Brigitte M Winklhofer-Roob

List of Publications by Year
in descending order

57 papers	3,328 citations	185998 28 h-index	143772 57 g-index
65 all docs	65 docs citations	65 times ranked	5201 citing authors

#	Article	IF	Citations
1	Dietary factors and low-grade inflammation in relation to overweight and obesity. British Journal of Nutrition, 2011, 106, S5-S78.	1.2	816
2	Generation of hydroperoxides in isolated rat hepatocytes and hepatic mitochondria exposed to hydrophobic bile acids. Gastroenterology, 1995, 109, 1249-1256.	0.6	263
3	Vitamin E Attenuates Oxidative Stress Induced by Intravenous Iron in Patients on Hemodialysis. Journal of the American Society of Nephrology: JASN, 2000, 11, 539-549.	3.0	167
4	Multicentric Validation of Proteomic Biomarkers in Urine Specific for Diabetic Nephropathy. PLoS ONE, 2010, 5, e13421.	1.1	117
5	From carotenoid intake to carotenoid blood and tissue concentrations â€“ implications for dietary intake recommendations. Nutrition Reviews, 2021, 79, 544-573.	2.6	113
6	Multicentre prospective validation of a urinary peptidome-based classifier for the diagnosis of type 2 diabetic nephropathy. Nephrology Dialysis Transplantation, 2014, 29, 1563-1570.	0.4	106
7	Circulating adipokines and the protective effects of hyperinsulinemia in inflammatory bowel disease. Nutrition, 2009, 25, 172-181.	1.1	98
8	Imidazopurinones are markers of physiological genomic damage linked to DNA instability and glyoxalase 1-associated tumour multidrug resistance. Nucleic Acids Research, 2010, 38, 5432-5442.	6.5	98
9	Enhanced resistance to oxidation of low density lipoproteins and decreased lipid peroxide formation during Î²-carotene supplementation in cystic fibrosis. Free Radical Biology and Medicine, 1995, 18, 849-859.	1.3	94
10	Oxygen free radicals and antioxidants in cystic fibrosis: the concept of an oxidantâ€antioxidant imbalance. Acta Paediatrica, International Journal of Paediatrics, 1994, 83, 49-57.	0.7	92
11	Inverse association between serum concentrations of neopterin and antioxidants in patients with and without angiographic coronary artery disease. Atherosclerosis, 2009, 202, 543-549.	0.4	91
12	Oxidative stress increases continuously with BMI and age with unfavourable profiles in males. Aging Male, 2012, 15, 159-165.	0.9	90
13	Low Serum Levels of 25-Hydroxyvitamin D Predict Fatal Cancer in Patients Referred to Coronary Angiography. Cancer Epidemiology Biomarkers and Prevention, 2008, 17, 1228-1233.	1.1	88
14	Altered status of antioxidant vitamins and fatty acids in patients with inactive inflammatory bowel disease. Clinical Nutrition, 2008, 27, 571-578.	2.3	79
15	Reference values for plasma concentrations of asymmetrical dimethylarginine (ADMA) and other arginine metabolites in men after validation of a chromatographic method. Clinica Chimica Acta, 2007, 384, 141-148.	0.5	76
16	Effects of vitamin E and carotenoid status on oxidative stress in health and disease. Evidence obtained from human intervention studies. Molecular Aspects of Medicine, 2003, 24, 391-402.	2.7	65
17	Reference values for plasma concentrations of vitamin E and A and carotenoids in a Swiss population from infancy to adulthood, adjusted for seasonal influences. Clinical Chemistry, 1997, 43, 146-153.	1.5	63
18	Mechanistic aspects of carotenoid health benefits â€“ where are we now?. Nutrition Research Reviews, 2021, 34, 276-302.	2.1	61

#	Article	IF	Citations
19	Comparison of the postprandial chylomicron carotenoid responses in young and older subjects. European Journal of Nutrition, 2003, 42, 315-323.	1.8	60
20	Impaired resistance to oxidation of low density lipoprotein in cystic fibrosis: Improvement during vitamin E supplementation. Free Radical Biology and Medicine, 1995, 19, 725-733.	1.3	57
21	Urinary Collagen Fragments Are Significantly Altered in Diabetes: A Link to Pathophysiology. PLoS ONE, 2010, 5, e13051.	1.1	51
22	Vitamin E kinetics in smokers and nonsmokers. Free Radical Biology and Medicine, 2001, 31, 1368-1374.	1.3	46
23	In vivo and in vitro evidences that carotenoids could modulate the neutrophil respiratory burst during dietary manipulation. European Journal of Nutrition, 2005, 44, 114-120.	1.8	39
24	Subclinical inflammation, telomere shortening, homocysteine, vitamin B6, and mortality: the Ludwigshafen Risk and Cardiovascular Health Study. European Journal of Nutrition, 2020, 59, 1399-1411.	1.8	38
25	Increased DNA Dicarbonyl Glycation and Oxidation Markers in Patients with Type 2 Diabetes and Link to Diabetic Nephropathy. Journal of Diabetes Research, 2015, 2015, 1-10.	1.0	37
26	The effect of idebenone, a coenzyme Q analogue, on hydrophobic bile acid toxicity to isolated rat hepatocytes and hepatic mitochondria. Free Radical Biology and Medicine, 1998, 25, 480-492.	1.3	34
27	Neutrophil Elastase/Î±1-Proteinase Inhibitor Complex Levels Decrease in Plasma of Cystic Fibrosis Patients during Long-Term Oral Î²-Carotene Supplementation1. Pediatric Research, 1996, 40, 130-134.	1.1	33
28	Low-density lipoprotein oxidation biomarkers in human health and disease and effects of bioactive compounds. Free Radical Biology and Medicine, 2017, 111, 38-86.	1.3	31
29	Low serum zinc concentrations predict mortality in patients referred to coronary angiography. British Journal of Nutrition, 2009, 101, 1534.	1.2	29
30	Does aging affect the immune status? A comparative analysis in 300 healthy volunteers from France, Austria and Spain. Immunity and Ageing, 2013, 10, 38.	1.8	23
31	Effects of pancreatic enzyme preparations on erythrocyte glutathione peroxidase activities and plasma selenium concentrations in cystic fibrosis 11Supported by the Austrian Science Foundation (Erwin Schroedinger Research Grant J0511, Charlotte Buehler Research Grant H062, and P11690-MED).. Free Radical Biology and Medicine, 1998, 25, 242-249.	1.3	22
32	Increased concentrations of circulating vitamin E in carriers of the apolipoprotein A5 gene â^'1131T>C variant and associations with plasma lipids and lipid peroxidation. Journal of Lipid Research, 2007, 48, 2506-2513.	2.0	20
33	Effects of Vitamin E Depletion/Repletion on Biomarkers of Oxidative Stress in Healthy Aging. Annals of the New York Academy of Sciences, 2004, 1031, 361-364.	1.8	18
34	Urinary Metabolomic Markers of Protein Glycation, Oxidation, and Nitration in Early-Stage Decline in Metabolic, Vascular, and Renal Health. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-15.	1.9	18
35	Vitamin E content of foods: Comparison of results obtained from food composition tables and HPLC analysis. Clinical Nutrition, 2007, 26, 145-153.	2.3	17
36	Neutrophils are immune cells preferentially targeted by retinoic acid in elderly subjects. Immunity and Ageing, 2010, 7, 10.	1.8	17

