

Marc Birringer

List of Publications by Year in descending order

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87
papers

7,196
citations

94433

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60623

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docs citations

95
times ranked

8811
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategic framing of genome editing in agriculture: an analysis of the debate in Germany in the run-up to the European Court of Justice ruling. <i>Agriculture and Human Values</i> , 2022, 39, 617-632.	3.0	6
2	Pesticide residues in food in the European Union: Analysis of notifications in the European Rapid Alert System for Food and Feed from 2002 to 2020. <i>Food Control</i> , 2022, 133, 108575.	5.5	23
3	Evaluation of specific import provisions for food products from third countries based on an analysis of RASFF notifications on pesticide residues. <i>Food Control</i> , 2022, 133, 108581.	5.5	8
4	The α -tocopherol-derived long-chain metabolite α -13 α -COOH mediates endotoxin tolerance and modulates the inflammatory response via MAPK and NF κ B pathways. <i>Free Radical Biology and Medicine</i> , 2022, 178, 83-96.	2.9	11
5	Bioeconomy and Genome Editing: A Comparison Between Germany and the Netherlands. , 2022, , 183-198.		3
6	Boron Contents of German Mineral and Medicinal Waters and Their Bioavailability in <i>Drosophila melanogaster</i> and Humans. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2100345.	3.3	6
7	Plasma Lithium Levels in the General Population: A Cross-Sectional Analysis of Metabolic and Dietary Correlates. <i>Nutrients</i> , 2020, 12, 2489.	4.1	12
8	Diversity of Chromanol and Chromenol Structures and Functions: An Emerging Class of Anti-Inflammatory and Anti-Carcinogenic Agents. <i>Frontiers in Pharmacology</i> , 2020, 11, 362.	3.5	13
9	Lithium Content of 160 Beverages and Its Impact on Lithium Status in <i>Drosophila melanogaster</i> . <i>Foods</i> , 2020, 9, 795.	4.3	11
10	The Putative Caloric Restriction Mimetic Resveratrol has Moderate Impact on Insulin Sensitivity, Body Composition, and the Metabolome in Mice. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1901116.	3.3	15
11	Lithium-Rich Mineral Water is a Highly Bioavailable Lithium Source for Human Consumption. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1900039.	3.3	19
12	The vitamin E derivative garcinoic acid from <i>Garcinia kola</i> nut seeds attenuates the inflammatory response. <i>Redox Biology</i> , 2019, 24, 101166.	9.0	27
13	Resveratrol, lunularin and dihydroresveratrol do not act as caloric restriction mimetics when administered intraperitoneally in mice. <i>Scientific Reports</i> , 2019, 9, 4445.	3.3	25
14	Bioactivity of Vitamin E Long-Chain Metabolites. , 2019, , 61-79.		0
15	History of Vitamin E Research. , 2019, , 7-18.		4
16	Bioavailability and Metabolism of Vitamin E. , 2019, , 31-41.		2
17	Occurrence and Bioactivities of Minor Vitamin E Derivatives. , 2019, , 43-60.		0
18	Vitamin E: Regulatory role of metabolites. <i>IUBMB Life</i> , 2019, 71, 479-486.	3.4	31

