

Darwin Ortiz

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

483
citations

1039406

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839053

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23
all docs

23
docs citations

23
times ranked

551
citing authors

#	ARTICLE	IF	CITATIONS
1	Tolerance to Postharvest Physiological Deterioration in Cassava Roots. <i>Crop Science</i> , 2010, 50, 1333-1338.	0.8	94
2	Prediction of carotenoids, cyanide and dry matter contents in fresh cassava root using NIRS and Hunter color techniques. <i>Food Chemistry</i> , 2014, 151, 444-451.	4.2	84
3	Rapid Cycling Recurrent Selection for Increased Carotenoids Content in Cassava Roots. <i>Crop Science</i> , 2013, 53, 2342-2351.	0.8	80
4	Influence of Temperature and Humidity on the Stability of Carotenoids in Biofortified Maize (<i>Zea mays</i> L.). <i>Food Chemistry</i> , 2016, 64, 2727-2736.	2.4	56
5	Spatial distribution of dry matter in yellow fleshed cassava roots and its influence on carotenoid retention upon boiling. <i>Food Research International</i> , 2012, 45, 52-59.	2.9	35
6	Carotenoid Stability during Dry Milling, Storage, and Extrusion Processing of Biofortified Maize Genotypes. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4683-4691.	2.4	27
7	Iron, Zinc, and Protein Bioavailability Proxy Measures of Meals Prepared with Nutritionally Enhanced Beans and Maize. <i>Journal of Food Science</i> , 2009, 74, H147-54.	1.5	24
8	Biofortified orange corn increases xanthophyll density and yolk pigmentation in egg yolks from laying hens. <i>Poultry Science</i> , 2021, 100, 101117.	1.5	18
9	Assessment of oxygen sequestration on effectiveness of Purdue Improved Crop Storage (PICS) bags in reducing carotenoid degradation during post-harvest storage of two biofortified orange maize genotypes. <i>Journal of Cereal Science</i> , 2019, 87, 68-77.	1.8	15
10	High-density linkage mapping of vitamin E content in maize grain. <i>Molecular Breeding</i> , 2018, 38, 1.	1.0	10
11	Genetic analysis of provitamin A carotenoid β -cryptoxanthin concentration and relationship with other carotenoids in maize grain (<i>Zea mays</i> L.). <i>Molecular Breeding</i> , 2017, 37, 1.	1.0	9
12	Nutritional Changes During Biofortified Maize Fermentation (Steeping) for Ogi Production. <i>FASEB Journal</i> , 2017, 31, 32.4.	0.2	7
13	Comparison between <i>in vitro</i> and <i>in vivo</i> methods to screen iron bioavailability. <i>CYTA - Journal of Food</i> , 2012, 10, 103-111.	0.9	5
14	Molecular analysis of the expression of a crtB transgene and the endogenous psy2-y 1 and psy2-y 2 genes of cassava and their effect on root carotenoid content. <i>Transgenic Research</i> , 2017, 26, 639-651.	1.3	4
15	Identification and Quantification of Carotenoids and Tocochromanols in Sorghum Grain by High-Performance Liquid Chromatography. <i>Methods in Molecular Biology</i> , 2019, 1931, 141-151.	0.4	4
16	Steeping of Biofortified Orange Maize Genotypes for Ogi Production Modifies Pasting Properties and Carotenoid Stability. <i>Agronomy</i> , 2019, 9, 771.	1.3	4
17	EVALUACIÓN DE LA COMPOSICIÓN NUTRICIONAL, ANTINUTRICIONAL Y BIODISPONIBILIDAD IN VITRO DE DIFERENTES EXTRACTOS FOLIARES. <i>Revista Chilena De Nutricion</i> , 2011, 38, 168-176.	0.1	3
18	Applied Research Note: "The impact of orange corn in laying hen diets on yolk pigmentation and xanthophyll carotenoid concentrations on a percent inclusion rate basis". <i>Journal of Applied Poultry Research</i> , 2021, , 100218.	0.6	1

#	ARTICLE	IF	CITATIONS
19	Research Note: Orange corn altered the cecal microbiome in laying hens. Poultry Science, 2022, 101, 101685.	1.5	1
20	Nutrient Profile of Native Foods Consumed by Indigenous Colombians. FASEB Journal, 2011, 25, lb241.	0.2	0
21	Influence of temperature and humidity on the stability of carotenoids in biofortified maize genotypes. FASEB Journal, 2016, 30, 914.3.	0.2	0