

Hans K Biesalski

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

3,514
citations

236925

25
h-index

144013

57
g-index

59
all docs

59
docs citations

59
times ranked

4756
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved analysis of malondialdehyde in human body fluids. <i>Free Radical Biology and Medicine</i> , 1996, 20, 251-256.	2.9	637
2	Combined Measurement of Ferritin, Soluble Transferrin Receptor, Retinol Binding Protein, and C-Reactive Protein by an Inexpensive, Sensitive, and Simple Sandwich Enzyme-Linked Immunosorbent Assay Technique. <i>Journal of Nutrition</i> , 2004, 134, 3127-3132.	2.9	448
3	Î²-Carotene Is an Important Vitamin A Source for Humans. <i>Journal of Nutrition</i> , 2010, 140, 2268S-2285S.	2.9	402
4	Nutrition meets the microbiome: micronutrients and the microbiota. <i>Annals of the New York Academy of Sciences</i> , 2016, 1372, 53-64.	3.8	173
5	Comparative assessment of the toxicology of vitamin A and retinoids in man. <i>Toxicology</i> , 1989, 57, 117-161.	4.2	133
6	Biochemical but not clinical vitamin A deficiency results from mutations in the gene for retinol binding protein. <i>American Journal of Clinical Nutrition</i> , 1999, 69, 931-936.	4.7	111
7	UV Light, Beta-carotene and Human Skinâ€”Beneficial and Potentially Harmful Effects. <i>Archives of Biochemistry and Biophysics</i> , 2001, 389, 1-6.	3.0	110
8	Rationale and impact of vitamin C in clinical nutrition. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2006, 9, 697-703.	2.5	89
9	Vitamin D deficiency and co-morbidities in COVID-19 patients â€” A fatal relationship?. <i>NFS Journal</i> , 2020, 20, 10-21.	4.3	85
10	Free radical theory of aging. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2002, 5, 5-10.	2.5	74
11	Enhancement of the UVA induction of haem oxygenaseâ€”1 expression by Î²-carotene in human skin fibroblasts. <i>FEBS Letters</i> , 1999, 460, 212-216.	2.8	73
12	Antioxidant deficiency in cystic fibrosis: when is the right time to take action?. <i>American Journal of Clinical Nutrition</i> , 2004, 80, 374-384.	4.7	71
13	Pilot study on the effect of parenteral vitamin E on ischemia and reperfusion induced liver injury: a double blind, randomized, placebo-controlled trial. <i>Clinical Nutrition</i> , 2004, 23, 1360-1370.	5.0	68
14	Î²-Carotene Conversion into Vitamin A in Human Retinal Pigment Epithelial Cells. , 2005, 46, 3562.		63
15	Reexamination of a Meta-Analysis of the Effect of Antioxidant Supplementation on Mortality and Health in Randomized Trials. <i>Nutrients</i> , 2010, 2, 929-949.	4.1	61
16	Vitamin E Requirements in Parenteral Nutrition. <i>Gastroenterology</i> , 2009, 137, S92-S104.	1.3	59
17	Conversion of Î²-Carotene to Retinal Pigment. <i>Vitamins and Hormones</i> , 2007, 75, 117-130.	1.7	55
18	Protective effects of vitamins C and E on the number of micronuclei in lymphocytes in smokers and their role in ascorbate free radical formation in plasma. <i>Free Radical Research</i> , 2001, 34, 209-219.	3.3	54

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19	New Aspects in Vitamin A Metabolism: the Role of Retinyl Esters as Systemic and Local Sources for Retinol in Mucous Epithelia. <i>Journal of Nutrition</i> , 2004, 134, 3453S-3457S.	2.9	43
20	Multivitamin/mineral supplements: Rationale and safety – A systematic review. <i>Nutrition</i> , 2017, 33, 76-82.	2.4	42
21	Ascorbic acid suppresses cell death in rat DS-sarcoma cancer cells induced by 5-aminolevulinic acid-based photodynamic therapy. <i>Free Radical Biology and Medicine</i> , 2006, 40, 827-836.	2.9	41
22	Massive and long-lasting decrease in vitamin C plasma levels as a consequence of extracorporeal circulation. <i>Nutrition</i> , 2014, 30, 673-678.	2.4	39
23	Î²-Carotene and Î±-tocopherol concentration and antioxidant status in buccal mucosal cells and plasma after oral supplementation. <i>British Journal of Nutrition</i> , 2002, 87, 471-475.	2.3	38
24	Comparison of the relative bioavailability of different coenzyme Q ₁₀ formulations with a novel solubilizate (Soluâ„¸ Q10). <i>International Journal of Food Sciences and Nutrition</i> , 2006, 57, 546-555.	2.8	36
25	Diabetes preventive components in the Mediterranean diet. <i>European Journal of Nutrition</i> , 2004, 43, 1-1.	3.9	27
26	Classic dengue fever affects levels of circulating antioxidants. <i>Nutrition</i> , 2004, 20, 542-547.	2.4	25
27	Determinants of household dietary practices in rural Tanzania: Implications for nutrition interventions. <i>Cogent Food and Agriculture</i> , 2016, 2, .	1.4	24
28	Obesity, vitamin D deficiency and old age a serious combination with respect to coronavirus disease-2019 severity and outcome. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2021, 24, 18-24.	2.5	23
29	Modulation of UVA-Induced Lipid Peroxidation and Suppression of UVB-Induced Ornithine Decarboxylase Response by All-trans-Retinoic Acid in Human Skin Fibroblasts <i>In Vitro</i>. <i>Biological Chemistry</i> , 1998, 379, 1263-1270.	2.5	22
30	Can changes in hydrophobicity increase the bioavailability of Î±-tocopherol?. <i>European Journal of Nutrition</i> , 2006, 45, 1-6.	3.9	21
31	Qualitative and quantitative analysis of retinol, retinyl esters, tocopherols and selected carotenoids out of various internal organs from different species by HPLC. <i>Analytical Methods</i> , 2010, 2, 1320.	2.7	21
32	Vitamin D Recommendations – Beyond Deficiency. <i>Annals of Nutrition and Metabolism</i> , 2011, 59, 10-16.	1.9	21
33	Multivitamin/mineral supplements: Rationale and safety. <i>Nutrition</i> , 2017, 36, 60-66.	2.4	21
34	Improved method for rapid determination of vitamin A in small samples of breast milk by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2000, 898, 179-183.	3.7	19
35	Vitamin A Deficiency Increases Noise Susceptibility in Guinea Pigs. <i>Journal of Nutrition</i> , 1990, 120, 726-737.	2.9	18
36	[18] Separation of retinyl esters and their geometric isomers by isocratic adsorption high-performance liquid chromatography. <i>Methods in Enzymology</i> , 1990, 189, 181-189.	1.0	18

