

Maret G Traber

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

295
papers

17,662
citations

69
h-index

122
g-index

327
ext. papers

19,362
ext. citations

5.7
avg, IF

6.85
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 295 | Vitamin E: function and metabolism. <i>FASEB Journal</i> , 1999 , 13, 1145-1155 | 0.9 | 1065 |
| 294 | Vitamin E, antioxidant and nothing more. <i>Free Radical Biology and Medicine</i> , 2007 , 43, 4-15 | 7.8 | 882 |
| 293 | Redox regulation of NF-kappa B activation. <i>Free Radical Biology and Medicine</i> , 1997 , 22, 1115-26 | 7.8 | 687 |
| 292 | Vitamin E: antioxidant activity, biokinetics, and bioavailability. <i>Annual Review of Nutrition</i> , 1990 , 10, 357-82 | 9.9 | 567 |
| 291 | Vitamins C and E: beneficial effects from a mechanistic perspective. <i>Free Radical Biology and Medicine</i> , 2011 , 51, 1000-13 | 7.8 | 515 |
| 290 | Vitamin E in humans: demand and delivery. <i>Annual Review of Nutrition</i> , 1996 , 16, 321-47 | 9.9 | 384 |
| 289 | Edible coatings to improve storability and enhance nutritional value of fresh and frozen strawberries (<i>Fragaria</i> franassa) and raspberries (<i>Rubus ideaus</i>). <i>Postharvest Biology and Technology</i> , 2004 , 33, 67-78 | 6.2 | 300 |
| 288 | Human plasma and tissue alpha-tocopherol concentrations in response to supplementation with deuterated natural and synthetic vitamin E. <i>American Journal of Clinical Nutrition</i> , 1998 , 67, 669-84 | 7 | 287 |
| 287 | Vitamin E regulatory mechanisms. <i>Annual Review of Nutrition</i> , 2007 , 27, 347-62 | 9.9 | 267 |
| 286 | Vitamin E: beyond antioxidant function. <i>American Journal of Clinical Nutrition</i> , 1995 , 62, 1501S-1509S | 7 | 259 |
| 285 | Preferential incorporation of alpha-tocopherol vs gamma-tocopherol in human lipoproteins. <i>American Journal of Clinical Nutrition</i> , 1989 , 49, 517-26 | 7 | 253 |
| 284 | Oxidative stress in athletes during extreme endurance exercise. <i>Free Radical Biology and Medicine</i> , 2001 , 31, 911-22 | 7.8 | 227 |
| 283 | Vitamins E and C are safe across a broad range of intakes. <i>American Journal of Clinical Nutrition</i> , 2005 , 81, 736-45 | 7 | 219 |
| 282 | Molecular mechanisms of vitamin E transport. <i>Annual Review of Nutrition</i> , 1999 , 19, 343-55 | 9.9 | 216 |
| 281 | Smoking and exposure to environmental tobacco smoke decrease some plasma antioxidants and increase gamma-tocopherol in vivo after adjustment for dietary antioxidant intakes. <i>American Journal of Clinical Nutrition</i> , 2003 , 77, 160-6 | 7 | 201 |
| 280 | Increased atherosclerosis in hyperlipidemic mice deficient in alpha -tocopherol transfer protein and vitamin E. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 13830-4 | 11.5 | 200 |
| 279 | Impaired ability of patients with familial isolated vitamin E deficiency to incorporate alpha-tocopherol into lipoproteins secreted by the liver. <i>Journal of Clinical Investigation</i> , 1990 , 85, 397-407 | 15.9 | 189 |