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19	Natural 6-hydroxy-chromanols and -chromenols: structural diversity, biosynthetic pathways and health implications. RSC Advances, 2018, 8, 4803-4841.	3.6	53
20	Warnmeldungen zu Lebensmittelkontaktmaterialien im Europäischen Schnellwarnsystem RASFF von 2012 bis 2017. Journal Fur Verbraucherschutz Und Lebensmittelsicherheit, 2018, 13, 347-357.	1.4	2
21	Resveratrol Modulates Desaturase Expression and Fatty Acid Composition of Cultured Hepatocytes. Frontiers in Nutrition, 2018, 5, 106.	3.7	13
22	Endogenous metabolites of vitamin E limit inflammation by targeting 5-lipoxygenase. Nature Communications, 2018, 9, 3834.	12.8	101
23	Long-Chain Metabolites of Vitamin E: Metabolic Activation as a General Concept for Lipid-Soluble Vitamins?. Antioxidants, 2018, 7, 10.	5.1	47
24	Long-chain metabolites of vitamin E: Interference with lipotoxicity via lipid droplet associated protein PLIN2. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 919-927.	2.4	15
25	Determination of tocopherols and their metabolites by liquid-chromatography coupled with tandem mass spectrometry in human plasma and serum. Talanta, 2017, 170, 552-561.	5.5	38
26	Enzyme activity, amino acid profiles and hydroxymethylfurfural content in Ethiopian monofloral honey. Journal of Food Science and Technology, 2017, 54, 2769-2778.	2.8	26
27	Sesquiterpene Lactone Composition and Cellular Nrf2 Induction of Taraxacum officinale Leaves and Roots and Taraxinic Acid Î²-d-Glucoopyranosyl Ester. Journal of Medicinal Food, 2017, 20, 71-78.	1.5	22
28	CYP4F2 repression and a modified alpha-tocopherol (vitamin E) metabolism are two independent consequences of ethanol toxicity in human hepatocytes. Toxicology in Vitro, 2017, 40, 124-133.	2.4	10
29	Structure-Function Relationship Studies In Vitro Reveal Distinct and Specific Effects of Long-Chain Metabolites of Vitamin E. Molecular Nutrition and Food Research, 2017, 61, 1700562.	3.3	21
30	Garcinia kola - African ethno medication with anti-atherosclerotic effects?. Free Radical Biology and Medicine, 2017, 108, S33.	2.9	0
31	Vitamin E: Emerging aspects and new directions. Free Radical Biology and Medicine, 2017, 102, 16-36.	2.9	320
32	The long chain Î±-tocopherol metabolite Î±-13-TCOOH and Î³-tocotrienol induce P-glycoprotein expression and activity by activation of the pregnane X receptor in the intestinal cell line LS 180. Molecular Nutrition and Food Research, 2017, 61, 1600605.	3.3	29
33	Sugar profile and physicochemical properties of Ethiopian monofloral honey. International Journal of Food Properties, 2017, 20, 2855-2866.	3.0	32
34	Rheology and botanical origin of Ethiopian monofloral honey. LWT - Food Science and Technology, 2017, 75, 393-401.	5.2	30
35	Complexity of vitamin E metabolism. World Journal of Biological Chemistry, 2016, 7, 14.	4.3	157
36	Garcinoic Acid. Studies in Natural Products Chemistry, 2016, 51, 435-481.	1.8	7

