Monika C Schreiner

List of Publications by Year
in descending order

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177 papers	7,760 citations	38720 50 h-index	69214 77 g-index
179 all docs	179 docs citations	179 times ranked	7639 citing authors

#	Article	IF	Citations
1	Feeding Brassica vegetables to rats leads to the formation of characteristic DNA adducts (from) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.9	1
2	Impact of Cultivar Selection and Thermal Processing by Air Drying, Air Frying, and Deep Frying on the Carotenoid Content and Stability and Antioxidant Capacity in Carrots (Daucus carota L.). Journal of Agricultural and Food Chemistry, 2022, 70, 1629-1639.	2.4	5
3	The Life with Corona survey. Social Science and Medicine, 2022, 306, 115109.	1.8	3
4	Allyl Isothiocyanate: A TAS2R38 Receptor-Dependent Immune Modulator at the Interface Between Personalized Medicine and Nutrition. Frontiers in Immunology, 2021, 12, 669005.	2.2	12
5	Integrated proteomic and metabolomic analyses reveal the importance of aroma precursor accumulation and storage in methyl jasmonate-primed tea leaves. Horticulture Research, 2021, 8, 95.	2.9	25
6	Subsequent treatment of leafy vegetables with low doses of UVB-radiation does not provoke cytotoxicity, genotoxicity, or oxidative stress in a human liver cell model. Food Bioscience, 2021, 43, 101327.	2.0	8
7	Aqueous and gaseous plasma applications for the treatment of mung bean seeds. Scientific Reports, 2021, 11, 19681.	1.6	10
8	Utilization of Regional Natural Brines for the Indoor Cultivation of Salicornia europaea. Sustainability, 2021, 13, 12105.	1.6	11
9	Importance of Antixenosis and Antibiosis Resistance to the Cabbage Whitefly (Aleyrodes proletella) in Brussels Sprout Cultivars. Insects, 2020, 11, 56.	1.0	13
10	Ultraviolet-B radiation exposure lowers the antioxidant capacity in the Arabidopsis thaliana pdx1.3-1 mutant and leads to glucosinolate biosynthesis alteration in both wild type and mutant. Photochemical and Photobiological Sciences, 2020, 19, 217-228.	1.6	5
11	Sustainable food protein supply reconciling human and ecosystem health: A Leibniz Position. Global Food Security, 2020, 25, 100367.	4.0	41
12	Blue Light Treatment but Not Green Light Treatment After Pre-exposure to UV-B Stabilizes Flavonoid Glycoside Changes and Corresponding Biological Effects in Three Different Brassicaceae Sprouts. Frontiers in Plant Science, 2020, 11, 611247.	1.7	9
13	Effect of UV-B radiation on morphology, phenolic compound production, gene expression, and subsequent drought stress responses in chili pepper (Capsicum annuum L.). Plant Physiology and Biochemistry, 2019, 134, 94-102.	2.8	86
14	Narrow-Banded UVB Affects the Stability of Secondary Plant Metabolites in Kale (Brassica oleracea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Approach for Producing Functional Foods. Foods, 2019, 8, 427.	1.9	12
15	Methyl Jasmonate-Induced Changes of Flavor Profiles During the Processing of Green, Oolong, and Black Tea. Frontiers in Plant Science, 2019, 10, 781.	1.7	27
16	Boiling and steaming induced changes in secondary metabolites in three different cultivars of pak choi (Brassica rapa subsp. chinensis). Journal of Food Composition and Analysis, 2019, 82, 103232.	1.9	14
17	Brassica-enriched wheat bread: Unraveling the impact of ontogeny and breadmaking on bioactive secondary plant metabolites of pak choi and kale. Food Chemistry, 2019, 295, 412-422.	4.2	28