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| 278 | Regulation of lipid peroxidation and ferroptosis in diverse species. <i>Genes and Development</i> , 2018 , 32, 602-619 | 12.6 | 183 |
| 277 | UV-irradiation depletes antioxidants and causes oxidative damage in a model of human skin. <i>Free Radical Biology and Medicine</i> , 1998 , 24, 55-65 | 7.8 | 182 |
| 276 | Antioxidant supplementation prevents exercise-induced lipid peroxidation, but not inflammation, in ultramarathon runners. <i>Free Radical Biology and Medicine</i> , 2004 , 36, 1329-41 | 7.8 | 170 |
| 275 | Vitamin E is delivered to cells via the high affinity receptor for low-density lipoprotein. <i>American Journal of Clinical Nutrition</i> , 1984 , 40, 747-51 | 7 | 167 |
| 274 | Vitamin E inadequacy in humans: causes and consequences. <i>Advances in Nutrition</i> , 2014 , 5, 503-14 | 10 | 153 |
| 273 | Gamma-tocopherol supplementation alone and in combination with alpha-tocopherol alters biomarkers of oxidative stress and inflammation in subjects with metabolic syndrome. <i>Free Radical Biology and Medicine</i> , 2008 , 44, 1203-8 | 7.8 | 150 |
| 272 | Nutrient biomarker patterns, cognitive function, and MRI measures of brain aging. <i>Neurology</i> , 2012 , 78, 241-9 | 6.5 | 149 |
| 271 | A history of vitamin E. <i>Annals of Nutrition and Metabolism</i> , 2012 , 61, 207-12 | 4.5 | 143 |
| 270 | Zinc deficiency affects DNA damage, oxidative stress, antioxidant defenses, and DNA repair in rats. <i>Journal of Nutrition</i> , 2009 , 139, 1626-31 | 4.1 | 143 |
| 269 | Spectrophotometric method for determination of carbonyls in oxidatively modified apolipoprotein B of human low-density lipoproteins. <i>Analytical Biochemistry</i> , 1995 , 228, 349-51 | 3.1 | 137 |
| 268 | Faster plasma vitamin E disappearance in smokers is normalized by vitamin C supplementation. <i>Free Radical Biology and Medicine</i> , 2006 , 40, 689-97 | 7.8 | 134 |
| 267 | Bovine milk lipoprotein lipase transfers tocopherol to human fibroblasts during triglyceride hydrolysis in vitro. <i>Journal of Clinical Investigation</i> , 1985 , 75, 1729-34 | 15.9 | 132 |
| 266 | Depletion of human stratum corneum vitamin E: an early and sensitive in vivo marker of UV induced photo-oxidation. <i>Journal of Investigative Dermatology</i> , 1998 , 110, 756-61 | 4.3 | 130 |
| 265 | Lack of tocopherol in peripheral nerves of vitamin E-deficient patients with peripheral neuropathy. <i>New England Journal of Medicine</i> , 1987 , 317, 262-5 | 59.2 | 124 |
| 264 | Human plasma vitamin E kinetics demonstrate rapid recycling of plasma RRR-alpha-tocopherol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 10005-8 | 11.5 | 122 |
| 263 | Phenotypic analysis of mice expressing exclusively apolipoprotein B48 or apolipoprotein B100. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 6393-8 | 11.5 | 119 |
| 262 | Studies in humans using deuterium-labeled alpha- and gamma-tocopherols demonstrate faster plasma gamma-tocopherol disappearance and greater gamma-metabolite production. <i>Free Radical Biology and Medicine</i> , 2005 , 38, 857-66 | 7.8 | 113 |
| 261 | Endurance exercise results in DNA damage as detected by the comet assay. <i>Free Radical Biology and Medicine</i> , 2004 , 36, 966-75 | 7.8 | 106 |

