin) values. Clinical Biochemistry, 2005, 38, 444-449. | 0.8 | 19 |
| 70 | Intake of Mediterranean vegetable soup treated by pulsed electric fields affects plasma vitamin C and antioxidant biomarkers in humans. International Journal of Food Sciences and Nutrition, 2005, 56, 115-124. | 1.3 | 41 |
| 71 | Nutritional profile of restructured beef steak with added walnuts. Meat Science, 2005, 70, 647-654. | 2.7 | 63 |
| 72 | Carotenoid Depletion in Serum of Young Type-1 Diabetics Fed Low-Carotenoid Diets. Annals of Nutrition and Metabolism, 2004, 48, 251-258. | 1.0 | 10 |

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| 73 | Dietary Antioxidant Intake and Risk of Type 2 Diabetes: Response to Montonen et al.. Diabetes Care, 2004, 27, 1845-1845. | 4.3 | 11 |
| 74 | Antioxidant effect of ?-tocopherol supplied by propofol preparations (Diprivan) during ischemia?reperfusion in experimental lung transplantation. Transplant International, 2004, 17, 71-77. | 0.8 | 10 |
| 75 | Pulsed electric fieldsâ€“processed orange juice consumption increases plasma vitamin C and decreases F2-isoprostanes in healthy humans. Journal of Nutritional Biochemistry, 2004, 15, 601-607. | 1.9 | 62 |
| 76 | Consumption of High-Pressurized Vegetable Soup Increases Plasma Vitamin C and Decreases Oxidative Stress and Inflammatory Biomarkers in Healthy Humans. Journal of Nutrition, 2004, 134, 3021-3025. | 1.3 | 70 |
| 77 | Lutein, but not Î±-tocopherol, supplementation improves visual function in patients with age-related cataracts: a 2-y double-blind, placebo-controlled pilot study. Nutrition, 2003, 19, 21-24. | 1.1 | 210 |
| 78 | Retinol and Î±-tocopherol in serum of type 1 diabetic patients with intensive insulin therapy. Nutrition, 2003, 19, 128-132. | 1.1 | 10 |
| 79 | Nutritional and clinical relevance of lutein in human health. British Journal of Nutrition, 2003, 90, 487-502. | 1.2 | 292 |
| 80 | Effect of orange juice intake on vitamin C concentrations and biomarkers of antioxidant status in humans. American Journal of Clinical Nutrition, 2003, 78, 454-460. | 2.2 | 121 |
| 81 | High-Pressurized Orange Juice Consumption Affects Plasma Vitamin C, Antioxidative Status and Inflammatory Markers in Healthy Humans. Journal of Nutrition, 2003, 133, 2204-2209. | 1.3 | 79 |
| 82 | Comparison of LDL fatty acid and carotenoid concentrations and oxidative resistance of LDL in volunteers from countries with different rates of cardiovascular disease. British Journal of Nutrition, 2002, 87, 21-29. | 1.2 | 20 |
| 83 | A European multicentre, placebo-controlled supplementation study with Î±-tocopherol, carotene-rich palm oil, lutein or lycopene: analysis of serum responses. Clinical Science, 2002, 102, 447. | 1.8 | 28 |
| 84 | Plasma status of retinol, Î±- and Î³-tocopherols, and main carotenoids to first myocardial infarction: case control and follow-up study. Nutrition, 2002, 18, 26-31. | 1.1 | 44 |
| 85 | Serum depletion and bioavailability of lutein in Type I diabetic patients. European Journal of Nutrition, 2002, 41, 47-53. | 1.8 | 17 |
| 86 | A European carotenoid database to assess carotenoid intakes and its use in a five-country comparative study. British Journal of Nutrition, 2001, 85, 499-507. | 1.2 | 325 |
| 87 | Serum concentrations of carotenoids and vitamins A, E, and C in control subjects from five European countries. British Journal of Nutrition, 2001, 85, 227-238. | 1.2 | 208 |
| 88 | Lutein in patients with cataracts and age-related macular degeneration: a long-term supplementation study. Journal of the Science of Food and Agriculture, 2001, 81, 904-909. | 1.7 | 119 |
| 89 | A Fast, Reliable and Low-cost Saponification Protocol for Analysis of Carotenoids in Vegetables. Journal of Food Composition and Analysis, 2001, 14, 479-489. | 1.9 | 74 |
| 90 | No Significant Effects of Lutein, Lycopene or Î²-Carotene Supplementation on Biological Markers of Oxidative Stress and LDL Oxidizability in Healthy Adult Subjects. Journal of the American College of Nutrition, 2001, 20, 232-238. | 1.1 | 109 |

