Dean A Kopsell

List of Publications by Year
in descending order

96	3,057	159585 30	189892 50
papers	citations	h-index	g-index

97	97	97	3016
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Narrowband Blue and Red LED Supplements Impact Key Flavor Volatiles in Hydroponically Grown Basil Across Growing Seasons. Frontiers in Plant Science, 2021, 12, 623314.	3.6	9
2	Sole-Source LED Lighting and Fertility Impact Shoot and Root Tissue Mineral Elements in Chinese Kale (Brassica oleracea var. alboglabra). Horticulturae, 2020, 6, 40.	2.8	3
3	Applications of Abscisic Acid and Increasing Concentrations of Calcium Affect the Partitioning of Mineral Nutrients between Tomato Leaf and Fruit Tissue. Horticulturae, 2019, 5, 49.	2.8	6
4	Several Pesticides Influence the Nutritional Content of Sweet Corn. Journal of Agricultural and Food Chemistry, 2018, 66, 3086-3092.	5.2	21
5	Influence of blue/red vs. white LED light treatments on biomass, shoot morphology, and quality parameters of hydroponically grown kale. Scientia Horticulturae, 2018, 235, 189-197.	3.6	55
6	Seasonal Application Timings Affect Dallisgrass (Paspalum dilatatum) Control in Tall Fescue â€“ CORRIGENDUM. Weed Technology, 2018, 32, 224-224.	0.9	0
7	Agronomic Performance and Seed Inorganic Phosphorus Stability of Lowâ€Phytate Soybean Line TN09â€239. JAOCS, Journal of the American Oil Chemists' Society, 2018, 95, 787-796.	1.9	4
8	Interaction of light quality and fertility on biomass, shoot pigmentation and xanthophyll cycle flux in Chinese kale. Journal of the Science of Food and Agriculture, 2017, 97, 911-917.	3.5	19
9	Light Intensity and Light Quality from Sole-source Light-emitting Diodes Impact Phytochemical Concentrations within Brassica Microgreens. Journal of the American Society for Horticultural Science, 2017, 142, 3-12.	1.0	63
10	Effects of abscisic acid and calcium on tomato fruit aroma volatiles. Journal of Plant Nutrition, 2017, 40, 2096-2100.	1.9	1
11	Abscisic acid improves tomato fruit quality by increasing soluble sugar concentrations. Journal of Plant Nutrition, 2017, 40, 964-973.	1.9	17
12	Seed Inorganic Phosphorus Stability and Agronomic Performance of Two Lowâ€Phytate Soybean Lines Evaluated across Six Southeastern US Environments. Crop Science, 2017, 57, 2555-2563.	1.8	17
13	Nitrogen form and ratio impact Swiss chard (Beta vulgaris subsp. cicla) shoot tissue carotenoid and chlorophyll concentrations. Scientia Horticulturae, 2016, 204, 99-105.	3.6	26
14	Abscisic Acid Impacts Tomato Carotenoids, Soluble Sugars, and Organic Acids. Hortscience: A Publication of the American Society for Hortcultural Science, 2016, 51, 370-376.	1.0	17
15	Carotenoid Concentration and Composition in Winter Squash: Variability Associated with Different Cultigens, Harvest Maturities, and Storage Times. Hortscience: A Publication of the American Society for Hortcultural Science, 2016, 51, 472-480.	1.0	11
16	Mesotrione Activity on Crabgrass (Digitariaspp.) as Influenced by Nitrogen Fertilization Rate, Source, and Timing. Weed Technology, 2015, 29, 263-273.	0.9	6
17	Preemergence Herbicides Affect Hybrid Bermudagrass Nutrient Content. Journal of Plant Nutrition, 2015, 38, 177-188.	1.9	10
18	Cytochrome P450 Inhibitors Reduce Creeping Bentgrass (Agrostis stolonifera) Tolerance to Topramezone. PLoS ONE, 2015, 10, e0130947.	2.5	17

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19	Ketocarotenoid Production in Soybean Seeds through Metabolic Engineering. PLoS ONE, 2015, 10, e0138196.	2.5	42