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|-----|--|------|-----|
| 260 | Determinants of plasma vitamin E concentrations. <i>Free Radical Biology and Medicine</i> , 1994 , 16, 229-39 | 7.8 | 105 |
| 259 | Absorption of water-miscible forms of vitamin E in a patient with cholestasis and in thoracic duct-cannulated rats. <i>American Journal of Clinical Nutrition</i> , 1986 , 44, 914-23 | 7 | 104 |
| 258 | Synthetic as compared with natural vitamin E is preferentially excreted as alpha-CEHC in human urine: studies using deuterated alpha-tocopheryl acetates. <i>FEBS Letters</i> , 1998 , 437, 145-8 | 3.8 | 103 |
| 257 | Incorporation of deuterated RRR- or all-rac-alpha-tocopherol in plasma and tissues of alpha-tocopherol transfer protein--null mice. <i>American Journal of Clinical Nutrition</i> , 2002 , 75, 555-60 | 7 | 103 |
| 256 | Studies of LDL oxidation following alpha-, gamma-, or delta-tocotrienyl acetate supplementation of hypercholesterolemic humans. <i>Free Radical Biology and Medicine</i> , 2000 , 29, 834-45 | 7.8 | 102 |
| 255 | Low density lipoprotein receptor activity in human monocyte-derived macrophages and its relation to atheromatous lesions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1980 , 77, 5466-70 | 11.5 | 102 |
| 254 | Alpha- and gamma-tocotrienols are metabolized to carboxyethyl-hydroxychroman derivatives and excreted in human urine. <i>Lipids</i> , 2001 , 36, 43-8 | 1.6 | 100 |
| 253 | Effect of high doses of dietary vitamin E on the concentrations of vitamin E in several brain regions, plasma, liver, and adipose tissue of rats. <i>Journal of Neurochemistry</i> , 1988 , 51, 621-3 | 6 | 97 |
| 252 | Efficacy of topically applied tocopherols and tocotrienols in protection of murine skin from oxidative damage induced by UV-irradiation. <i>Free Radical Biology and Medicine</i> , 1997 , 22, 761-9 | 7.8 | 96 |
| 251 | Acrolein-induced cytotoxicity in cultured human bronchial epithelial cells. Modulation by alpha-tocopherol and ascorbic acid. <i>Toxicology</i> , 2002 , 170, 173-85 | 4.4 | 95 |
| 250 | Vitamin E kinetics and the function of tocopherol regulatory proteins. <i>Nutrition</i> , 2001 , 17, 799-805 | 4.8 | 95 |
| 249 | Measurement of lipid-soluble vitamins--further adjustment needed?. <i>Lancet, The</i> , 2000 , 355, 2013-4 | 40 | 95 |
| 248 | Does gamma-tocopherol play a role in the primary prevention of heart disease and cancer? A review. <i>Journal of the American College of Nutrition</i> , 2006 , 25, 292-9 | 3.5 | 94 |
| 247 | Efficacy of hypochlorous acid scavengers in the prevention of protein carbonyl formation. <i>Archives of Biochemistry and Biophysics</i> , 1996 , 327, 330-4 | 4.1 | 94 |
| 246 | Gene expression profile of oxidant stress and neurodegeneration in transgenic mice deficient in alpha-tocopherol transfer protein. <i>Free Radical Biology and Medicine</i> , 2003 , 35, 1343-54 | 7.8 | 93 |
| 245 | In vivo exposure to ozone depletes vitamins C and E and induces lipid peroxidation in epidermal layers of murine skin. <i>Free Radical Biology and Medicine</i> , 1997 , 23, 385-91 | 7.8 | 92 |
| 244 | A specific sorting signal is not required for the polarized secretion of newly synthesized proteins from cultured intestinal epithelial cells. <i>Journal of Cell Biology</i> , 1988 , 107, 471-9 | 7.3 | 92 |
| 243 | Ozone-exposure depletes vitamin E and induces lipid peroxidation in murine stratum corneum. <i>Journal of Investigative Dermatology</i> , 1997 , 108, 753-7 | 4.3 | 90 |