18			

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19	1-Methoxy-3-indolylmethyl DNA adducts in six tissues, and blood protein adducts, in mice under pak choi diet: time course and persistence. Archives of Toxicology, 2019, 93, 1515-1527.	1.9	5
20	Flavonoid Glycosides and Hydroxycinnamic Acid Derivatives in Baby Leaf Rapeseed From White and Yellow Flowering Cultivars With Repeated Harvest in a 2-Years Field Study. Frontiers in Plant Science, 2019, 10, 355.	1.7	22
21	Amaranthâ€™s 2-Caffeoylisocitric Acidâ€"An Anti-Inflammatory Caffeic Acid Derivative That Impairs NF-ÎºB Signaling in LPS-Challenged RAW 264.7 Macrophages. Nutrients, 2019, 11, 571.	1.7	16
22	An arbuscular mycorrhizal fungus and a root pathogen induce different volatiles emitted by Medicago truncatula roots. Journal of Advanced Research, 2019, 19, 85-90.	4.4	21
23	Short-Term Dietary Intervention with Cooked but Not Raw Brassica Leafy Vegetables Increases Telomerase Activity in CD8+ Lymphocytes in a Randomized Human Trial. Nutrients, 2019, 11, 786.	1.7	10
24	Light quality-induced changes of carotenoid composition in pak choi Brassica rapa ssp. chinensis. Journal of Photochemistry and Photobiology B: Biology, 2019, 193, 18-30.	1.7	42
25			

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37	Effects of Amaranthus cruentus L. on aflatoxin B1- and oxidative stress-induced DNA damage in human liver (HepG2) cells. Food Bioscience, 2018, 26, 42-48.	2.0	15
38	African Nightshade (Solanum scabrum Mill.): Impact of Cultivation and Plant Processing on Its Health Promoting Potential as Determined in a Human Liver Cell Model. Nutrients, 2018, 10, 1532.	1.7	17
39	Dietary advanced glycation end products and their relevance for human health. Ageing Research Reviews, 2018, 47, 55-66.	5.0	162
40	Carotenoid biosynthesis of pak choi (Brassica rapa ssp. chinensis) sprouts grown under different light-emitting diodes during the diurnal course. Photochemical and Photobiological Sciences, 2018, 17, 1289-1300.	1.6	23
41	Effect of Solid Biological Waste Compost on the Metabolite Profile of Brassica rapa ssp. chinensis. Frontiers in Plant Science, 2018, 9, 305.	1.7	13
42	Bread Enriched With Legume Microgreens and Leavesâ€"Ontogenetic and Baking-Driven Changes in the Profile of Secondary Plant Metabolites. Frontiers in Chemistry, 2018, 6, 322.	1.8	32
43	Diverse Excretion Pathways of Benzyl Glucosinolate in Humans after Consumption of Nasturtium (Tropaeolum majus L.)â€"A Pilot Study. Molecular Nutrition and Food Research, 2018, 62, e1800588.	1.5	13
44	Plant growth-promoting bacteria Kosakonia radicincitans mediate anti-herbivore defense in Arabidopsis thaliana. Planta, 2018, 248, 1383-1392.	1.6	35
45	In Vitro Determination of Protein Conjugates in Human Cells by LC-ESI-MS/MS after Benzyl Isothiocyanate Exposure. Journal of Agricultural and Food Chemistry, 2018, 66, 6727-6733.	2.4	9
46	Optimizing isothiocyanate formation during enzymatic glucosinolate breakdown by adjusting pH value, temperature and dilution in Brassica vegetables and Arabidopsis thaliana. Scientific Reports, 2017, 7, 40807.	1.6	84
47	The role of plant processing for the cancer preventive potential of Ethiopian kale (Brassica carinata). Food and Nutrition Research, 2017, 61, 1271527.	1.2	44
48	Indigenous leafy vegetables of Eastern Africa â€" A source of extraordinary secondary plant metabolites. Food Research International, 2017, 100, 411-422.	2.9	88
