

# Kirsten Brandt

## List of Publications by Year in descending order

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75  
papers

3,343  
citations

172207

29  
h-index

143772

57  
g-index

76  
all docs

76  
docs citations

76  
times ranked

4563  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of a Vitamin D and Leucine-Enriched Whey Protein Nutritional Supplement on Measures of Sarcopenia in Older Adults, the PROVIDE Study: A Randomized, Double-Blind, Placebo-Controlled Trial. <i>Journal of the American Medical Directors Association</i> , 2015, 16, 740-747.	1.2	485
2	Bioactive polyacetylenes in food plants of the Apiaceae family: Occurrence, bioactivity and analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 41, 683-693.	1.4	325
3	Organic agriculture: does it enhance or reduce the nutritional value of plant foods?. <i>Journal of the Science of Food and Agriculture</i> , 2001, 81, 924-931.	1.7	308
4	Agroecosystem Management and Nutritional Quality of Plant Foods: The Case of Organic Fruits and Vegetables. <i>Critical Reviews in Plant Sciences</i> , 2011, 30, 177-197.	2.7	194
5	Nutritional status, body composition, and quality of life in community-dwelling sarcopenic and non-sarcopenic older adults: A case-control study. <i>Clinical Nutrition</i> , 2017, 36, 267-274.	2.3	182
6	Health promoting compounds in vegetables and fruits. <i>Trends in Food Science and Technology</i> , 2004, 15, 384-393.	7.8	116
7	Inhibitory Effects of Feeding with Carrots or (âˆ”)-Falcarinol on Development of Azoxymethane-Induced Preneoplastic Lesions in the Rat Colon. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 1823-1827.	2.4	114
8	Sufficient levels of 25-hydroxyvitamin D and protein intake required to increase muscle mass in sarcopenic older adults â€” The PROVIDE study. <i>Clinical Nutrition</i> , 2018, 37, 551-557.	2.3	101
9	Beetroot supplementation lowers daily systolic blood pressure in older, overweight subjects. <i>Nutrition Research</i> , 2014, 34, 868-875.	1.3	96
10	Flower pigment composition of <i>Crocus</i> species and cultivars used for a chemotaxonomic investigation. <i>Biochemical Systematics and Ecology</i> , 2002, 30, 763-791.	0.6	76
11	Effects of Bioactive Compounds from Carrots ( <i>Daucus carota</i> L.), Polyacetylenes, Beta-Carotene and Lutein on Human Lymphoid Leukaemia Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2012, 12, 640-652.	0.9	72
12	Content of carotenoids in commonly consumed Asian vegetables and stability and extractability during frying. <i>Journal of Food Composition and Analysis</i> , 2006, 19, 562-571.	1.9	67
13	Data-driven strategy for the discovery of potential urinary biomarkers of habitual dietary exposure. <i>American Journal of Clinical Nutrition</i> , 2013, 97, 377-389.	2.2	61
14	FlavoneC-Glycoside, Phenolic Acid, and Nitrogen Contents in Leaves of Barley Subject to Organic Fertilization Treatments. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 809-813.	2.4	57
15	Effects of a beetroot juice with high neobetanin content on the early-phase insulin response in healthy volunteers. <i>Journal of Nutritional Science</i> , 2014, 3, e9.	0.7	57
16	Comparison of silicate minerals as sources of potassium for plant nutrition in sandy soil. <i>European Journal of Soil Science</i> , 2014, 65, 653-662.	1.8	54
17	Identification of FlavoneC-Glycosides Including a New Flavonoid Chromophore from Barley Leaves ( <i>Hordeum vulgare</i> L.) by Improved NMR Techniques. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 1703-1707.	2.4	52
18	Thirteen weeks of supplementation of vitamin D and leucine-enriched whey protein nutritional supplement attenuates chronic low-grade inflammation in sarcopenic older adults: the PROVIDE study. <i>Aging Clinical and Experimental Research</i> , 2019, 31, 845-854.	1.4	52

