John L Jifon

List of Publications by Year
in descending order

85	3,180	147801	168389
papers	citations	31 h-index	53 g-index

87	87	87	3860
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Use of physiological parameters as fast tools to screen for drought tolerance in sugarcane. Brazilian Journal of Plant Physiology, 2007, 19, 193-201.	0.5	217
2	Nanoparticle-Mediated Seed Priming Improves Germination, Growth, Yield, and Quality of Watermelons (Citrullus lanatus) at multi-locations in Texas. Scientific Reports, 2020, 10, 5037.	3.3	192
3	Moderate shade can increase net gas exchange and reduce photoinhibition in citrus leaves. Tree Physiology, 2003, 23, 119-127.	3.1	159
4	Gas exchange, chlorophyll and nutrient contents in relation to Na+ and Clâ˜' accumulation in â€˜Sunburstâ€™ mandarin grafted on different rootstocks. Plant Science, 2002, 162, 705-712.	3.6	137
5	Impact of potassium nutrition on postharvest fruit quality: Melon (Cucumis melo L) case study. Plant and Soil, 2010, 335, 117-131.	3.7	120
6	Kaolin Particle Film Applications Can Increase Photosynthesis and Water Use Efficiency of `Ruby Red' Grapefruit Leaves. Journal of the American Society for Horticultural Science, 2003, 128, 107-112.	1.0	115
7	Green-Synthesized Nanoparticles Enhanced Seedling Growth, Yield, and Quality of Onion (<i>Allium) Tj ETQq1 1 0.784314 rgBT /Over	6.7	102
8	Growth Environment and Leaf Anatomy Affect Nondestructive Estimates of Chlorophyll and Nitrogen in Citrus sp. Leaves. Journal of the American Society for Horticultural Science, 2005, 130, 152-158.	1.0	100
9	Variation of antioxidant activity and the levels of bioactive compounds in lipophilic and hydrophilic extracts from hot pepper (Capsicum spp.) cultivars. Food Chemistry, 2012, 134, 1912-1918.	8.2	97
10	Yield components as indicators of drought tolerance of sugarcane. Scientia Agricola, 2008, 65, 620-627.	1.2	90
11	Photosynthetic capacity and water use efficiency in sugarcane genotypes subject to water deficit during early growth phase. Brazilian Archives of Biology and Technology, 2013, 56, 735-748.	0.5	86
12	An improved sample preparation method for quantification of ascorbic acid and dehydroascorbic acid by HPLC. LWT - Food Science and Technology, 2012, 47, 443-449.	5.2	84
13	Extraction efficiency and validation of an HPLC method for flavonoid analysis in peppers. Food Chemistry, 2012, 130, 751-758.	8.2	77
14	Growth depression of mycorrhizal Citrus seedlings grown at high phosphorus supply is mitigated by elevated CO2. New Phytologist, 2002, 153, 133-142.	7.3	76
15	Supplemental Foliar Potassium Applications during Muskmelon Fruit Development Can Improve Fruit Quality, Ascorbic Acid, and Beta-carotene Contents. Journal of the American Society for Horticultural Science, 2005, 130, 649-653.	1.0	71
16	Ground penetrating radar (GPR) detects fine roots of agricultural crops in the field. Plant and Soil, 2018, 423, 517-531.	3.7	67
17	Ascorbic acid, capsaicinoid, and flavonoid aglycone concentrations as a function of fruit maturity stage in greenhouse-grown peppers. Journal of Food Composition and Analysis, 2014, 33, 195-202.	3.9	59
18	Diurnal Patterns of Flight Activity and Effects of Light on Host Finding Behavior of the Asian Citrus Psyllid. Journal of Insect Behavior, 2012, 25, 264-276.	0.7	58