49	Metabolic profiling of glucosinolates and their hydrolysis products in a germplasm collection of Brassica rapa turnips. Food Research International, 2017, 100, 392-403.	2.9	57
50	Chlorogenic acid versus amaranth's caffeoylisocitric acid â€" Gut microbial degradation of caffeic acid derivatives. Food Research International, 2017, 100, 375-384.	2.9	30
51	Oral administration of nasturtium affects peptide YY secretion in male subjects. Molecular Nutrition and Food Research, 2017, 61, 1600886.	1.5	5
52	Nutritional Quality of Plants for Food and Fodder. , 2017, , 285-291.		5
53	Morphology and glucosinolate profiles of chimeric Brassica and the responses of Bemisia tabaci in host selection, oviposition and development. Journal of Integrative Agriculture, 2017, 16, 2009-2018.	1.7	2
54	Environmental plasticity of Pinot noir grapevine leaves: A transâ€European study of morphological and biochemical changes along a 1,500â€km latitudinal climatic gradient. Plant, Cell and Environment, 2017, 40, 2790-2805.	2.8	34

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55	Arabidopsis thaliana root and root exudate metabolism is altered by the growth-promoting bacterium Kosakonia radicincitans DSM 16656T. Plant and Soil, 2017, 419, 557-573.	1.8	24
56	Nutritional compound analysis and morphological characterization of spider plant (Cleome) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 T	2.9	45
57	A Proteomic Approach Suggests Unbalanced Proteasome Functioning Induced by the Growth-Promoting Bacterium Kosakonia radicincitans in Arabidopsis. Frontiers in Plant Science, 2017, 8, 661.	1.7	11
58	Isothiocyanates, Nitriles, and Epithionitriles from Glucosinolates Are Affected by Genotype and Developmental Stage in Brassica oleracea Varieties. Frontiers in Plant Science, 2017, 8, 1095.	1.7	108
59	Mechanisms of Selenium Enrichment and Measurement in Brassicaceous Vegetables, and Their Application to Human Health. Frontiers in Plant Science, 2017, 8, 1365.	1.7	87
60	Intercropping Induces Changes in Specific Secondary Metabolite Concentration in Ethiopian Kale (Brassica carinata) and African Nightshade (Solanum scabrum) under Controlled Conditions. Frontiers in Plant Science, 2017, 8, 1700.	1.7	20
61	Evaluation of an Aqueous Extract from Horseradish Root (Armoracia rusticanaRadix) against Lipopolysaccharide-Induced Cellular Inflammation Reaction. Evidence-based Complementary and Alternative Medicine, 2017, 2017, 1-10.	0.5	18
62	Can narrow-bandwidth light from UV-A to green alter secondary plant metabolism and increase Brassica plant defenses against aphids?. PLoS ONE, 2017, 12, e0188522.	1.1	22
63	Comparative Evaluation of Total Antioxidant Capacities of Plant Polyphenols. Molecules, 2016, 21, 208.	1.7	146
64	Benzylglucosinolate Derived Isothiocyanate from Tropaeolum majus Reduces Gluconeogenic Gene and Protein Expression in Human Cells. PLoS ONE, 2016, 11, e0162397.	1.1	28
65	Metabolite Profiling Reveals a Specific Response in Tomato to Predaceous Chrysoperla carnea Larvae and Herbivore(s)-Predator Interactions with the Generalist Pests Tetranychus urticae and Myzus persicae. Frontiers in Plant Science, 2016, 7, 1256.	1.7	12
66	Bioavailability and metabolism of benzyl glucosinolate in humans consuming Indian cress (Tropaeolum majus L.). Molecular Nutrition and Food Research, 2016, 60, 652-660.	1.5	16
67	Are Neglected Plants the Food for the Future?. Critical Reviews in Plant Sciences, 2016, 35, 106-119.	2.7	149