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|-----|--|-----|----|
| 242 | The phorbol 12-myristate 13-acetate (PMA)-induced oxidative burst in rat peritoneal neutrophils is increased by a 0.1 mT (60 Hz) magnetic field. <i>FEBS Letters</i> , 1995 , 376, 164-6 | 3.8 | 89 |
| 241 | Vitamins C and E improve regrowth and reduce lipid peroxidation of blackberry shoot tips following cryopreservation. <i>Plant Cell Reports</i> , 2010 , 29, 25-35 | 5.1 | 87 |
| 240 | {alpha}-Tocopherol disappearance is faster in cigarette smokers and is inversely related to their ascorbic acid status. <i>American Journal of Clinical Nutrition</i> , 2005 , 81, 95-103 | 7 | 86 |
| 239 | Studies on the transfer of tocopherol between lipoproteins. <i>Lipids</i> , 1992 , 27, 657-63 | 1.6 | 85 |
| 238 | Vitamin E, nuclear receptors and xenobiotic metabolism. <i>Archives of Biochemistry and Biophysics</i> , 2004 , 423, 6-11 | 4.1 | 84 |
| 237 | Vitamin E. <i>Vitamins and Hormones</i> , 2007 , 76, 1-21 | 2.5 | 82 |
| 236 | Alpha-tocopherol modulates Cyp3a expression, increases gamma-CEHC production, and limits tissue gamma-tocopherol accumulation in mice fed high gamma-tocopherol diets. <i>Free Radical Biology and Medicine</i> , 2005 , 38, 773-85 | 7.8 | 82 |
| 235 | Vitamin E and transfer proteins. <i>Current Opinion in Lipidology</i> , 2003 , 14, 249-54 | 4.4 | 82 |
| 234 | Absorption and transport of deuterium-substituted 2R,4R,8R-alpha-tocopherol in human lipoproteins. <i>Lipids</i> , 1988 , 23, 791-7 | 1.6 | 80 |
| 233 | Mechanisms for the prevention of vitamin E excess. <i>Journal of Lipid Research</i> , 2013 , 54, 2295-306 | 6.3 | 78 |
| 232 | Alpha-tocopherol regulation of hepatic cytochrome P450s and ABC transporters in rats. <i>Free Radical Biology and Medicine</i> , 2006 , 41, 1069-78 | 7.8 | 76 |
| 231 | Vitamin E bioavailability from fortified breakfast cereal is greater than that from encapsulated supplements. <i>American Journal of Clinical Nutrition</i> , 2004 , 79, 86-92 | 7 | 76 |
| 230 | Tobacco-related diseases. Is there a role for antioxidant micronutrient supplementation?. <i>Clinics in Chest Medicine</i> , 2000 , 21, 173-87, x | 5.3 | 76 |
| 229 | Vitamin E dose-response studies in humans with use of deuterated RRR-alpha-tocopherol. <i>American Journal of Clinical Nutrition</i> , 1998 , 68, 847-53 | 7 | 73 |
| 228 | Antioxidants did not prevent muscle damage in response to an ultramarathon run. <i>Medicine and Science in Sports and Exercise</i> , 2006 , 38, 72-80 | 1.2 | 72 |
| 227 | Tocopherol distribution and intracellular localization in human adipose tissue. <i>American Journal of Clinical Nutrition</i> , 1987 , 46, 488-95 | 7 | 71 |
| 226 | Human vitamin E requirements assessed with the use of apples fortified with deuterium-labeled alpha-tocopheryl acetate. <i>American Journal of Clinical Nutrition</i> , 2006 , 83, 299-304 | 7 | 68 |
| 225 | Quantitative analysis by liquid chromatography-tandem mass spectrometry of deuterium-labeled and unlabeled vitamin E in biological samples. <i>Analytical Biochemistry</i> , 2001 , 289, 89-95 | 3.1 | 68 |