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19	Onion yield and quality response to two irrigation scheduling strategies. Scientia Horticulturae, 2009, 120, 301-305.	3.6	55
20	Postharvest responses of red and yellow sweet peppers grown under photo-selective nets. Food Chemistry, 2015, 173, 951-956.	8.2	54
21	Quality Matters: Influences of Citrus Flush Physicochemical Characteristics on Population Dynamics of the Asian Citrus Psyllid (Hemiptera: Liviidae). PLoS ONE, 2016, 11, e0168997.	2.5	53
22	Photosynthetic acclimation to elevated CO2 in Phaseolus vulgaris L. is altered by growth response to nitrogen supply. Global Change Biology, 2002, 8, 1018-1027.	9.5	51
23	Supplemental Foliar Potassium Applications with or without a Surfactant can Enhance Netted Muskmelon Quality. Hortscience: A Publication of the American Society for Hortcultural Science, 2006, 41, 741-744.	1.0	51
24	Provitamin A biofortification of cassava enhances shelf life but reduces dry matter content of storage roots due to altered carbon partitioning into starch. Plant Biotechnology Journal, 2018, 16, 1186-1200.	8.3	49
25	Zebra chip disease incidence on potato is influenced by timing of potato psyllid infestation, but not by the host plants on which they were reared. Insect Science, 2009, 16, 399-408.	3.0	45
26	Spectral quality of photo-selective nets improves phytochemicals and aroma volatiles in coriander leaves (Coriandrum sativum L.) after postharvest storage. Journal of Photochemistry and Photobiology B: Biology, 2016, 161, 328-334.	3.8	44
27	Summer (Subarctic) versus Winter (Subtropic) Production Affects Spinach (Spinacia oleracea) Tj ETQq1 1 0.784314 rgBT /Ove Antioxidants. Journal of Agricultural and Food Chemistry, 2013, 61, 7019-7027.	5.2	43
28	Characterization of Shortday Onion Cultivars of 3 Pungency Levels with Flavor Precursor, Free Amino Acid, Sulfur, and Sugar Contents. Journal of Food Science, 2009, 74, C475-80.	3.1	42
29	Influence of Extraction Solvents on Antioxidant Activity and the Content of Bioactive Compounds in Non-pungent Peppers. Plant Foods for Human Nutrition, 2012, 67, 120-128.	3.2	39
30	Foliar potassium fertilization improves fruit quality of fieldâ€grown muskmelon on calcareous soils in south Texas. Journal of the Science of Food and Agriculture, 2009, 89, 2452-2460.	3.5	37
31	Lettuce (Lactuca sativa L.) growth, yield and quality response to nitrogen fertilization in a non-circulating hydroponic system. Journal of Plant Nutrition, 2016, 39, 1766-1775.	1.9	36
32	Rhizosphere microbial biomass is affected by soil type, organic and water inputs in a bell pepper system. Applied Soil Ecology, 2019, 138, 80-87.	4.3	34
33	Variation of bioactive furocoumarins and flavonoids in different varieties of grapefruits and pummelo. European Food Research and Technology, 2008, 226, 1269-1275.	3.3	31
34	Use of Physiological Parameters in Screening Drought Tolerance in Sugarcane Genotypes. Sugar Tech, 2011, 13, 191-197.	1.8	30
35	Subsurface drip irrigation of onions: Effects of drip tape emitter spacing on yield and quality. Agricultural Water Management, 2007, 92, 126-130.	5.6	29
36	Gas Exchange, Water Status, and Growth of Pepper Seedlings Exposed to Transient Water Deficit Stress are Differentially Altered by Antitranspirants. Journal of the American Society for Horticultural Science, 2007, 132, 603-610.	1.0	27