68	Nasturtium (Indian cress, Tropaeolum majus nanum) dually blocks the COX and LOX pathway in primary human immune cells. Phytomedicine, 2016, 23, 611-620.	2.3	22
69	Effects of biofumigation using Brassica juncea and Raphanus sativus in comparison to disinfection using Basamid on apple plant growth and soil microbial communities at three field sites with replant disease. Plant and Soil, 2016, 406, 389-408.	1.8	45
70	Different Narrow-Band Light Ranges Alter Plant Secondary Metabolism and Plant Defense Response to Aphids. Journal of Chemical Ecology, 2016, 42, 989-1003.	0.9	26
71	Effects of light-emitting diode treatments on Brevicoryne brassicae performance mediated by secondary metabolites in Brussels sprouts. Journal of Plant Diseases and Protection, 2016, 123, 321-330.	1.6	16
72	Rhizosecretion of stele-synthesized glucosinolates and their catabolites requires GTR-mediated import in Arabidopsis. Journal of Experimental Botany, 2016, 68, erw355.	2.4	35

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73	Cytotoxic and genotoxic potential of food-borne nitriles in a liver in vitro model. Scientific Reports, 2016, 6, 37631.	1.6	31
74	Characteristic single glucosinolates from Moringa oleifera: Induction of detoxifying enzymes and lack of genotoxic activity in various model systems. Food and Function, 2016, 7, 4660-4674.	2.1	10
75	Environmental Factors Correlated with the Metabolite Profile of Vitis vinifera cv. Pinot Noir Berry Skins along a European Latitudinal Gradient. Journal of Agricultural and Food Chemistry, 2016, 64, 8722-8734.	2.4	52
76	Nitrogen split dose fertilization, plant age and frost effects on phytochemical content and sensory properties of curly kale (Brassica oleracea L. var. sabellica). Food Chemistry, 2016, 197, 530-538.	4.2	25
77	UV-B Elicitation of Secondary Plant Metabolites. Springer Series in Materials Science, 2016, , 387-414.	0.4	9
78	The Brassica epithionitrile 1â€cyanoâ€2,3â€epithiopropane triggers cell death in human liver cancer cells in vitro. Molecular Nutrition and Food Research, 2015, 59, 2178-2189.	1.5	41
79	Recent progress in the use of Ã¢â‚¬Ëœomics technologies in brassicaceous vegetables. Frontiers in Plant Science, 2015, 6, 244.	1.7	30
80	Verticillium longisporum infection induces organ-specific glucosinolate degradation in Arabidopsis thaliana. Frontiers in Plant Science, 2015, 6, 508.	1.7	29
81	Pheromone Blend Analysis and Cross-Attraction among Populations of Maruca vitrata from Asia and West Africa. Journal of Chemical Ecology, 2015, 41, 1155-1162.	0.9	12
82	K. radicincitans, a beneficial bacteria that promotes radish growth under field conditions. Agronomy for Sustainable Development, 2015, 35, 1521-1528.	2.2	39
83	Bioavailability and biotransformation of sulforaphane and erucin metabolites in different biological matrices determined by LCâ€"MSâ€"MS. Analytical and Bioanalytical Chemistry, 2015, 407, 1819-1829.	1.9	24
84	Ecotype Variability in Growth and Secondary Metabolite Profile in Moringa oleifera: Impact of Sulfur and Water Availability. Journal of Agricultural and Food Chemistry, 2015, 63, 2852-2861.	2.4	54
85	Impact of cold atmospheric pressure plasma on physiology and flavonol glycoside profile of peas (Pisum sativum â€˜Salamancaâ€™). Food Research International, 2015, 76, 132-141.	2.9	67
86	Identification of complex, naturally occurring flavonoid glycosides in Vicia faba and Pisum sativum leaves by HPLC-DAD-ESI-MSn and the genotypic effect on their flavonoid profile. Food Research International, 2015, 76, 114-121.	2.9	59