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37	Near-Infrared Laser Scanning (NILS) to Differentiate Historical Inks, Deployed on a Stained and Faded Ninth-Century Fragment of Boethius Reused as Binding Material: Proving a Concept. <i>Restaurator</i> , 2016, 37, 1-13.	0.2	0
38	Analytical strategies to assess the functional metabolome of vitamin E. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 124, 399-412.	2.8	38
39	Î±-Tocopherol long-chain metabolite Î±-13 TM -COOH affects the inflammatory response of lipopolysaccharide-activated murine RAW264.7 macrophages. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1524-1534.	3.3	53
40	Human serum determination and in vitro anti-inflammatory activity of the vitamin E metabolite Î±-(13'-hydroxy)-6-hydroxychroman. <i>Free Radical Biology and Medicine</i> , 2015, 89, 952-962.	2.9	37
41	Influence of roasting conditions on health-related compounds in different nuts. <i>Food Chemistry</i> , 2015, 180, 77-85.	8.2	90
42	European Health Claims for Small and Medium-Sized Companies â€“ Utopian Dream or Future Reality?. <i>Functional Foods in Health and Disease</i> , 2015, 5, 44.	0.6	7
43	Regulation of inflammatory pathways by an Î±-tocopherol long-chain metabolite and a d-tocotrienol-related natural compound.. <i>Free Radical Biology and Medicine</i> , 2014, 75, S48.	2.9	6
44	Regulatory metabolites of vitamin E and their putative relevance for atherogenesis. <i>Redox Biology</i> , 2014, 2, 495-503.	9.0	75
45	Long-chain metabolites of Î±-tocopherol occur in human serum and inhibit macrophage foam cell formation in vitro. <i>Free Radical Biology and Medicine</i> , 2014, 68, 43-51.	2.9	54
46	The Need for a Legal Distinction of Nutraceuticals. <i>Food and Nutrition Sciences (Print)</i> , 2014, 05, 905-913.	0.4	9
47	Rice bran extract protects from mitochondrial dysfunction in guinea pig brains. <i>Pharmacological Research</i> , 2013, 76, 17-27.	7.1	58
48	Role of sirtuins in lifespan regulation is linked to methylation of nicotinamide. <i>Nature Chemical Biology</i> , 2013, 9, 693-700.	8.0	203
49	Î³-Hydroxylation of phylloquinone by CYP4F2 is not increased by Î±-tocopherol. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 1785-1793.	3.3	17
50	<i>In vitro</i> fermented nuts exhibit chemopreventive effects in HT29 colon cancer cells. <i>British Journal of Nutrition</i> , 2012, 108, 1177-1186.	2.3	28
51	Comparison of different selenocompounds with respect to nutritional value vs. toxicity using liver cells in culture. <i>Journal of Nutritional Biochemistry</i> , 2011, 22, 945-955.	4.2	102
52	Hormetics: Dietary Triggers of an Adaptive Stress Response. <i>Pharmaceutical Research</i> , 2011, 28, 2680-2694.	3.5	85
53	The Phytochemical Claucarubinone Promotes Mitochondrial Metabolism, Reduces Body Fat, and Extends Lifespan of <i>Caenorhabditis elegans</i>. <i>Hormone and Metabolic Research</i> , 2011, 43, 241-243.	1.5	38
54	Proapoptotic effects of long-chain vitamin E metabolites in HepG2 cells are mediated by oxidative stress. <i>Free Radical Biology and Medicine</i> , 2010, 49, 1315-1322.	2.9	83

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55	Analysis of vitamin E metabolites in biological specimen. <i>Molecular Nutrition and Food Research</i> , 2010, 54, 588-598.	3.3	25
56	Differential Effects of Resveratrol and SRT1720 on Lifespan of Adult <i>Caenorhabditis elegans</i> . <i>Hormone and Metabolic Research</i> , 2010, 42, 837-839.	1.5	43
57	Small Molecule Targeting of the Mitochondrial Compartment with an Endogenously Cleaved Reversible Tag. <i>ChemBioChem</i> , 2009, 10, 1689-1696.	2.6	48
58	Antioxidants prevent health-promoting effects of physical exercise in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8665-8670.	7.1	1,315
59	A Cell-based High-throughput Assay System Reveals Modulation of Oxidative and Nonoxidative Glucose Metabolism due to Commonly Used Organic Solvents. <i>Hormone and Metabolic Research</i> , 2008, 40, 29-37.	1.5	13
60	Bioactivation of Selenocysteine Derivatives by β -Lyases Present in Common Gastrointestinal Bacterial Species. <i>International Journal for Vitamin and Nutrition Research</i> , 2008, 78, 169-174.	1.5	9
61	A Peptide Conjugate of Vitamin E Succinate Targets Breast Cancer Cells with High ErbB2 Expression. <i>Cancer Research</i> , 2007, 67, 3337-3344.	0.9	84
62	Vitamin E Analogs, a Novel Group of Mitocans as Anticancer Agents: The Importance of Being Redox-Silent. <i>Molecular Pharmacology</i> , 2007, 71, 1185-1199.	2.3	131
63	Impaired respiration is positively correlated with decreased life span in <i>Caenorhabditis elegans</i> models of Friedreich Ataxia. <i>FASEB Journal</i> , 2007, 21, 1271-1275.	0.5	51
64	Glucose Restriction Extends <i>Caenorhabditis elegans</i> Life Span by Inducing Mitochondrial Respiration and Increasing Oxidative Stress. <i>Cell Metabolism</i> , 2007, 6, 280-293.	16.2	1,051
65	Improved glucose metabolism in mice lacking β -tocopherol transfer protein. <i>European Journal of Nutrition</i> , 2007, 46, 397-405.	3.9	12
66	Variable Expression of Cre Recombinase Transgenes Precludes Reliable Prediction of Tissue-Specific Gene Disruption by Tail-Biopsy Genotyping. <i>PLoS ONE</i> , 2007, 2, e1013.	2.5	29
67	Peptide microarrays with site-specifically immobilized synthetic peptides for antibody diagnostics. <i>Sensors and Actuators B: Chemical</i> , 2006, 113, 655-663.	7.8	16
68	Vitamin E Analogues: A New Class of Inducers of Apoptosis with Selective Anti-Cancer Effects. <i>Current Cancer Drug Targets</i> , 2004, 4, 355-372.	1.6	95
69	Vitamin E activates gene expression via the pregnane X receptor. <i>Biochemical Pharmacology</i> , 2003, 65, 269-273.	4.4	213
70	Trends in Selenium Biochemistry. <i>ChemInform</i> , 2003, 34, no.	0.0	1
71	Homologous metabolic and gene activating routes for vitamins E and K. <i>Molecular Aspects of Medicine</i> , 2003, 24, 337-344.	6.4	49
72	Vitamin E analogues as inducers of apoptosis: structure-function relation. <i>British Journal of Cancer</i> , 2003, 88, 1948-1955.	6.4	127