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37	Enhanced Acquisition Rates of â€˜CandidatusLiberibacter asiaticusâ€™ by the Asian Citrus Psyllid (Hemiptera: Liviidae) in the Presence of Vegetative Flush Growth in Citrus. Journal of Economic Entomology, 2016, 109, 1973-1978.	1.8	26
38	Variety-specific responses of lettuce grown under the different-coloured shade nets on phytochemical quality after postharvest storage. Journal of Horticultural Science and Biotechnology, 2016, 91, 520-528.	1.9	22
39	Environmental and Genotypic Variation of Capsaicinoid and Flavonoid Concentrations in Habanero (Capsicum chinense) Peppers. Hortscience: A Publication of the American Society for Hortcultural Science, 2012, 47, 574-579.	1.0	22
40	Importance of Zinc for Arabica Coffee and Its Effects on the Chemical Composition of Raw Grain and Beverage Quality. Crop Science, 2018, 58, 1360-1370.	1.8	21
41	Productivity of Onions Using Subsurface Drip Irrigation versus Furrow Irrigation Systems with an Internet Based Irrigation Scheduling Program. International Journal of Agronomy, 2015, 2015, 1-6.	1.2	18
42	Transition of aromatic volatile and transcriptome profiles during melon fruit ripening. Plant Science, 2021, 304, 110809.	3.6	18
43	High Temperature-induced Sink Limitation Alters Growth and Photosynthetic Acclimation to Elevated CO2 in Bean (Phaseolus vulgaris L.). Journal of the American Society for Horticultural Science, 2005, 130, 515-520.	1.0	18
44	Transcriptomic analysis of transgressive segregants revealed the central role of photosynthetic capacity and efficiency in biomass accumulation in sugarcane. Scientific Reports, 2018, 8, 4415.	3.3	17
45	Use of bioreactors for large-scale multiplication of sugarcane (Saccharum spp.), energy cane (Saccharum spp.), and related species. In Vitro Cellular and Developmental Biology - Plant, 2020, 56, 366-376.	2.1	16
46	Economics and Uncertainty of Lignocellulosic Biofuel Production from Energy Cane and Sweet Sorghum in South Texas. Journal of Agricultural & Applied Economics, 2014, 46, 457-485.	1.4	15
47	Effects of salinity on physiological parameters of grafted and ungrafted citrus trees. Scientia Horticulturae, 2015, 197, 483-489.	3.6	15
48	Contrasting amino acid profiles among permissive and non-permissive hosts of Candidatus Liberibacter asiaticus, putative causal agent of Huanglongbing. PLoS ONE, 2017, 12, e0187921.	2.5	14
49	Heterosis in different F1 Capsicum annuum genotypes for fruit traits, ascorbic acid, capsaicin, and flavonoids. Scientia Horticulturae, 2013, 159, 72-79.	3.6	13
50	Species mixture and soil-resource availability affect the root growth response of tree seedlings to elevated atmospheric CO21. Canadian Journal of Forest Research, 1995, 25, 824-832.	1.7	12
51	An energy budget approach for evaluating the biocontrol potential of cotton aphid (Aphis) Tj ETQq1 1 0.784314 rgBT /Overlock 10 136, 72-79.	1.4	12
52	Purification of coumarins, including meranzin and pranferin, from grapefruit by solvent partitioning and a hyphenated chromatography. Separation and Purification Technology, 2013, 116, 137-144.	7.9	12
53	Physiological Effects of Exogenously Applied Reflectants and Anti-Transpirants on Leaf Temperature and Fruit Sunburn in Citrus. Plants, 2019, 8, 549.	3.5	12
54	Rapid Screening for Relative Salt Tolerance among Chile Pepper Genotypes. Hortscience: A Publication of the American Society for Hortcultural Science, 2010, 45, 1192-1195.	1.0	12