87	Single- versus Multiple-Pest Infestation Affects Differently the Biochemistry of Tomato (Solanum) Tj ETQq1 1 0.784314 rgBT /Over	2.4	42
88	Identification of novel saponins in vegetable amaranth and characterization of their hemolytic activity. Food Research International, 2015, 78, 361-368.	2.9	21
89	Interactive effects of arbuscular mycorrhizal fungi and intercropping with sesame (Sesamum indicum) on the glucosinolate profile in broccoli (Brassica oleracea var. Italica). Environmental and Experimental Botany, 2015, 109, 288-295.	2.0	18
90	Metabolic Engineering of Aliphatic Glucosinolates in Hairy Root Cultures of Arabidopsis thaliana. Plant Molecular Biology Reporter, 2015, 33, 598-608.	1.0	12

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91	Development of a reliable extraction and quantification method for glucosinolates in Moringa oleifera. Food Chemistry, 2015, 166, 456-464.	4.2	63
92	Degradation of Biofumigant Isothiocyanates and Allyl Glucosinolate in Soil and Their Effects on the Microbial Community Composition. PLoS ONE, 2015, 10, e0132931.	1.1	56
93	A secondary metabolite of Brassicales, 1-methoxy-3-indolylmethyl glucosinolate, as well as its degradation product, 1-methoxy-3-indolylmethyl alcohol, forms DNA adducts in the mouse, but in varying tissues and cells. Archives of Toxicology, 2014, 88, 823-36.	1.9	17
94	Influence of Cultivar and Fertilizer Approach on Curly Kale (Brassica oleracea L. var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td Concentration. Journal of Agricultural and Food Chemistry, 2014, 62, 11393-11402.	2.4	19
95	High mutagenic activity of juice from pak choi (Brassica rapa ssp. chinensis) sprouts due to its content of 1-methoxy-3-indolylmethyl glucosinolate, and its enhancement by elicitation with methyl jasmonate. Food and Chemical Toxicology, 2014, 67, 10-16.	1.8	36
96	Topsoil drying combined with increased sulfur supply leads to enhanced aliphatic glucosinolates in Brassica juncea leaves and roots. Food Chemistry, 2014, 152, 190-196.	4.2	34
97	Unlike Quercetin Glycosides, Cyanidin Glycoside in Red Leaf Lettuce Responds More Sensitively to Increasing Low Radiation Intensity before than after Head Formation Has Started. Journal of Agricultural and Food Chemistry, 2014, 62, 6911-6917.	2.4	31
98	The influence of selenium addition during germination ofBrassicaseeds on health-promoting potential of sprouts. International Journal of Food Sciences and Nutrition, 2014, 65, 692-702.	1.3	36
99	Singlet oxygen scavenging by leaf flavonoids contributes to sunlight acclimation in Tilia platyphyllos. Environmental and Experimental Botany, 2014, 100, 1-9.	2.0	71
100	UVâ€B Induced Secondary Plant Metabolites. Optik & Photonik, 2014, 9, 34-37.	0.3	84
101	Reactivity and Stability of Glucosinolates and Their Breakdown Products in Foods. Angewandte Chemie - International Edition, 2014, 53, 11430-11450.	7.2	255
102	Interaction of Moderate UV-B Exposure and Temperature on the Formation of Structurally Different Flavonol Glycosides and Hydroxycinnamic Acid Derivatives in Kale (Brassica oleracea var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 29	2.4	15
103	Functional identification of genes responsible for the biosynthesis of 1-methoxy-indol-3-ylmethyl-glucosinolate in Brassica rapa ssp. chinensis. BMC Plant Biology, 2014, 14, 124.	1.6	15
