

VÃ-ctor M JimÃ©nez

List of Publications by Year in descending order

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52
papers

2,199
citations

331538

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243529

44
g-index

54
all docs

54
docs citations

54
times ranked

2696
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional properties of coffee and coffee by-products. Food Research International, 2012, 46, 488-495.	2.9	581
2	Involvement of Plant Hormones and Plant Growth Regulators on in vitro Somatic Embryogenesis. Plant Growth Regulation, 2005, 47, 91-110.	1.8	331
3	Regulation of in vitro somatic embryogenesis with emphasis on to the role of endogenous hormones. Brazilian Journal of Plant Physiology, 2001, 13, 196-223.	0.1	144
4	Characterization of phenolic compounds in jocote (<i>Spondias purpurea</i> L.) peels by ultra high-performance liquid chromatography/electrospray ionization mass spectrometry. Food Research International, 2012, 46, 557-562.	2.9	112
5	Hormonal status of maize initial explants and of the embryogenic and non-embryogenic callus cultures derived from them as related to morphogenesis in vitro. Plant Science, 2001, 160, 247-257.	1.7	75
6	Endogenous hormone levels in explants and in embryogenic and non-embryogenic cultures of carrot. Physiologia Plantarum, 2001, 111, 389-395.	2.6	70
7	Identification of phenolic compounds in soursop (<i>Annona muricata</i>) pulp by high-performance liquid chromatography with diode array and electrospray ionization mass spectrometric detection. Food Research International, 2014, 65, 42-46.	2.9	66
8	Endogenous hormone concentrations and embryogenic callus development in wheat. Plant Cell, Tissue and Organ Culture, 2001, 67, 37-46.	1.2	62
9	Lipid-dissolved β -carotene, γ -carotene, and lycopene in globular chromoplasts of peach palm (<i>Bactris</i>) Tj ETQq1 1 0,784314 1.6 BT /Ov	1.6	59
10	HPLC-DAD-APCI/ESI-MS n analysis of carotenoids and α -tocopherol in Costa Rican <i>Acrocomia aculeata</i> fruits of varying maturity stages. Food Research International, 2018, 105, 645-653.	2.9	54
11	Carotenoids, carotenoid esters, and anthocyanins of yellow-, orange-, and red-peeled cashew apples (<i>Anacardium occidentale</i> L.). Food Chemistry, 2016, 200, 274-282.	4.2	52
12	In vitro propagation of the neotropical giant bamboo, <i>Guadua angustifolia</i> Kunth, through axillary shoot proliferation. Plant Cell, Tissue and Organ Culture, 2006, 86, 389-395.	1.2	45
13	In vitro propagation of bamboo species through axillary shoot proliferation: a review. Plant Cell, Tissue and Organ Culture, 2018, 132, 27-53.	1.2	41
14	Participation of Plant Hormones in Determination and Progression of Somatic Embryogenesis. , 0, , 103-118.		33
15	Evolution of endogenous hormone concentration in embryogenic cultures of carrot during early expression of somatic embryogenesis. Plant Cell Reports, 2005, 23, 567-572.	2.8	30
16	Endogenous hormone levels in habituated nucellar Citrus callus during the initial stages of regeneration. Plant Cell Reports, 2001, 20, 92-100.	2.8	29
17	Deposition Form and Bioaccessibility of Keto-carotenoids from Mamey Sapote (<i>Pouteria sapota</i>), Red Bell Pepper (<i>Capsicum annuum</i>), and Sockeye Salmon (<i>Oncorhynchus nerka</i>) Filet. Journal of Agricultural and Food Chemistry, 2016, 64, 1989-1998.	2.4	27
18	Fatty acids and triacylglycerols in the mesocarp and kernel oils of maturing Costa Rican <i>Acrocomia aculeata</i> fruits. NFS Journal, 2019, 14-15, 6-13.	1.9	26