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|-----|--|------|----|
| 224 | Intestinal expression of human apolipoprotein A-IV in transgenic mice fails to influence dietary lipid absorption or feeding behavior. <i>Journal of Clinical Investigation</i> , 1994 , 93, 1776-86 | 15.9 | 68 |
| 223 | Zebrafish (<i>Danio rerio</i>) fed vitamin E-deficient diets produce embryos with increased morphologic abnormalities and mortality. <i>Journal of Nutritional Biochemistry</i> , 2012 , 23, 478-86 | 6.3 | 66 |
| 222 | Modulation of ozone-sensitive genes in alpha-tocopherol transfer protein null mice. <i>Inhalation Toxicology</i> , 2010 , 22, 1-16 | 2.7 | 66 |
| 221 | Benefits of prolonged gradient separation for high-performance liquid chromatography-tandem mass spectrometry quantitation of plasma total 15-series F-isoprostanes. <i>Analytical Biochemistry</i> , 2006 , 350, 41-51 | 3.1 | 66 |
| 220 | Women and smokers have elevated urinary F(2)-isoprostane metabolites: a novel extraction and LC-MS methodology. <i>Lipids</i> , 2008 , 43, 925-36 | 1.6 | 64 |
| 219 | A rapid method for the extraction and determination of vitamin E metabolites in human urine. <i>Journal of Lipid Research</i> , 2000 , 41, 148-154 | 6.3 | 64 |
| 218 | Vitamin E trafficking. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1031, 1-12 | 6.5 | 63 |
| 217 | Exencephaly and hydrocephaly in mice with targeted modification of the apolipoprotein B (ApoB) gene. <i>Teratology</i> , 1995 , 51, 1-10 | | 63 |
| 216 | Lactating sows and suckling piglets preferentially incorporate RRR- over all-rac-alpha-tocopherol into milk, plasma and tissues. <i>Journal of Nutrition</i> , 2002 , 132, 1258-64 | 4.1 | 62 |
| 215 | Vitamin E revisited: do new data validate benefits for chronic disease prevention?. <i>Current Opinion in Lipidology</i> , 2008 , 19, 30-8 | 4.4 | 61 |
| 214 | Vitamin E attenuates acute lung injury in sheep with burn and smoke inhalation injury. <i>Redox Report</i> , 2006 , 11, 61-70 | 5.9 | 61 |
| 213 | Thiol chelation of Cu ²⁺ by dihydrolipoic acid prevents human low density lipoprotein peroxidation. <i>Free Radical Biology and Medicine</i> , 1998 , 25, 287-97 | 7.8 | 58 |
| 212 | Micronutrient antioxidants and smoking. <i>British Medical Bulletin</i> , 1999 , 55, 691-704 | 5.4 | 54 |
| 211 | Dietary intake associated with serum versus urinary carboxymethyl-lysine, a major advanced glycation end product, in adults: the Energetics Study. <i>European Journal of Clinical Nutrition</i> , 2012 , 66, 3-9 | 5.2 | 52 |
| 210 | Ozone depletes tocopherols and tocotrienols topically applied to murine skin. <i>FEBS Letters</i> , 1997 , 401, 167-70 | 3.8 | 51 |
| 209 | Vitamin E biokinetics, oxidative stress and cigarette smoking. <i>Pathophysiology</i> , 2006 , 13, 143-9 | 1.8 | 51 |
| 208 | Alpha-tocopherol transfer protein deficiency in mice causes multi-organ deregulation of gene networks and behavioral deficits with age. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1031, 109-26 | 6.5 | 51 |
| 207 | 5-nitro-gamma-tocopherol increases in human plasma exposed to cigarette smoke in vitro and in vivo. <i>Free Radical Biology and Medicine</i> , 2003 , 35, 1560-7 | 7.8 | 51 |