104	Glucosinolates from pak choi and broccoli induce enzymes and inhibit inflammation and colon cancer differently. Food and Function, 2014, 5, 1073-1081.	2.1	70
105	Post-harvest UV-B irradiation induces changes of phenol contents and corresponding biosynthetic gene expression in peaches and nectarines. Food Chemistry, 2014, 163, 51-60.	4.2	75
106	Determination of benzyl isothiocyanate metabolites in human plasma and urine by LC-ESI-MS/MS after ingestion of nasturtium (Tropaeolum majus L.). Analytical and Bioanalytical Chemistry, 2013, 405, 7427-7436.	1.9	24
107	Effects of single and mixed inoculation with two arbuscular mycorrhizal fungi in two different levels of phosphorus supply on Î²-carotene concentrations in sweet potato (Ipomoea batatas L.) tubers. Plant and Soil, 2013, 372, 361-374.	1.8	12
108	Hairy roots, callus, and mature plants of Arabidopsis thaliana exhibit distinct glucosinolate and gene expression profiles. Plant Cell, Tissue and Organ Culture, 2013, 115, 45-54.	1.2	15

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109	Determination of bioactive, free isothiocyanates from a glucosinolate-containing phytotherapeutic agent: A pilot study with in vitro models and human intervention. FÃ¬toterapÃ¬Ã¢, 2013, 85, 25-34.	1.1	11
110	The hydroxycinnamic acid content of barley and brewersâ€™ spent grain (BSG) and the potential to incorporate phenolic extracts of BSG as antioxidants into fruit beverages. Food Chemistry, 2013, 141, 2567-2574.	4.2	91
111	Low and moderate photosynthetically active radiation affects the flavonol glycosides and hydroxycinnamic acid derivatives in kale (Brassica oleracea var. sabellica) dependent on two low temperatures. Plant Physiology and Biochemistry, 2013, 72, 161-168.	2.8	22
112	Genotypic Variation of the Glucosinolate Profile in Pak Choi (Brassica rapa ssp. chinensis). Journal of Agricultural and Food Chemistry, 2013, 61, 1943-1953.	2.4	74
113	Thermal-induced changes of kaleâ€™s antioxidant activity analyzed by HPLCâ€“UV/Vis-online-TEAC detection. Food Chemistry, 2013, 138, 857-865.	4.2	39
114	Current understanding and use of quality characteristics of horticulture products. Scientia Horticulturae, 2013, 163, 63-69.	1.7	61
115	Induced Production of 1-Methoxy-indol-3-ylmethyl Glucosinolate by Jasmonic Acid and Methyl Jasmonate in Sprouts and Leaves of Pak Choi (Brassica rapa ssp. chinensis). International Journal of Molecular Sciences, 2013, 14, 14996-15016.	1.8	67
116	Verticillium Suppression Is Associated with the Glucosinolate Composition of Arabidopsis thaliana Leaves. PLoS ONE, 2013, 8, e71877.	1.1	43
117	Mixed cropping with maize combined with moderate UV-B radiations lead to enhanced flavonoid production and root growth in faba bean. Journal of Plant Interactions, 2012, 7, 333-340.	1.0	13
118	UV-B Irradiation Changes Specifically the Secondary Metabolite Profile in Broccoli Sprouts: Induced Signaling Overlaps with Defense Response to Biotic Stressors. Plant and Cell Physiology, 2012, 53, 1546-1560.	1.5	201
119	Developing Pheromone Traps and Lures for Maruca vitrata in Taiwan. Gesunde Pflanzen, 2012, 64, 183-186.	1.7	17
120	Characterization of Products from the Reaction of Glucosinolate-Derived Isothiocyanates with Cysteine and Lysine Derivatives Formed in Either Model Systems or Broccoli Sprouts. Journal of Agricultural and Food Chemistry, 2012, 60, 7735-7745.	2.4	73
