Maura N Laus

List of Publications by Year
in descending order

33	796	516561 16	501076 28
papers	citations	h-index	g-index

33	33	33	981
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Possible plant mitochondria involvement in cell adaptation to drought stress: A case study: durum wheat mitochondria. Journal of Experimental Botany, 2006, 58, 195-210.	2.4	172
2	Alternative Oxidase in Durum Wheat Mitochondria. Activation by Pyruvate, Hydroxypyruvate and Glyoxylate and Physiological Role. Plant and Cell Physiology, 2001, 42, 1373-1382.	1.5	66
3	Shades of red: Comparative study on supercritical CO 2 extraction of lycopene-rich oleoresins from gac, tomato and watermelon fruits and effect of the Î±-cyclodextrin clathrated extracts on cultured lung adenocarcinoma cellsâ€™ viability. Journal of Food Composition and Analysis, 2018, 65, 23-32.	1.9	44
4	The uncoupling protein and the potassium channel are activated by hyperosmotic stress in mitochondria from durum wheat seedlings. Plant, Cell and Environment, 2004, 27, 437-448.	2.8	43
5	Plant Inner Membrane Anion Channel (PIMAC) Function in Plant Mitochondria. Plant and Cell Physiology, 2008, 49, 1039-1055.	1.5	35
6	Activation of the plant mitochondrial potassium channel by free fatty acids and acyl-CoA esters: a possible defence mechanism in the response to hyperosmotic stress. Journal of Experimental Botany, 2011, 62, 141-154.	2.4	35
7	Antioxidant Activity of Free and Bound Compounds in Quinoa (Chenopodium quinoa Willd.) Seeds in Comparison with Durum Wheat and Emmer. Journal of Food Science, 2012, 77, C1150-5.	1.5	34
8	Reactive oxygen species inhibit the succinate oxidation-supported generation of membrane potential in wheat mitochondria. FEBS Letters, 2002, 516, 15-19.	1.3	32
9	The existence of phospholipase A2 activity in plant mitochondria and its activation by hyperosmotic stress in durum wheat (Triticum durum Desf.). Plant Science, 2013, 199-200, 91-102.	1.7	26
10	Modulation of Potassium Channel Activity in the Balance of ROS and ATP Production by Durum Wheat Mitochondriaâ€"An Amazing Defense Tool Against Hyperosmotic Stress. Frontiers in Plant Science, 2015, 6, 1072.	1.7	26
11	Influence of Drought and Salt Stress on Durum Wheat Grain Quality and Composition: A Review. Plants, 2021, 10, 2599.	1.6	26
12	Different effectiveness of two pastas supplemented with either lipophilic or hydrophilic/phenolic antioxidants in affecting serum as evaluated by the novel Antioxidant/Oxidant Balance approach. Food Chemistry, 2017, 221, 278-288.	4.2	25
13	Mitochondrial proline oxidation is affected by hyperosmotic stress in durum wheat seedlings. Annals of Applied Biology, 2010, 157, 1-11.	1.3	24
14	New Tool To Evaluate a Comprehensive Antioxidant Activity in Food Extracts: Bleaching of 4-Nitroso-N,N-dimethylaniline Catalyzed by Soybean Lipoxygenase-1. Journal of Agricultural and Food Chemistry, 2009, 57, 9682-9692.	2.4	20
15	Dissection of antioxidant activity of durum wheat (Triticum durum Desf.) grains as evaluated by the new LOX/RNO method. Journal of Cereal Science, 2012, 56, 214-222.	1.8	19
16	Bioactive Compounds and Antioxidant Capacity in Anthocyanin-Rich Carrots: A Comparison between the Black Carrot and the Apulian Landrace â€œPolignanoâ€•Carrot. Plants, 2021, 10, 564.	1.6	19
17	Evaluation of Phenolic Antioxidant Capacity in Grains of Modern and Old Durum Wheat Genotypes by the Novel QUENCHERABTS Approach. Plant Foods for Human Nutrition, 2015, 70, 207-214.	1.4	17
18	Antioxidant/Oxidant Balance as a novel approach to evaluate the effect on serum of long-term intake of plant antioxidant-rich foods. Journal of Functional Foods, 2018, 40, 778-784.	1.6	17

#	Article	IF	Citations
19	Potassium channelâ€oxidative phosphorylation relationship in durum wheat mitochondria from control and hyperosmoticâ€stressed seedlings. Plant, Cell and Environment, 2011, 34, 2093-2108.	2.8	16
20	Assessment of Antioxidant Capacity and Putative Healthy Effects of Natural Plant Products Using Soybean Lipoxygenase-Based Methods. An Overview. Molecules, 2018, 23, 3244.	1.7	15
21	Transport Pathwaysâ€"Proton Motive Force Interrelationship in Durum Wheat Mitochondria. International Journal of Molecular Sciences, 2014, 15, 8186-8215.	1.8	12
22	The soybean lipoxygenase-fluorescein reaction may be used to assess antioxidant capacity of phytochemicals and serum. Analytical Methods, 2016, 8, 4354-4362.	1.3	12
23	The uniqueness of the plant mitochondrial potassium channel. BMB Reports, 2013, 46, 391-397.	1.1	11
24	A new simple fluorimetric method to assay cytosolic ATP content: application to durum wheat seedlings to assess modulation of mitochondrial potassium channel and uncoupling protein activity under hyperosmotic stress. Biologia (Poland), 2013, 68, 421-432.	0.8	9
25	Changes in Antioxidant Defence System in Durum Wheat under Hyperosmotic Stress: A Concise Overview. Plants, 2022, 11, 98.	1.6	9
26	Measuring Activity of Native Plant Sirtuins - The Wheat Mitochondrial Model. Frontiers in Plant Science, 2018, 9, 961.	1.7	7
27	Antioxidant capacity, phenolic and vitamin C contents of quinoa (Chenopodium quinoa Willd.) as affected by sprouting and storage conditions. Italian Journal of Agronomy, 2017, 12, .	0.4	6
28	Antioxidant capacity of durum wheat large flour particles may be evaluated by QUENCHER‹sub›ABTS‹/sub›assay by adopting a proper calculation mode. Cereal Research Communications, 2015, 43, 682-691.	0.8	5
29	First Evidence of a Protective Effect of Plant Bioactive Compounds against H2O2-Induced Aconitase Damage in Durum Wheat Mitochondria. Antioxidants, 2020, 9, 1256.	2.2	5
30	Serum antioxidant capacity and peroxide level of seven healthy subjects after consumption of different foods. Data in Brief, 2016, 9, 818-822.	0.5	4
31	An improved spectrophotometric phospholipase A2 assay using 1-palmitoyl-2-linoleoyl-sn-glycero-3-phosphatidylcholine as substrate and lipoxygenase as coupled enzyme. Journal of the Korean Society for Applied Biological Chemistry, 2013, 56, 369-376.	0.9	2
32	Effects of Milling-process and pasta making on ABTSâ€¢+scavenging activity of hydrophilic and lipophilic extracts of durum wheat varieties. Cereal Research Communications, 2013, 41, 482-492.	0.8	2
33	Genome-Wide Expression Analysis of Glyoxalase I Genes Under Hyperosmotic Stress and Existence of a Stress-Responsive Mitochondrial Glyoxalase I Activity in Durum Wheat (Triticum durum Desf.). Frontiers in Plant Science, 0, 13, .	1.7	1