20	Blue Wavelengths from LED Lighting Increase Nutritionally Important Metabolites in Specialty Crops. Hortscience: A Publication of the American Society for Hortcultural Science, 2015, 50, 1285-1288.	1.0	62
21	Detection and Confirmation of Quantitative Trait Loci for Soybean Seed Isoflavones. Crop Science, 2014, 54, 595-606.	1.8	16
22	Fungal mutualists enhanceÂgrowth and phytochemical content in Echinacea purpurea. Symbiosis, 2014, 63, 111-121.	2.3	21
23	SELENIUM FERTILIZATION INFLUENCES BIOMASS, ELEMENTAL ACCUMULATIONS, AND PHYTOCHEMICAL CONCENTRATIONS IN WATERCRESS. Journal of Plant Nutrition, 2014, 37, 327-342.	1.9	8
24	Foliar applications of abscisic acid decrease the incidence of blossom-end rot in tomato fruit. Scientia Horticulturae, 2014, 179, 356-362.	3.6	24
25	Synthesis and Evaluation of Heterocyclic Analogues of Bromoxynil. Journal of Agricultural and Food Chemistry, 2014, 62, 329-336.	5.2	11
26	IMPACT OF SELENIUM FERTILIZATION ON GLUCOSINOLATE CONCENTRATION INARABIDOPSIS THALIANAAND RAPID CYCLINGBRASSICA OLERACEA. Journal of Plant Nutrition, 2014, 37, 343-356.	1.9	6
27	Biokinetics and Efficacy of Aminocyclopyrachlor-Methyl Ester as Influenced by Diflufenzopyr. Weed Science, 2014, 62, 538-547.	1.5	1
28	A Putative Prodiamine-Resistant Annual Bluegrass (Poa annua) Population is Controlled by Indaziflam. Weed Science, 2014, 62, 138-144.	1.5	15
29	Exogenous Foliar and Root Applications of Abscisic Acid Increase the Influx of Calcium into Tomato Fruit Tissue and Decrease the Incidence of Blossom-end Rot. Hortscience: A Publication of the American Society for Hortcultural Science, 2014, 49, 1397-1402.	1.0	9
30	Abscisic Acid Increases Carotenoid and Chlorophyll Concentrations in Leaves and Fruit of Two Tomato Genotypes. Journal of the American Society for Horticultural Science, 2014, 139, 261-266.	1.0	69
31	Sprouting Broccoli Accumulate Higher Concentrations of Nutritionally Important Metabolites under Narrow-band Light-emitting Diode Lighting. Journal of the American Society for Horticultural Science, 2014, 139, 469-477.	1.0	108
32	RATIO OF CALCIUM TO MAGNESIUM INFLUENCES BIOMASS, ELEMENTAL ACCUMULATIONS, AND PIGMENT CONCENTRATIONS IN KALE. Journal of Plant Nutrition, 2013, 36, 2154-2165.	1.9	13
33	Seasonal Application Timings Affect Dallisgrass (Paspalum dilatatum) Control in Tall Fescue. Weed Technology, 2013, 27, 557-564.	0.9	13
34	Selenium Influences Glucosinolate and Isothiocyanates and Increases Sulfur Uptake in Arabidopsis thaliana and Rapid-Cycling Brassica oleracea. Journal of Agricultural and Food Chemistry, 2013, 61, 202-209.	5.2	67
35	Effect of Reed-Sedge Peat Moss on Hybrid Bermudagrass Injury with Indaziflam and Prodiamine in Sand-Based Root Zones. Weed Technology, 2013, 27, 547-551.	0.9	14
36	UV-B Radiation Impacts Shoot Tissue Pigment Composition inAllium fistulosumL. Cultigens. Scientific World Journal, The, 2013, 2013, 1-10.	2.1	10

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37	Soil Type and Rooting Depth Affect Hybrid Bermudagrass Injury with Preemergence Herbicides. Crop Science, 2013, 53, 660-665.	1.8	20
38	Evaluation of a Cryogenic Sprayer Using Liquid Nitrogen and a Ballasted Roller for Weed Control. Journal of Testing and Evaluation, 2013, 41, 869-874.	0.7	6
39	Increases in Shoot Tissue Pigments, Glucosinolates, and Mineral Elements in Sprouting Broccoli after Exposure to Short-duration Blue Light from Light Emitting Diodes. Journal of the American Society for Horticultural Science, 2013, 138, 31-37.	1.0	191