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|-----|---|------|----|
| 206 | Efficacy of water-soluble vitamin E in the treatment of vitamin E malabsorption in short-bowel syndrome. <i>American Journal of Clinical Nutrition</i> , 1994 , 59, 1270-4 | 7 | 51 |
| 205 | Alpha-tocopherol beta-oxidation localized to rat liver mitochondria. <i>Free Radical Biology and Medicine</i> , 2010 , 48, 73-81 | 7.8 | 50 |
| 204 | Dietary zinc restriction and repletion affects DNA integrity in healthy men. <i>American Journal of Clinical Nutrition</i> , 2009 , 90, 321-8 | 7 | 49 |
| 203 | Vitamin C deficiency activates the purine nucleotide cycle in zebrafish. <i>Journal of Biological Chemistry</i> , 2012 , 287, 3833-41 | 5.4 | 49 |
| 202 | Tocopherol bioavailability is lower in adults with metabolic syndrome regardless of dairy fat co-ingestion: a randomized, double-blind, crossover trial. <i>American Journal of Clinical Nutrition</i> , 2015 , 102, 1070-80 | 7 | 48 |
| 201 | Uptake of intact TPGS (d-alpha-tocopheryl polyethylene glycol 1000 succinate) a water-miscible form of vitamin E by human cells in vitro. <i>American Journal of Clinical Nutrition</i> , 1988 , 48, 605-11 | 7 | 48 |
| 200 | Apolipoprotein B-related gene expression and ultrastructural characteristics of lipoprotein secretion in mouse yolk sac during embryonic development. <i>Journal of Lipid Research</i> , 1999 , 40, 1967-1977 | 6.3 | 48 |
| 199 | Vitamin E and K interactions--a 50-year-old problem. <i>Nutrition Reviews</i> , 2008 , 66, 624-9 | 6.4 | 47 |
| 198 | Discrimination between RRR- and all-racemic-alpha-tocopherols labeled with deuterium by patients with abetalipoproteinemia. <i>Atherosclerosis</i> , 1994 , 108, 27-37 | 3.1 | 47 |
| 197 | Conjugated linoleic acid and fish oil in laying hen diets: effects on egg fatty acids, thiobarbituric acid reactive substances, and tocopherols during storage. <i>Poultry Science</i> , 2007 , 86, 953-8 | 3.9 | 46 |
| 196 | Antioxidant supplements reduced oxidative stress and stabilized liver function tests but did not reduce inflammation in a randomized controlled trial in obese children and adolescents. <i>Journal of Nutrition</i> , 2014 , 144, 193-201 | 4.1 | 44 |
| 195 | Vitamin E supplementation increases circulating vitamin E metabolites tenfold in end-stage renal disease patients. <i>Lipids</i> , 2003 , 38, 813-9 | 1.6 | 44 |
| 194 | Synthesis and secretion of apolipoprotein E by human placenta and choriocarcinoma cell lines. <i>Placenta</i> , 1991 , 12, 615-24 | 3.4 | 43 |
| 193 | Interactions between vitamin E homologues and ascorbate free radicals in murine skin homogenates irradiated with ultraviolet light. <i>Photochemistry and Photobiology</i> , 1997 , 65, 355-65 | 3.6 | 42 |
| 192 | gamma-Tocopherol nebulization by a lipid aerosolization device improves pulmonary function in sheep with burn and smoke inhalation injury. <i>Free Radical Biology and Medicine</i> , 2008 , 45, 425-33 | 7.8 | 42 |
| 191 | Subcutaneous vitamin E ameliorates liver injury in an in vivo model of steatocholestasis. <i>Hepatology</i> , 2007 , 46, 485-95 | 11.2 | 42 |
| 190 | Alpha-tocopherol as compared with gamma-tocopherol is preferentially secreted in human lipoproteins. <i>Annals of the New York Academy of Sciences</i> , 1989 , 570, 95-108 | 6.5 | 42 |
| 189 | Vitamin E uptake by human intestinal cells during lipolysis in vitro. <i>Gastroenterology</i> , 1990 , 98, 96-103 | 13.3 | 42 |