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37	Dietary intake and nutritional status of women and pre-school children in the Republic of the Maldives. <i>Public Health Nutrition</i> , 2001, 4, 773-780.	2.2	18
38	Vitamin E supplementation does not increase the vitamin C radical concentration at rest and after exhaustive exercise in healthy male subjects. <i>European Journal of Nutrition</i> , 2003, 42, 195-200.	3.9	18
39	Biochemical, Morphological, and Functional Aspects of Systemic and Local Vitamin A Deficiency in the Respiratory Tract. <i>Annals of the New York Academy of Sciences</i> , 1992, 669, 325-331.	3.8	17
40	The role of antioxidants in nutritional support. <i>Nutrition</i> , 2000, 16, 593-596.	2.4	17
41	Micronutrient deficiencies. <i>European Journal of Nutrition</i> , 2003, 42, 353-363.	3.9	17
42	Rapid and easy carotenoid quantification in Ghanaian starchy staples using RP-HPLC-PDA. <i>Journal of Food Composition and Analysis</i> , 2018, 67, 119-127.	3.9	15
43	Twice the recommended daily allowance of iron is associated with an increase in plasma α -1 antichymotrypsin concentrations in Guatemalan school-aged children. <i>Nutrition Research</i> , 2004, 24, 875-887.	2.9	13
44	Parenteral ascorbic acid in haemodialysis patients. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2008, 11, 741-746.	2.5	13
45	Impact of Food Rations and Supplements on Micronutrient Status by Trimester of Pregnancy: Cross-Sectional Studies in the Maela Refugee Camp in Thailand. <i>Nutrients</i> , 2016, 8, 66.	4.1	13
46	Short-term parenteral application of α -tocopherol leads to increased concentration in plasma and tissues of the rat. <i>Free Radical Research</i> , 1998, 29, 421-426.	3.3	12
47	Protective effects of tomato extract with elevated beta-carotene levels on oxidative stress in ARPE-19 cells. <i>British Journal of Nutrition</i> , 2006, 96, 643-9.	2.3	12
48	β -Carotene and α -tocopherol concentration and antioxidant status in buccal mucosal cells and plasma after oral supplementation. <i>British Journal of Nutrition</i> , 2002, 87, 471-475.	2.3	12
49	Antioxidant, free radical scavenging and type II diabetes-related enzyme inhibition properties of traditionally processed Jequirity bean (<i>Abrus precatorius</i> L.). <i>International Journal of Food Science and Technology</i> , 2011, 46, 2505-2512.	2.7	11
50	Factors influencing stunting among children in rural Tanzania: an agro-climatic zone perspective. <i>Food Security</i> , 2017, 9, 1157-1171.	5.3	11
51	Long-Term Administration of High Dose Vitamin A to Rats Does Not Cause Fetal Malformations: Macroscopic, Skeletal and Physicochemical Finds. <i>Journal of Nutrition</i> , 1996, 126, 973-983.	2.9	10
52	Nutraceuticals: the link between nutrition and medicine. <i>Cutaneous and Ocular Toxicology</i> , 2002, 21, 9-30.	0.3	9
53	There's life in the old dog yet: vitamin C as a therapeutic option in endothelial dysfunction. <i>Critical Care</i> , 2014, 18, 461.	5.8	9
54	Climate Change Enhanced Carotenoid Pro-Vitamin A Levels of Selected Plantain Cultivars. <i>Plants</i> , 2020, 9, 541.	3.5	7

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55	Crystalloid lysozyme inclusions in Paneth cells of vitamin A-deficient rats. Cell and Tissue Research, 1990, 260, 625-628.	2.9	5
56	No evidence for prooxidative effects of homocysteine in vascular endothelial cells. European Journal of Nutrition, 2007, 46, 286-292.	3.9	4
57	Vitamin A Supplementation by Endotracheal Application of a Nano-encapsulated Preparation Is Feasible in Ventilated Preterm Lambs. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2018, 31, 323-330.	1.4	4
58	First International Conference on Hidden Hunger, Hohenheim, Stuttgart, Germany March 6 – 9, 2013. Food Security, 2013, 5, 457-473.	5.3	2
59	Chapter 31. The Importance of Vitamin A during Pregnancy and Childhood: Impact on Lung Function. Food and Nutritional Components in Focus, 2012, , 532-554.	0.1	0