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55	Simultaneous Quantification of Capsaicinoids and Ascorbic Acid from Pungent Peppers. Journal of Chromatographic Science, 2013, 51, 412-418.	1.4	11
56	Boron, Copper, and Zinc Affect the Productivity, Cup Quality, and Chemical Compounds in Coffee Beans. Journal of Food Quality, 2018, 2018, 1-14.	2.6	11
57	Unprecedented enhancement of recombinant protein production in sugarcane culms using a combinatorial promoter stacking system. Scientific Reports, 2020, 10, 13713.	3.3	11
58	Stability of yield and its components in grafted tomato tested across multiple environments in Texas. Scientific Reports, 2020, 10, 13535.	3.3	11
59	Pre- and Postharvest Muskmelon Fruit Cracking: Causes and Potential Remedies. HortTechnology, 2013, 23, 266-275.	0.9	11
60	Short-term water stress affecting NO 3 âˆ’ absorption by almond plants. Scientia Horticulturae, 2015, 197, 50-56.	3.6	10
61	Isolating promoters of multigene family members from the polyploid sugarcane genome by PCR-based walking in BAC DNA. Genome, 2010, 53, 840-847.	2.0	9
62	Frequent asymptomatic infection with tobacco ringspot virus on melon fruit. Virus Research, 2021, 293, 198266.	2.2	9
63	Application of extra sulfur to high-sulfur soils does not increase pungency and related compounds in shortday onions. Scientia Horticulturae, 2009, 123, 178-183.	3.6	8
64	First Report of Cotton leaf curl Gezira virus and Its Associated Alphasatellite and Betasatellite from Disease Affected Okra Plants in the United States. Plant Disease, 2019, 103, 3291.	1.4	8
65	Growth Response and Productivity of Sorghum for Bioenergy Production in South Texas. Transactions of the ASABE, 2019, 62, 1207-1218.	1.1	8
66	Elevated atmospheric CO2 and species mixture alter N acquisition of trees in stand microcosms. Canadian Journal of Forest Research, 2000, 30, 827-836.	1.7	7
67	Salinity and Soil Type Effects on Emergence and Growth of Pepper Seedlings. Hortscience: A Publication of the American Society for Hortcultural Science, 2010, 45, 1265-1269.	1.0	7
68	Foliar-Applied Surfactants and Urea Temporarily Reduce Carbon Assimilation of Grapefruit Leaves. Journal of the American Society for Horticultural Science, 2001, 126, 486-490.	1.0	7
69	Profiling carotenoid and sugar contents in unique Cucumis melo L. cultigens harvested from different climatic regions of the United States. Journal of Food Composition and Analysis, 2022, 106, 104306.	3.9	7
70	Influence of Photoselective Shade Nettings on Postharvest Quality of Vegetables. , 2018, , 121-138.		6
71	â€˜Chujucâ€™, a New Powdery Mildew-resistant U.S. Western-shipper Melon with High Sugar and Î²-Carotene Content. Hortscience: A Publication of the American Society for Hortcultural Science, 2008, 43, 1904-1906.	1.0	6
72	Superoxide Dismutase Activity in Mesocarp Tissue from Divergent Cucumis melo L. Genotypes. Plant Foods for Human Nutrition, 2009, 64, 205-211.	3.2	5

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73	Bioactive Compounds in Peppers and Their Antioxidant Potential. ACS Symposium Series, 2012, , 43-56.	0.5	5
74	Energycane growth dynamics and potential early harvest penalties along the Texas Gulf Coast. Biomass and Bioenergy, 2018, 113, 1-14.	5.7	4
75	Agronomic performance of the lignocellulosic feedstock crop energy cane in the Texas Rolling Plains. Agronomy Journal, 2020, 112, 3816-3831.	1.8	4
76	A Genotyping-by-sequencing Single Nucleotide Polymorphismâ€“based Map and Genetic Analysis of Root Traits in an Interspecific Tomato Population. Journal of the American Society for Horticultural Science, 2019, 144, 394-404.	1.0	4
77	Impact of storage period and nanoparticle treatment on phytochemical composition of watermelons (Citrullus lanatus). Journal of Food Composition and Analysis, 2021, 104, 104139.	3.9	3
78	â€˜TAM Dulcitoâ€™, a New, Multiple Virus-resistant Sweet JalapeÃ±o Pepper. Hortscience: A Publication of the American Society for Hortcultural Science, 2007, 42, 1488-1489.	1.0	3
79	Production Systems and Growing Environments Had Stronger Effects than Grafting on the Nutritional Quality of Tomato. ACS Food Science & Technology, 2021, 1, 1399-1411.	2.7	2
80	Evaluation of the DSSATâ€CANEGRO model for simulating the growth of energy cane (Saccharum) Tj ETQq0 0 0 rgBT /Overlock 1	1.8	2
81	Water Use Efficiency and Net Return of Two Bioenergy Crops. , 2013, , .		1
82	The Performance of Representative Asian Vegetables in Different Production Systems in Texas. Agronomy, 2021, 11, 1874.	3.0	1
83	476 Reducing Midday Irradiance Increases Net CO2 Assimilation in Citrus Leaves. Hortscience: A Publication of the American Society for Hortcultural Science, 2000, 35, 476B-476.	1.0	0
84	Influence of Colored Plastic Mulches on Soil Temperature and Muskmelon Root Respiration. Hortscience: A Publication of the American Society for Hortcultural Science, 2004, 39, 802A-802.	1.0	0
85	â€˜Pacalâ€™ Orange Casaba: A Multi-disease Resistant, Specialty Melon Cultivar from Texas A&M AgriLife Research. Hortscience: A Publication of the American Society for Hortcultural Science, 2015, 50, 1723-1725.	1.0	0