40	Nitrogen-Enhanced Efficacy of Mesotrione and Topramezone for Smooth Crabgrass (Digitaria) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	1.5	16
41	Shoot tissue pigment levels increase in â€˜Florida Broadleafâ€™ mustard (Brassica juncea L.) microgreens following high light treatment. Scientia Horticulturae, 2012, 140, 96-99.	3.6	56
42	Evaluation of Agronomic and Seed Characteristics in Elevated Oleic Acid Soybean Lines in the South-Eastern US. JAOCS, Journal of the American Oil Chemists' Society, 2012, 89, 1333.	1.9	7
43	Comparison of Light-emitting Diode and High-pressure Sodium Light Treatments for Hydroponics Growth of Boston Lettuce. Hortscience: A Publication of the American Society for Hortcultural Science, 2012, 47, 477-482.	1.0	64
44	Optimizing Plant Density and Production Systems to Maximize Yield of Greenhouse-grown â€˜Trustâ€™ Tomatoes. HortTechnology, 2012, 22, 44-48.	0.9	21
45	Trumpetcreeper Control with Various Indole-3-Acetic Acid Mimics and Diflufenzopyr. HortTechnology, 2012, 22, 677-681.	0.9	2
46	Leaf tissue pigments and chlorophyll fluorescence parameters vary among sweet corn genotypes of differential herbicide sensitivity. Pesticide Biochemistry and Physiology, 2011, 99, 194-199.	3.6	19
47	Effect of Soybean Oil Fatty Acid Composition and Selenium Application on Biodiesel Properties. JAOCS, Journal of the American Oil Chemists' Society, 2011, 88, 1019-1028.	1.9	12
48	Response of Hybrid Bermudagrass (Cynodon dactylonÃ— C.transvaalensis) to Three HPPD-Inhibitors. Weed Science, 2011, 59, 458-463.	1.5	21
49	Methods of Assessing Bermudagrass [Cynodon dactylon] Responses to HPPDâ€Inhibiting Herbicides. Crop Science, 2011, 51, 2840-2845.	1.8	18
50	Changes in â€˜Rivieraâ€™ Bermudagrass [Cynodon dactylon (L.) Pers.] Carotenoid Pigments after Treatment with Three p-Hydroxyphenylpyruvate Dioxygenase-inhibiting Herbicides. Hortscience: A Publication of the American Society for Hortcultural Science, 2011, 46, 493-498.	1.0	15
51	Selenium Regulates Gene Expression for Glucosinolate and Carotenoid Biosynthesis in Arabidopsis. Journal of the American Society for Horticultural Science, 2011, 136, 23-34.	1.0	36
52	Carotenoids in Vegetables. , 2010, , 645-662.		4
53	Increases in Bermudagrass [Cynodon dactylon (L.) Pers.] Tissue Pigments during Post-application Recovery from Mesotrione. Hortscience: A Publication of the American Society for Hortcultural Science, 2010, 45, 1559-1562.	1.0	7
54	Characterization of Nutritionally Important Carotenoids in Bunching Onion. Hortscience: A Publication of the American Society for Hortcultural Science, 2010, 45, 463-465.	1.0	7

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55	Pigment Concentrations among Heat-tolerant Turfgrasses. Hortscience: A Publication of the American Society for Hortcultural Science, 2010, 45, 650-653.	1.0	5
56	Micropropagation of Populus trichocarpa â€˜Nisqually-1â€™: the genotype deriving the Populus reference genome. Plant Cell, Tissue and Organ Culture, 2009, 99, 251-257.	2.3	28
57	Mesotrione control and pigment concentration of large crabgrass (Digitaria sanguinalis) under varying environmental conditions. Pest Management Science, 2009, 65, 640-644.	3.4	17
58	Increase in Nutritionally Important Sweet Corn Kernel Carotenoids following Mesotrione and Atrazine Applications. Journal of Agricultural and Food Chemistry, 2009, 57, 6362-6368.	5.2	28
59	Physiological role of carotenoids and other antioxidants in plants and application to turfgrass stress management. New Zealand Journal of Crop and Horticultural Science, 2009, 37, 327-333.	1.3	37