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73	Mechanisms of Vitamin E Metabolism. , 2003, , .		1
74	Identities and Differences in the Metabolism of Tocotrienols and Tocopherols in HepG2 Cells. Journal of Nutrition, 2002, 132, 3113-3118.	2.9	193
75	Anaerobic C-ring cleavage of genistein and daidzein by Eubacterium ramulus. FEMS Microbiology Letters, 2002, 208, 197-202.	1.8	132
76	Trends in selenium biochemistry. Natural Product Reports, 2002, 19, 693-718.	10.3	399
77	Anaerobic C-ring cleavage of genistein and daidzein by Eubacterium ramulus. FEMS Microbiology Letters, 2002, 208, 197-202.	1.8	8
78	Allium Chemistry: A Synthesis, Natural Occurrence, Biological Activity, and Chemistry of Se-Alk(en)ylselenocysteines and Their β -Glutamyl Derivatives and Oxidation Products. Journal of Agricultural and Food Chemistry, 2001, 49, 458-470.	5.2	70
79	Tocopherols are metabolized in HepG2 cells by side chain α -oxidation and consecutive β -oxidation. Free Radical Biology and Medicine, 2001, 31, 226-232.	2.9	162
80	Gas-Phase Photoelectron Spectroscopic and Theoretical Studies of 1,2-Dichalcogenins: A Ionization Energies, Orbital Assignments, and an Explanation of Their Color. Journal of the American Chemical Society, 2000, 122, 5065-5074.	13.7	27
81	Selenium speciation in enriched and natural samples by HPLC-ICP-MS and HPLC-ESI-MS with perfluorinated carboxylic acid ion-pairing agents. Analyst, The, 2000, 125, 71-78.	3.5	233
82	Chemical Speciation Influences Comparative Activity of Selenium-Enriched Garlic and Yeast in Mammary Cancer Prevention. Journal of Agricultural and Food Chemistry, 2000, 48, 2062-2070.	5.2	268
83	Synthesis, Properties, Oxidation, and Electrochemistry of 1,2-Dichalcogenins. Journal of the American Chemical Society, 2000, 122, 5052-5064.	13.7	67
84	1,2-Dichalcogenins: Simple Syntheses of 1,2-Diselenins, 1,2-Dithiins, and 2-Selenathiin. Angewandte Chemie - International Edition, 1999, 38, 1604-1607.	13.8	58
85	Identification of the principal selenium compounds in selenium-enriched natural sample extracts by ion-pair liquid chromatography with inductively coupled plasma- and electrospray ionization-mass spectrometric detection. Analytical Communications, 1999, 36, 249-252.	2.2	112
86	The Hepatic Fate of Vitamin E. , 0, , .		4
87	Development of Peptide Chips for Biomedical Applications. , 0, 2004, .		0