121	Thermally Induced Degradation of Aliphatic Glucosinolates: Identification of Intermediary Breakdown Products and Proposed Degradation Pathways. Journal of Agricultural and Food Chemistry, 2012, 60, 9890-9899.	2.4	47
122	Highly glycosylated and acylated flavonols isolated from kale (Brassica oleracea var. sabellica) â€" Structureâ€"antioxidant activity relationship. Food Research International, 2012, 47, 80-89.	2.9	53
123	Effect of Differential N and S Competition in Inter- and Sole Cropping of Brassica Species and Lettuce on Glucosinolate Concentration. Journal of Agricultural and Food Chemistry, 2012, 60, 6268-6278.	2.4	17
124	UV-B-Induced Secondary Plant Metabolites - Potential Benefits for Plant and Human Health. Critical Reviews in Plant Sciences, 2012, 31, 229-240.	2.7	222
125	Thermally Induced Degradation of Sulfur-Containing Aliphatic Glucosinolates in Broccoli Sprouts (Brassica oleracea var. italica) and Model Systems. Journal of Agricultural and Food Chemistry, 2012, 60, 2231-2241.	2.4	52
126	Water Stress and Aphid Feeding Differentially Influence Metabolite Composition in Arabidopsis thaliana (L.). PLoS ONE, 2012, 7, e48661.	1.1	128

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127	Influence of the chemical structure on the thermal degradation of the glucosinolates in broccoli sprouts. Food Chemistry, 2012, 130, 1-8.	4.2	71
128	Structurally different flavonol glycosides and hydroxycinnamic acid derivatives respond differently to moderate UVâ€B radiation exposure. Physiologia Plantarum, 2012, 145, 582-593.	2.6	69
129	UV responses of Lolium perenne raised along a latitudinal gradient across Europe: a filtration study. Physiologia Plantarum, 2012, 145, 604-618.	2.6	17
130	Uptake of the cyanobacterial toxin cylindrospermopsin in Brassica vegetables. Food Chemistry, 2012, 133, 875-879.	4.2	44
131	The effect of temperature and radiation on flavonol aglycones and flavonol glycosides of kale (Brassica oleracea var. sabellica). Food Chemistry, 2012, 133, 1456-1465.	4.2	46
132	Responses of Arabidopsis thaliana plant lines differing in hydroxylation of aliphatic glucosinolate side chains to feeding of a generalist and specialist caterpillar. Plant Physiology and Biochemistry, 2012, 55, 52-59.	2.8	23
133	Phytochemical Changes Induced by Different Nitrogen Supply Forms and Radiation Levels in Two Leafy Brassica Species. Journal of Agricultural and Food Chemistry, 2011, 59, 4198-4207.	2.4	63
134	Enhanced Glucosinolates in Root Exudates of Brassica rapa ssp. rapa Mediated by Salicylic Acid and Methyl Jasmonate. Journal of Agricultural and Food Chemistry, 2011, 59, 1400-1405.	2.4	82
135	1-Methoxy-3-indolylmethyl glucosinolate; a potent genotoxicant in bacterial and mammalian cells: Mechanisms of bioactivation. Chemico-Biological Interactions, 2011, 192, 81-86.	1.7	40
136	Impact of hydroxylated and non-hydroxylated aliphatic glucosinolates in Arabidopsis thaliana crosses on plant resistance against a generalist and a specialist herbivore. Chemoecology, 2011, 21, 171-180.	0.6	14
137	Identification of glucosinolate congeners able to form DNA adducts and to induce mutations upon activation by myrosinase. Molecular Nutrition and Food Research, 2011, 55, 783-792.	1.5	50
138	IMPROVING LEVELS OF BIOACTIVE COMPOUNDS IN BRASSICA VEGETABLES BY CROP MANAGEMENT STRATEGIES. Acta Horticulturae, 2010, , 37-48.	0.1	15
139	UV-B AND GAMMA IRRADIATION AS PHYSICAL ELICITORS TO PROMOTE PHYTOCHEMICALS IN BRASSICA SPROUTS. Acta Horticulturae, 2010, , 37-41.	0.1	3