60	Selenization of Basil and Cilantro Through Foliar Applications of Selenate-selenium and Selenite-selenium. Hortscience: A Publication of the American Society for Hortcultural Science, 2009, 44, 438-442.	1.0	21
61	Importance of Genotype on Carotenoid and Chlorophyll Levels in Broccoli Heads. Hortscience: A Publication of the American Society for Hortcultural Science, 2009, 44, 1248-1253.	1.0	25
62	Assessments of Bare-root Liner Quality and Purchasing Decisions Made by Green Industry Professionals. Hortscience: A Publication of the American Society for Hortcultural Science, 2009, 44, 717-724.	1.0	7
63	Mesotrione plus Prodiamine for Smooth Crabgrass (Digitaria ischaemum) Control in Established Bermudagrass Turf. Weed Technology, 2008, 22, 275-279.	0.9	17
64	Effects of Mesotrione on Perennial Ryegrass (Lolium perenne L.) Carotenoid Concentrations under Varying Environmental Conditions. Journal of Agricultural and Food Chemistry, 2008, 56, 9133-9139.	5.2	29
65	Irradiance from Distinct Wavelength Light-emitting Diodes Affect Secondary Metabolites in Kale. Hortscience: A Publication of the American Society for Hortcultural Science, 2008, 43, 2243-2244.	1.0	162
66	Dry Matter Content and Stability of Carotenoids in Kale and Spinach During Drying. Hortscience: A Publication of the American Society for Hortcultural Science, 2008, 43, 1731-1736.	1.0	22
67	Changes in kale (Brassica oleracea L. var. acephala) carotenoid and chlorophyll pigment concentrations during leaf ontogeny. Scientia Horticulturae, 2007, 112, 136-141.	3.6	82
68	Influence of Nitrogen and Sulfur on Biomass Production and Carotenoid and Glucosinolate Concentrations in Watercress (Nasturtium officinale R. Br.). Journal of Agricultural and Food Chemistry, 2007, 55, 10628-10634.	5.2	61
69	Nitrogen Levels Influence Biomass, Elemental Accumulations, and Pigment Concentrations in Spinach. Journal of Plant Nutrition, 2007, 30, 171-185.	1.9	24
70	Carotenoid pigments in kale are influenced by nitrogen concentration and form. Journal of the Science of Food and Agriculture, 2007, 87, 900-907.	3.5	94
71	Genetic Variation in Carotenoid Concentrations among Diploid and Amphidiploid Rapid-cycling Brassica Species. Hortscience: A Publication of the American Society for Hortcultural Science, 2007, 42, 461-465.	1.0	22
72	Spinach Cultigen Variation for Tissue Carotenoid Concentrations Influences Human Serum Carotenoid Levels and Macular Pigment Optical Density Following a 12-Week Dietary Intervention. Journal of Agricultural and Food Chemistry, 2006, 54, 7998-8005.	5.2	40

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73	Kale Carotenoids Are Unaffected by, whereas Biomass Production, Elemental Concentrations, and Selenium Accumulation Respond to, Changes in Selenium Fertility. Journal of Agricultural and Food Chemistry, 2006, 54, 1764-1771.	5.2	35
74	Accumulation and bioavailability of dietary carotenoids in vegetable crops. Trends in Plant Science, 2006, 11, 499-507.	8.8	150
75	Response of Creeping Bentgrass Carotenoid Composition to High and Low Irradiance. Crop Science, 2006, 46, 2606-2612.	1.8	16
76	Irradiance levels affect growth parameters and carotenoid pigments in kale and spinach grown in a controlled environment. Physiologia Plantarum, 2006, 127, 624-631.	5.2	74
77	Iron Form and Concentration Affect Nutrition of Container-grown Pelargonium and Calibrachoa. Hortscience: A Publication of the American Society for Hortcultural Science, 2006, 41, 244-251.	1.0	13