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| 188 | Novel function of vitamin E in regulation of zebrafish (<i>Danio rerio</i>) brain lysophospholipids discovered using lipidomics. <i>Journal of Lipid Research</i> , 2015 , 56, 1182-90 | 6.3 | 41 |
| 187 | Dietary patterns are associated with plasma F ₂ -isoprostanes in an observational cohort study of adults. <i>Free Radical Biology and Medicine</i> , 2013 , 57, 201-9 | 7.8 | 40 |
| 186 | Alpha-tocopherol modulates genes involved in hepatic xenobiotic pathways in mice. <i>Journal of Nutritional Biochemistry</i> , 2009 , 20, 469-76 | 6.3 | 40 |
| 185 | Three non-allelic epistatically interacting methyltransferase mutations produce novel tocopherol (vitamin E) profiles in sunflower. <i>Theoretical and Applied Genetics</i> , 2006 , 113, 767-82 | 6 | 40 |
| 184 | Copper toxicity and lipid peroxidation in isolated rat hepatocytes: effect of vitamin E. <i>Pediatric Research</i> , 1989 , 25, 55-62 | 3.2 | 40 |
| 183 | Vitamin E kinetics in smokers and nonsmokers. <i>Free Radical Biology and Medicine</i> , 2001 , 31, 1368-74 | 7.8 | 39 |
| 182 | beta-Carotene transport in human lipoproteins. Comparisons with alpha-tocopherol. <i>Lipids</i> , 1994 , 29, 665-9 | 1.6 | 38 |
| 181 | The secretion of apolipoprotein E by human monocyte-derived macrophages. <i>Archives of Biochemistry and Biophysics</i> , 1985 , 239, 388-95 | 4.1 | 38 |
| 180 | Vitamin E deficiency decreases long-chain PUFA in zebrafish (<i>Danio rerio</i>). <i>Journal of Nutrition</i> , 2011 , 141, 2113-8 | 4.1 | 37 |
| 179 | Apolipoprotein B carbonyl formation is enhanced by lipid peroxidation during copper-mediated oxidation of human low-density lipoproteins. <i>Archives of Biochemistry and Biophysics</i> , 1997 , 339, 165-71 | 4.1 | 37 |
| 178 | Receptor activities for low-density lipoprotein and acetylated low-density lipoprotein in a mouse macrophage cell line (IC21) and in human monocyte-derived macrophages. <i>Journal of Experimental Medicine</i> , 1981 , 154, 1852-67 | 16.6 | 37 |
| 177 | Metabolic syndrome increases dietary tocopherol requirements as assessed using urinary and plasma vitamin E catabolites: a double-blind, crossover clinical trial. <i>American Journal of Clinical Nutrition</i> , 2017 , 105, 571-579 | 7 | 36 |
| 176 | Sex differences in the inhibition of gamma-tocopherol metabolism by a single dose of dietary sesame oil in healthy subjects. <i>American Journal of Clinical Nutrition</i> , 2008 , 87, 1723-9 | 7 | 36 |
| 175 | Is there a vitamin E paradox?. <i>Current Opinion in Lipidology</i> , 2001 , 12, 49-53 | 4.4 | 36 |
| 174 | A metabolomic analysis of omega-3 fatty acid-mediated attenuation of western diet-induced nonalcoholic steatohepatitis in LDLR ^{-/-} mice. <i>PLoS ONE</i> , 2013 , 8, e83756 | 3.7 | 36 |
| 173 | Tocopherol-rich supplementation additively improves vascular endothelial function during smoking cessation. <i>Free Radical Biology and Medicine</i> , 2013 , 65, 1291-1299 | 7.8 | 35 |
| 172 | Reliability and validity of food frequency questionnaire and nutrient biomarkers in elders with and without mild cognitive impairment. <i>Alzheimer Disease and Associated Disorders</i> , 2011 , 25, 49-57 | 2.5 | 35 |
| 171 | Quantitation of rat liver vitamin E metabolites by LC-MS during high-dose vitamin E administration. <i>Journal of Lipid Research</i> , 2005 , 46, 1068-75 | 6.3 | 35 |