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19	Hydroxylated phenylacetamides derived from bioactive benzoxazinoids are bioavailable in humans after habitual consumption of whole grain sourdough rye bread. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 1859-1873.	1.5	48
20	Ageing modifies the effects of beetroot juice supplementation on 24-hour blood pressure variability: An individual participant meta-analysis. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 47, 97-105.	1.2	47
21	Long-term effects of thidiazuron are intermediate between benzyladenine, kinetin or isopentenyladenine in <i>Miscanthus sinensis</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 1993, 35, 173-179.	1.2	44
22	Dietary exposure biomarker-lead discovery based on metabolomics analysis of urine samples. <i>Proceedings of the Nutrition Society</i> , 2013, 72, 352-361.	0.4	42
23	Synergism of thidiazuron and benzyladenine in axillary shoot formation depends on sequence of application in <i>Miscanthus X ogiformis</i> ? <i>Giganteus</i> ?. <i>Plant Cell, Tissue and Organ Culture</i> , 1995, 41, 165-170.	1.2	40
24	PHOTOMORPHOGENIC RESPONSES TO UV RADIATION III: A COMPARATIVE STUDY OF UVB EFFECTS ON ANTHOCYANIN and FLAVONOID ACCUMULATION IN WILD TYPE and aurea MUTANT OF TOMATO ( <i>Lycopersicon esculentum</i> MILL.). <i>Photochemistry and Photobiology</i> , 1995, 62, 1081-1087.	1.3	39
25	Testing the ability of plants to access potassium from framework silicate minerals. <i>Science of the Total Environment</i> , 2017, 574, 476-481.	3.9	39
26	Structure and biosynthesis of anthocyanins in flowers of <i>Campanula</i> . <i>Phytochemistry</i> , 1993, 33, 209-212.	1.4	36
27	Inorganic Nitrate Supplementation in Young and Old Obese Adults Does Not Affect Acute Glucose and Insulin Responses but Lowers Oxidative Stress. <i>Journal of Nutrition</i> , 2016, 146, 2224-2232.	1.3	33
28	Changes in stool frequency following chicory inulin consumption, and effects on stool consistency, quality of life and composition of gut microbiota. <i>Food Hydrocolloids</i> , 2019, 96, 688-698.	5.6	33
29	Effects of handgrip exercise or inorganic nitrate supplementation on 24-h ambulatory blood pressure and peripheral arterial function in overweight and obese middle age and older adults: A pilot RCT. <i>Maturitas</i> , 2015, 82, 228-235.	1.0	32
30	Manipulation of Contents of Nitrate, Phenolic Acids, Chlorophylls, and Carotenoids in Lettuce ( <i>Lactuca sativa</i> L.) via Contrasting Responses to Nitrogen Fertilizer When Grown in a Controlled Environment. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 10003-10010.	2.4	30
31	A Vitamin D, Calcium and Leucine-Enriched Whey Protein Nutritional Supplement Improves Measures of Bone Health in Sarcopenic Non-Malnourished Older Adults: The PROVIDE Study. <i>Calcified Tissue International</i> , 2019, 105, 383-391.	1.5	29
32	Effects of beetroot juice supplementation on microvascular blood flow in older overweight and obese subjects: a pilot randomised controlled study. <i>Journal of Human Hypertension</i> , 2015, 29, 511-513.	1.0	25
33	Effects of Organic and Waste-Derived Fertilizers on Yield, Nitrogen and Glucosinolate Contents, and Sensory Quality of Broccoli ( <i>Brassica oleracea</i> L. var. <i>italica</i> ). <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 10757-10767.	2.4	23
34	Anthocyanins in Chilean species of <i>Alstroemeria</i> . <i>Phytochemistry</i> , 1996, 42, 97-100.	1.4	22
35	Rats show differences in some biomarkers of health when eating diets based on ingredients produced with three different cultivation strategies. <i>Journal of the Science of Food and Agriculture</i> , 2008, 88, 720-732.	1.7	22
36	Methods for Comparing Data across Differently Designed Agronomic Studies: Examples of Different Meta-analysis Methods Used to Compare Relative Composition of Plant Foods Grown Using Organic or Conventional Production Methods and a Protocol for a Systematic Review. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 7173-7180.	2.4	22

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37	Integration of sensory and objective measurements of tomato quality: quantitative assessment of the effect of harvest date as compared with growth medium (soil versus rockwool), electrical conductivity, variety and maturity. <i>Journal of the Science of Food and Agriculture</i> , 2005, 85, 2289-2296.	1.7	21
38	An HPLC investigation of flower colour and breeding of anthocyanins in species and hybrids of <i>Alstroemeria</i> . <i>Plant Breeding</i> , 1998, 117, 63-67.	1.0	18
39	Micropropagation of <i>Campanula isophylla</i> Moretti. <i>Plant Cell, Tissue and Organ Culture</i> , 1992, 29, 31-36.	1.2	17
40	Accumulation of Anthocyanins and Flavones during Bud and Flower Development in <i>Campanula isophylla</i> Moretti. <i>Annals of Botany</i> , 1997, 79, 355-360.	1.4	17
41	Year rather than farming system influences protein utilization and energy value of vegetables when measured in a rat model. <i>Nutrition Research</i> , 2008, 28, 866-878.	1.3	17
42	Effect of plant cultivation methods on content of major and trace elements in foodstuffs and retention in rats. <i>Journal of the Science of Food and Agriculture</i> , 2008, 88, 2161-2172.	1.7	16
43	Current analytical methods for determination of glucosinolates in vegetables and human tissues. <i>Journal of Chromatography A</i> , 2021, 1643, 462060.	1.8	16
44	Variation among and within clones in formation of roots and shoots during micropropagation of <i>Campanula isophylla</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 1994, 39, 63-68.	1.2	15
45	Safety and tolerability of 6-month supplementation with a vitamin D, calcium and leucine-enriched whey protein medical nutrition drink in sarcopenic older adults. <i>Aging Clinical and Experimental Research</i> , 2020, 32, 1501-1514.	1.4	14
46	<i>Alstroemeria</i> plantlets can be induced to flowering by cold treatment during in vitro culture. <i>Scientia Horticulturae</i> , 1996, 66, 217-228.	1.7	12
47	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 1999, 56, 145-153.	1.2	12
48	Long-Term Effect of Interactive Online Dietician Weight Loss Advice in General Practice (LIVA) Protocol for a Randomized Controlled Trial. <i>International Journal of Family Medicine</i> , 2014, 2014, 1-6.	1.2	10
49	Nutritional quality of foods. , 2007, , 25-40.		7
50	Knowledge and beliefs about dietary inorganic nitrate among UK-based nutrition professionals: development and application of the KINDS online questionnaire. <i>BMJ Open</i> , 2019, 9, e030719.	0.8	7
51	Food quality.. , 2006, , 305-327.		7
52	Effect of carrot feeding to APC <sup>Min</sup> mouse on intestinal tumours. <i>Proceedings of the Nutrition Society</i> , 2013, 72, .	0.4	6
53	Exploring the dynamics of a free fruit at work intervention. <i>BMC Public Health</i> , 2016, 16, 839.	1.2	6
54	Organic Agriculture and Food Production: Ecological, Environmental, Food Safety and Nutritional Quality Issues. <i>Sustainable Agriculture Reviews</i> , 2010, , 77-107.	0.6	6