78	Biomass Production and Pigment Accumulation in Kale Grown Under Increasing Photoperiods. Hortscience: A Publication of the American Society for Hortcultural Science, 2006, 41, 603-606.	1.0	35
79	(167) Carotenoid Accumulation Among the Diploid and Amphidiploid Brassica Species. Hortscience: A Publication of the American Society for Hortcultural Science, 2006, 41, 1081A-1081.	1.0	2
80	Biomass Production and Pigment Accumulation in Kale Grown Under Different Radiation Cycles in a Controlled Environment. Hortscience: A Publication of the American Society for Hortcultural Science, 2006, 41, 1412-1415.	1.0	4
81	Nitrogen and Sulfur Influence Nutrient Usage and Accumulation in Onion. Journal of Plant Nutrition, 2005, 27, 1667-1686.	1.9	27
82	Nitrogen Concentration Affects Nutrient and Carotenoid Accumulation in Parsley. Journal of Plant Nutrition, 2005, 28, 285-297.	1.9	65
83	Variability in Elemental Accumulations Among LeafyBrassica oleraceaCultivars and Selections. Journal of Plant Nutrition, 2005, 27, 1813-1826.	1.9	44
84	Carotenoid and Chlorophyll Pigments in Sweet Basil Grown in the Field and Greenhouse. Hortscience: A Publication of the American Society for Hortcultural Science, 2005, 40, 1119D-1119.	1.0	18
85	Air Temperature Affects Biomass and Carotenoid Pigment Accumulation in Kale and Spinach Grown in a Controlled Environment. Hortscience: A Publication of the American Society for Hortcultural Science, 2005, 40, 2026-2030.	1.0	72
86	Variation in Lutein, Î²-carotene, and Chlorophyll Concentrations among Brassica oleracea Cultigens and Seasons. Hortscience: A Publication of the American Society for Hortcultural Science, 2004, 39, 361-364.	1.0	127
87	Kale Carotenoids Remain Stable while Flavor Compounds Respond to Changes in Sulfur Fertilityâ€. Journal of Agricultural and Food Chemistry, 2003, 51, 5319-5325.	5.2	62
88	Seed Germination Response of Rapidâ€€yclingBrassica oleraceaGrown Under Increasing Sodium Selenate. Journal of Plant Nutrition, 2003, 26, 1355-1366.	1.9	6
89	Sequentially Reducing Sulfate Fertility During Onion Growth and Development Affects Bulb Flavor at Harvest. Hortscience: A Publication of the American Society for Hortcultural Science, 2002, 37, 118-121.	1.0	16
90	Sodium selenate fertilisation increases selenium accumulation and decreases glucosinolate concentration in rapid-cyclingBrassica oleracea. Journal of the Science of Food and Agriculture, 2001, 81, 962-966.	3.5	60

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91	Genetic Variances and Selection Potential for Selenium Accumulation in a Rapid-cycling Brassica oleracea Population. Journal of the American Society for Horticultural Science, 2001, 126, 329-335.	1.0	15
92	Nutrient accumulation in leaf tissue of rapidâ€cyclingbrassuca oleracearesponds to increasing sodium selenate concentrations. Journal of Plant Nutrition, 2000, 23, 927-935.	1.9	28
93	Selenium accumulation in a rapidâ€cyclingBrassica oleraceapopulation responds to increasing sodium seienate concentrations. Journal of Plant Nutrition, 1999, 22, 927-937.	1.9	37
94	Selenium Affects the S-alk(en)yl Cysteine Sulfoxides among Short-day Onion Cultivars. Journal of the American Society for Horticultural Science, 1999, 124, 307-311.	1.0	21
95	Title is missing!. Euphytica, 1997, 96, 385-390.	1.2	33
96	Selenate Concentration Affects Selenium and Sulfur Uptake and Accumulation by `Granex 33' Onions. Journal of the American Society for Horticultural Science, 1997, 122, 721-726.	1.0	39