140	GLUCOSINOLATES IN CRUCIFER SPECIES AFFECTED BY POSTHARVEST ELICITORS Ã¢Â€Â“ ALTERED GAS COMPOSITIONS AND UV-B IRRADIATION. Acta Horticulturae, 2010, , 53-60.	0.1	0
141	A process-oriented and stochastic simulation model for asparagus spear growth and yield. European Journal of Agronomy, 2010, 32, 195-204.	1.9	5
142	Genotypic and climatic influences on the concentration and composition of flavonoids in kale (Brassica oleracea var. sabellica). Food Chemistry, 2010, 119, 1293-1299.	4.2	106
143	Identification of complex, naturally occurring flavonoid glycosides in kale (Brassica oleracea) Tj ETQq1 1 0.784314 rgBT /Overlo ionization multiâ€stage mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 2009-2022.	0.7	105
144	Atmospheric Carbon Dioxide Changes Photochemical Activity, Soluble Sugars and Volatile Levels in Broccoli (Brassica oleraceavar.italica). Journal of Agricultural and Food Chemistry, 2010, 58, 3747-3752.	2.4	22

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145	Genotypic and Climatic Influence on the Antioxidant Activity of Flavonoids in Kale (Brassica oleracea) Tj ETQq1 1 0.784314 rgBT /Overlo	2.4	99
146	Interaction between Plants and Bacteria: Glucosinolates and Phyllospheric Colonization of Cruciferous Vegetables by Enterobacter radicincitans DSM 16656. Journal of Molecular Microbiology and Biotechnology, 2009, 17, 124-135.	1.0	30
147	Effect of nitrogen form and radiation on growth and mineral concentration of two Brassica species. Scientia Horticulturae, 2009, 123, 170-177.	1.7	22
148	Short-term and moderate UV-B radiation effects on secondary plant metabolism in different organs of nasturtium (Tropaeolum majus L.). Innovative Food Science and Emerging Technologies, 2009, 10, 93-96.	2.7	84
149	Glucosinolates inBrassicavegetables: The influence of the food supply chain on intake, bioavailability and human health. Molecular Nutrition and Food Research, 2009, 53, S219.	1.5	490
150	Ontogenetic Changes of 2-Propenyl and 3-Indolylmethyl Glucosinolates in Brassica carinata Leaves as Affected by Water Supply. Journal of Agricultural and Food Chemistry, 2009, 57, 7259-7263.	2.4	85
151	COMPOSITION OF CAROTENOIDS IN TOMATO FRUITS AS AFFECTED BY MODERATE UV-B RADIATION BEFORE HARVEST. Acta Horticulturae, 2009, , 217-222.	0.1	14
152	Composition of the Phyllospheric Microbial Populations on Vegetable Plants with Different Glucosinolate and Carotenoid Compositions. Microbial Ecology, 2008, 56, 364-372.	1.4	36
153	Water supply and growing season influence glucosinolate concentration and composition in turnip root (Brassica rapa ssp. rapifera L.). Journal of Plant Nutrition and Soil Science, 2008, 171, 255-265.	1.1	66
154	Influence of salicylic acid and methyl jasmonate on glucosinolate levels in turnip. Journal of Horticultural Science and Biotechnology, 2007, 82, 690-694.	0.9	25
155	Glucosinolate Concentration in Turnip (Brassica rapa ssp. rapifera L.) Roots as Affected by Nitrogen and Sulfur Supply. Journal of Agricultural and Food Chemistry, 2007, 55, 8452-8457.	2.4	81
156	Changes of Glucosinolates in Mixed Fresh-Cut Broccoli and Cauliflower Florets in Modified Atmosphere Packaging. Journal of Food Science, 2007, 72, S585-S589.	1.5	34
157	Effect of temperature increase under low radiation conditions on phytochemicals and ascorbic acid in greenhouse grown broccoli. Agriculture, Ecosystems and Environment, 2007, 119, 103-111.	2.5	92
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