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19	SunUp and Sunset genomes revealed impact of particle bombardment mediated transformation and domestication history in papaya. <i>Nature Genetics</i> , 2022, 54, 715-724.	9.4	26
20	Carotenoids and carotenoid esters of orange- and yellow-fleshed mamey sapote (<i>Pouteria sapota</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2017, 221, 673-682.	4.2	25
21	Coffee (<i>Coffea arabica</i> L.) by-Products as a Source of Carotenoids and Phenolic Compoundsâ€”Evaluation of Varieties With Different Peel Color. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	25
22	Improved high-efficiency protocol for somatic embryogenesis in Peach Palm (<i>Bactris gasipaes</i> Kunth) using RITAA® temporary immersion system. <i>Scientia Horticulturae</i> , 2014, 179, 284-292.	1.7	23
23	Transcription analysis of softening-related genes during postharvest of papaya fruit (<i>Carica papaya</i> L.) Tj ETQq1 1 0,784314 rgBT /Overl 2.9	2.9	23
24	Biology of the Papaya Plant. , 2014, , 17-33.		23
25	Explant Type, Culture System, 6-Benzyladenine, Meta-Topolin and Encapsulation Affect Indirect Somatic Embryogenesis and Regeneration in <i>Carica papaya</i> L. <i>Frontiers in Plant Science</i> , 2018, 9, 1769.	1.7	21
26	In vitro propagation of purple pitahaya (<i>Hylocereus costaricensis</i> [F.A.C. Weber] Britton & Rose) cv. Cebra. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2012, 48, 469-477.	0.9	20
27	Changes in hormone concentrations during dormancy release of oil palm (<i>Elaeis guineensis</i>) seeds. <i>Seed Science and Technology</i> , 2008, 36, 575-587.	0.6	19
28	Characterization of Mesocarp and Kernel Lipids from <i>Elaeis guineensis</i> Jacq., <i>Elaeis oleifera</i> [Kunth] Cortés, and Their Interspecific Hybrids. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 3617-3626.	2.4	16
29	Effect of foliar applications of phosphites on growth, nutritional status and defense responses in tomato plants. <i>Scientia Horticulturae</i> , 2020, 265, 109200.	1.7	16
30	Carotenoids and xanthophyll esters of yellow and red nance fruits (<i>Byrsonima crassifolia</i> (L.) Kunth) from Costa Rica. <i>Food Research International</i> , 2018, 111, 708-714.	2.9	12
31	<i>Acrocomia aculeata</i> fruits from three regions in Costa Rica: an assessment of biometric parameters, oil content and oil fatty acid composition to evaluate industrial potential. <i>Agroforestry Systems</i> , 2020, 94, 1913-1927.	0.9	12
32	Detecting fumonisin B1 in black beans (<i>Phaseolus vulgaris</i> L.) by near-infrared spectroscopy (NIRS). <i>Food Control</i> , 2021, 130, 108335.	2.8	11
33	Effect of hydrogen cyanamide on the endogenous hormonal content of pea seedlings (<i>Pisum sativum</i>) Tj ETQq1 1 0,784314 rgBT /Overl 0.5	0.5	11
34	Mode of Action of Plant Hormones and Plant Growth Regulators During Induction of Somatic Embryogenesis: Molecular Aspects. , 0, , 157-175.		9
35	Micropropagation of Bamboo Species Through Axillary Shoot Proliferation. , 2007, , 465-476.		8
36	Técnicas de conservación in vitro para el establecimiento de bancos de germoplasma en cultivos tropicales.. <i>Agronomy Mesoamerican</i> , 2010, 21, 193.	0.1	7

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37	11'-Tocomenol is the major tocomenol isomer in cyanobacteria and microalgae from Costa Rica. <i>Journal of Food Composition and Analysis</i> , 2022, 107, 104325.	1.9	7
38	Occurrence and characterisation of calcium oxalate crystals in stems and fruits of <i>Hylocereus costaricensis</i> and <i>Selenicereus megalanthus</i> (Cactaceae: Hylocereeae). <i>Micron</i> , 2016, 89, 21-27.	1.1	6
39	Vitamin E profiles in <i>Acrocomia aculeata</i> from three regions in Costa Rica. <i>Journal of Food Composition and Analysis</i> , 2021, 100, 103936.	1.9	6
40	Phytochemical and mineral composition of fruits and seeds of wild-growing <i>Bactris guineensis</i> (L.) H.E. Moore palms from Costa Rica. <i>Journal of Food Composition and Analysis</i> , 2020, 94, 103611.	1.9	5
41	Técnicas moleculares para la detección de variantes somaclonales. <i>Agronomy Mesoamerican</i> , 2009, 20, 135.	0.1	5
42	Vitamin E and carotenoid profiles in leaves, stems, petioles and flowers of stinging nettle (<i>Urtica dioica</i> L.). <i>Journal of Food Composition and Analysis</i> , 2022, 107, 104325.	1.7	5
43	Seed germination of pitaya (<i>Hylocereus</i> spp.) as affected by seed extraction method, storage, germination conditions, germination assessment approach and water potential. <i>Journal of Crop Improvement</i> , 2019, 33, 372-394.	0.9	4
44	Response of Endogenous Hormone Concentrations to Two Floral Inductive Treatments, viz. KNO ₃ and PBZ, in Mango cv. 'Tommy Atkins' Growing Under Tropical Conditions. <i>Tropical Plant Biology</i> , 2012, 5, 253-260.	1.0	3
45	Nutritional and Industrial Relevance of Particular Neotropical Pseudo-cereals. , 2019, , 65-79.		3
46	Somatic Embryogenesis in Peach-Palm (<i>Bactris gasipaes</i>) Using Different Explant Sources. <i>Methods in Molecular Biology</i> , 2016, 1359, 279-288.	0.4	2
47	Capsule development, in vitro germination and plantlet acclimatization in <i>Phragmipedium humboldtii</i> , <i>P. longifolium</i> and <i>P. pearcei</i> . <i>Lankesteriana</i> , 0, , .	0.2	2
48	Effect of Processing on Biofunctionality of Selected Tropical Fruit Juices. <i>ACS Food Science & Technology</i> , 2022, 2, 455-473.	1.3	2
49	Standard Protocols for in Vitro Propagation of Bamboo with Emphasis on Axillary Shoot Proliferation. , 2021, , 63-84.		1
50	Desarrollo de cápsulas y germinación in vitro de <i>Phragmipedium humboldtii</i> , <i>P. longifolium</i> y <i>P. pearcei</i> . <i>Lankesteriana</i> , 2015, 7, .	0.2	1
51	CHAPTER 2. Carotenoid Assembly in Fruits and Vegetables. <i>Food Chemistry, Function and Analysis</i> , 2019, , 51-67.	0.1	1
52	Taxonomy, botany and plant development.. , 2020, , 24-36.		1