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| 91 | Carotenoids and retinol-equivalents in food composition tables from European countries (EPIC) Tj ETQq1 1 0.784314 rgBT /Overlock | 1.3 | 2 |
| 92 | Growth and micronutrient needs of adolescents. European Journal of Clinical Nutrition, 2000, 54, S11-S15. | 1.3 | 27 |
| 93 | FENS Program for Nutrition Education in Medical Schools. Annals of Nutrition and Metabolism, 1999, 43, 66-68. | 1.0 | 2 |
| 94 | Oxidative stress and antioxidant supplementation in type I diabetes. Diabetes Care, 1999, 22, 870-873. | 4.3 | 3 |
| 95 | Serum carotenoids and oxidative DNA damage in human lymphocytes. Carcinogenesis, 1998, 19, 2159-2162. | 1.3 | 137 |
| 96 | Lutein ester in serum after lutein supplementation in human subjects. British Journal of Nutrition, 1998, 80, 445-449. | 1.2 | 91 |
| 97 | Carotenoids, Retinol and Tocopherols in Patients with Insulin-Dependent Diabetes Mellitus and Their Immediate Relatives. Clinical Science, 1998, 94, 189-195. | 1.8 | 37 |
| 98 | Oxidative DNA damage measured in human lymphocytes: large differences between sexes and between countries, and correlations with heart disease mortality rates. FASEB Journal, 1998, 12, 1397-1400. | 0.2 | 144 |
| 99 | Variability in the intercomparison of food carotenoid content data: A user's point of view. Critical Reviews in Food Science and Nutrition, 1997, 37, 621-633. | 5.4 | 31 |
| 100 | Supplementation with lutein (4 months) and Î±-tocopherol (2 months), in separate or combined oral doses, in control men. Cancer Letters, 1997, 114, 179-181. | 3.2 | 23 |
| 101 | Evaluation of Retinol, Î±â€Tocopherol, and Carotenoids in Serum of Men With Cancer of the Larynx Before and After Commercial Enteral Formula Feeding. Journal of Parenteral and Enteral Nutrition, 1996, 20, 145-149. | 1.3 | 11 |
| 102 | Carotenoid composition in raw and cooked Spanish vegetables. Journal of Agricultural and Food Chemistry, 1992, 40, 2135-2140. | 2.4 | 203 |
| 103 | Determination of nine carotenoids, retinol, retinyl palmitate and Î±-tocopherol in control human serum using two internal standards. Food Chemistry, 1992, 45, 205-213. | 4.2 | 40 |
| 104 | An improved HPLC Method for the Separation of Fourteen Carotenoids, Including 15-/13- and 9-CIS-Î²-Carotene Isomers, Phytoene and Phytofluene. Journal of Liquid Chromatography and Related Technologies, 1991, 14, 2457-2475. | 0.9 | 22 |
| 105 | A Rapid Separation of Ten Carotenoids, Three Retinoids, Alpha-Tocopherol and d-Alpha-Tocopherol Acetate by High Performance Liquid Chromatography and its Application to Serum and Vegetable Samples. Journal of Liquid Chromatography and Related Technologies, 1990, 13, 1455-1483. | 0.9 | 45 |
| 106 | Î±â€Adrenoceptor involvement in catecholamineâ€induced hyperglycaemia in conscious fasted rabbits. British Journal of Pharmacology, 1986, 89, 55-66. | 2.7 | 11 |
| 107 | High Performance Liquid Chromato-Graphic Systems to Separate and Quantify a Mixture of Nine Sugars and Four Polyols. Journal of Liquid Chromatography and Related Technologies, 1985, 8, 75-94. | 0.9 | 8 |
| 108 | Reliable Separation of Xylitol from Some Carbohydrates and Polyols by High Performance Liquid Chromatography. Journal of Liquid Chromatography and Related Technologies, 1984, 7, 2003-2010. | 0.9 | 4 |

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|---|---|---|---|
| 109 | Improved Separation of Polyols and Carbohydrates by High Performance Liquid Chromatography. Journal of Liquid Chromatography and Related Technologies, 1982, 5, 1941-1946. | 0.9 | 6 |