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55	A METHOD FOR DISINFECTION OF UNDERGROUND RHIZOME TIPS OF ALSTROEMERIA AND HELICONIA.. Acta Horticulturae, 1992, , 499-504.	0.1	5
56	Title is missing!. Euphytica, 1997, 93, 361-367.	0.6	5
57	Vegetables as Nutraceuticals â€“ Falcarinol in Carrots and Other Root Crops. , 2000, , 386-391.		5
58	A method for estimating oxygen availability of stationary plant cell cultures in liquid media. Plant Cell, Tissue and Organ Culture, 1991, 26, 195-201.	1.2	5
59	Campanula (Bellflower) Species: In Vitro Culture, Micropropagation, and the Production of Anthocyanins, Polyacetylenes, and Other Secondary Metabolites. Biotechnology in Agriculture and Forestry, 1998, , 45-66.	0.2	4
60	Effects of temperature conditions during transport and storage on tomato fruit quality. Acta Horticulturae, 2016, , 317-322.	0.1	3
61	A SYSTEMATIC APPROACH FOR IDENTIFYING PLANT COMPONENTS WITH IMPACT ON HUMAN HEALTH. Acta Horticulturae, 2007, , 93-100.	0.1	2
62	Challenges in the Control of Food Quality and Safety. Outlooks on Pest Management, 2008, 19, 34-38.	0.1	1
63	Changes in contents of polyacetylenes and carotenoids in carrots kept at different temperatures after harvest. Proceedings of the Nutrition Society, 2011, 70, .	0.4	1
64	ANTINOCICEPTIVE ACTIVITIES OF HYPTIS CRENATA POHL. Acta Horticulturae, 2013, , 105-110.	0.1	1
65	Vegetables and Fruit in the Prevention of Chronic Age-Related Diseases. , 2016, , 707-722.		1
66	Effects of carrot powder intake after weaning on tumours in APCMin mice. Proceedings of the Nutrition Society, 2017, 76, .	0.4	1
67	Micropropagation of Campanula. Biotechnology in Agriculture and Forestry, 1997, , 58-73.	0.2	1
68	IMPROVEMENT OF TOMATO PRODUCT QUALITY BY CHANGING TEMPERATURE CONDITIONS DURING THE FIRST 11 DAYS AFTER HARVEST. Acta Horticulturae, 2015, , 147-153.	0.1	1
69	Integration of quality parameters into food safety focused HACCP systems. , 2007, , 490-509.		0
70	Are Organic Foods Safer or Healthier?. Annals of Internal Medicine, 2013, 158, 295.	2.0	0
71	Recovery of urinary nitrate from ingestion of high-nitrate lettuce in healthy young subjects. Proceedings of the Nutrition Society, 2016, 75, .	0.4	0
72	Database of polyacetylene-containing foods for estimation of population intake. Proceedings of the Nutrition Society, 2016, 75, .	0.4	0

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73	Retention of polyacetylenes and carotenoids in carrot during cooking. Proceedings of the Nutrition Society, 2016, 75, .	0.4	0
74	A project to investigate the effects of carrot and other polyacetylene-rich vegetable consumption on biomarkers of chronic disease risk. Acta Horticulturae, 2017, , 149-154.	0.1	0
75	Commentary: Vitamin C and Metabolic Syndrome: A Meta-Analysis of Observational Studies. Frontiers in Nutrition, 2021, 8, 810716.	1.6	0