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|-----|---|------|----|
| 170 | The Tocopherol transfer protein is essential for vertebrate embryogenesis. <i>PLoS ONE</i> , 2012 , 7, e47402 | 3.7 | 35 |
| 169 | Antioxidant supplementation decreases lipid peroxidation biomarker F(2)-isoprostanes in plasma of smokers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2002 , 11, 7-13 | 4 | 35 |
| 168 | Potential risk indicators of retained placenta and other diseases in multiparous cows. <i>Journal of Dairy Science</i> , 2014 , 97, 4151-65 | 4 | 34 |
| 167 | Chronic vitamin E deficiency impairs cognitive function in adult zebrafish via dysregulation of brain lipids and energy metabolism. <i>Free Radical Biology and Medicine</i> , 2017 , 112, 308-317 | 7.8 | 34 |
| 166 | Urinary 8-carboxyethyl hydroxychroman can be used as a predictor of Tocopherol adequacy, as demonstrated in the Energetics Study. <i>American Journal of Clinical Nutrition</i> , 2012 , 96, 801-9 | 7 | 34 |
| 165 | Macromolecular carbonyls in human stratum corneum: a biomarker for environmental oxidant exposure?. <i>FEBS Letters</i> , 1998 , 422, 403-6 | 3.8 | 34 |
| 164 | Dietary zinc restriction in rats alters antioxidant status and increases plasma F2 isoprostanes. <i>Journal of Nutritional Biochemistry</i> , 2007 , 18, 509-18 | 6.3 | 34 |
| 163 | Effect of supranutritional organic selenium supplementation on postpartum blood micronutrients, antioxidants, metabolites, and inflammation biomarkers in selenium-replete dairy cows. <i>Biological Trace Element Research</i> , 2014 , 161, 272-87 | 4.5 | 33 |
| 162 | Regulatory mechanisms to control tissue alpha-tocopherol. <i>Free Radical Biology and Medicine</i> , 2007 , 43, 610-8 | 7.8 | 33 |
| 161 | Enhanced inflammatory responses in alpha-tocopherol transfer protein null mice. <i>Archives of Biochemistry and Biophysics</i> , 2004 , 423, 162-9 | 4.1 | 33 |
| 160 | The new US Dietary Reference Intakes for vitamins C and E. <i>Redox Report</i> , 2001 , 6, 5-9 | 5.9 | 33 |
| 159 | Alterations in plasma alpha- and gamma-tocopherol concentrations in response to intravenous infusion of lipid emulsions in humans. <i>Metabolism: Clinical and Experimental</i> , 1993 , 42, 701-9 | 12.7 | 33 |
| 158 | Kinetic study of cutaneous and subcutaneous distribution following topical application of [7,8-14C]rac-alpha-lipoic acid onto hairless mice. <i>Biochemical Pharmacology</i> , 1996 , 52, 627-33 | 6 | 32 |
| 157 | Novel liquid chromatography-mass spectrometry method shows that vitamin E deficiency depletes arachidonic and docosahexaenoic acids in zebrafish (<i>Danio rerio</i>) embryos. <i>Redox Biology</i> , 2013 , 2, 105-13 | 11.3 | 31 |
| 156 | Mechanisms of vitamin E regulation: research over the past decade and focus on the future. <i>Antioxidants and Redox Signaling</i> , 2000 , 2, 405-12 | 8.4 | 31 |
| 155 | The relationship between vitamin C status, the gut-liver axis, and metabolic syndrome. <i>Redox Biology</i> , 2019 , 21, 101091 | 11.3 | 31 |
| 154 | Lethal dysregulation of energy metabolism during embryonic vitamin E deficiency. <i>Free Radical Biology and Medicine</i> , 2017 , 104, 324-332 | 7.8 | 30 |
| 153 | Cigarette smoke alters human vitamin E requirements. <i>Journal of Nutrition</i> , 2005 , 135, 671-4 | 4.1 | 30 |

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|-----|---|-----|----|
| 152 | Penetration and distribution of alpha-tocopherol, alpha- or gamma-tocotrienols applied individually onto murine skin. <i>Lipids</i> , 1998 , 33, 87-91 | 1.6 | 29 |
| 151 | Lower plasma alpha-carboxyethyl-hydroxychroman after deuterium-labeled alpha-tocopherol supplementation suggests decreased vitamin E metabolism in smokers. <i>American Journal of Clinical Nutrition</i> , 2005 , 81, 1052-9 | 7 | 29 |
| 150 | Sensitive high-performance liquid chromatography techniques for simultaneous determination of tocopherols, tocotrienols, ubiquinol, and ubiquinones in biological samples. <i>Methods in Enzymology</i> , 1999 , 299, 330-41 | 1.7 | 29 |
| 149 | Vitamin E status of patients receiving long-term parenteral nutrition: is vitamin E supplementation adequate?. <i>Journal of Parenteral and Enteral Nutrition</i> , 1991 , 15, 647-52 | 4.2 | 29 |
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