#	Article	IF	Citations
37	Immune status is more affected by age than by carotenoid depletionâ€“repletion in healthy human subjects. British Journal of Nutrition, 2012, 108, 2054-2065.	1.2	16
38	Circulating leptin and NFâ€ºB activation in peripheral blood mononuclear cells across the menstrual cycle. BioFactors, 2016, 42, 376-387.	2.6	15
39	Progesterone-associated arginine decline at luteal phase of menstrual cycle and associations with related amino acids and nuclear factor kB activation. PLoS ONE, 2018, 13, e0200489.	1.1	14
40	Low density lipoprotein immunoapheresis does not increase plasma lipid peroxidation products in vivo. Clinica Chimica Acta, 1999, 288, 21-30.	0.5	13
41	Association between intestinal tight junction permeability and whole-body electrical resistance in healthy individuals: A hypothesis. Nutrition, 2009, 25, 706-714.	1.1	11
42	The Effect of Age on Vitamin E Status, Metabolism, and Function: Metabolism as Assessed by Labeled Tocopherols. Annals of the New York Academy of Sciences, 2004, 1031, 40-43.	1.8	10
43	Association of a polymorphism in the promoter of the cellular retinoic acid-binding protein II gene (CRABP2) with increased circulating low-density lipoprotein cholesterol. Clinical Chemistry and Laboratory Medicine, 2007, 45, 615-20.	1.4	10
44	Identification of blood cell transcriptomeâ€based biomarkers in adulthood predictive of increased risk to develop metabolic disorders using early life intervention rat models. FASEB Journal, 2020, 34, 9003-9017.	0.2	10
45	Effects of orlistat therapy on plasma concentrations of oxygenated and hydrocarbon carotenoids. Lipids, 2006, 41, 113-118.	0.7	9
46	Vitamin E Supplementation in Cystic Fibrosis. Journal of Pediatric Gastroenterology and Nutrition, 1997, 25, 120.	0.9	9
47	Ex vivo low-density lipoprotein oxidizability and in vivo lipid peroxidation in patients on CAPD. Kidney International, 2001, 59, S128-S136.	2.6	7
48	Gender differences in albumin and ascorbic acid in the vitreous antioxidant system. Free Radical Biology and Medicine, 2020, 146, 257-263.	1.3	7
49	Beta-carotene supplementation in cystic fibrosis. Journal of Pediatrics, 1996, 129, 181-182.	0.9	5
50	Effects of LDL-immunoapheresis on plasma concentrations of vitamin E and carotenoids in patients with familial hypercholesterolemia. Journal of Clinical Apheresis, 2004, 19, 174-179.	0.7	5
51	Vitamin D and Cancer Mortality. Cancer Epidemiology Biomarkers and Prevention, 2009, 18, 359-359.	1.1	5
52	The Decrease in Î³-Tocopherol in Plasma and Lipoprotein Fractions Levels Off within Two Days of Vitamin E Supplementation. Annals of the New York Academy of Sciences, 2004, 1031, 378-380.	1.8	4
53	Does Aging Affect the Response of Vitamin E Status to Vitamin E Depletion and Supplementation?. Annals of the New York Academy of Sciences, 2004, 1031, 381-384.	1.8	4
54	Activation of nuclear factor-kappa B subunits c-Rel, p65 and p50 by plasma lipids and fatty acids across the menstrual cycle. Free Radical Biology and Medicine, 2020, 160, 488-500.	1.3	2

#	Article	IF	Citations
55	Intermittent haemodialysis-induced oxidative stress and the effect on inflammatory parameters in critically ill patients. Orvosi Hetilap, 2010, 4, 79-88.	0.2	1
56	Statistical mediation of the relationships between chronological age and lipoproteins by nonessential amino acids in healthy men. Computational and Structural Biotechnology Journal, 2021, 19, 6169-6178.	1.9	1
57	Activation of RelA (p65), but not of p50 dimers of nuclear factor kappa B (NFâ€Îº B) is decreased in impaired renal function. FASEB Journal, 2013, 27, 46.7.	0.2	0