

Mario Soccio

List of Publications by Year in descending order

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34
papers

675
citations

516561

16
h-index

580701

25
g-index

34
all docs

34
docs citations

34
times ranked

931
citing authors

#	ARTICLE	IF	CITATIONS
1	TRPC6 Mutations in Children with Steroid-Resistant Nephrotic Syndrome and Atypical Phenotype. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2011, 6, 1626-1634.	2.2	89
2	Seeds of pomegranate, tomato and grapes: An underestimated source of natural bioactive molecules and antioxidants from agri-food by-products. <i>Journal of Food Composition and Analysis</i> , 2017, 63, 65-72.	1.9	68
3	Plant Inner Membrane Anion Channel (PIMAC) Function in Plant Mitochondria. <i>Plant and Cell Physiology</i> , 2008, 49, 1039-1055.	1.5	35
4	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. <i>Journal of Experimental Botany</i> , 2011, 62, 141-154.	2.4	35
5	Antioxidant Activity of Free and Bound Compounds in Quinoa (<i>Chenopodium quinoa</i> Willd.) Seeds in Comparison with Durum Wheat and Emmer. <i>Journal of Food Science</i> , 2012, 77, C1150-5.	1.5	34
6	The existence of phospholipase A2 activity in plant mitochondria and its activation by hyperosmotic stress in durum wheat (<i>Triticum durum</i> Desf.). <i>Plant Science</i> , 2013, 199-200, 91-102.	1.7	26
7	Modulation of Potassium Channel Activity in the Balance of ROS and ATP Production by Durum Wheat Mitochondria – An Amazing Defense Tool Against Hyperosmotic Stress. <i>Frontiers in Plant Science</i> , 2015, 6, 1072.	1.7	26
8	Influence of Drought and Salt Stress on Durum Wheat Grain Quality and Composition: A Review. <i>Plants</i> , 2021, 10, 2599.	1.6	26
9	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. <i>Food Chemistry</i> , 2017, 221, 278-288.	4.2	25
10	Mitochondrial proline oxidation is affected by hyperosmotic stress in durum wheat seedlings. <i>Annals of Applied Biology</i> , 2010, 157, 1-11.	1.3	24
11	ATP-Sensitive Cation-channel in Wheat (<i>Triticum durum</i> Desf.): Identification and Characterization of a Plant Mitochondrial Channel by Patch-clamp. <i>Cellular Physiology and Biochemistry</i> , 2010, 26, 975-982.	1.1	23
12	Stay-green trait-antioxidant status interrelationship in durum wheat (<i>Triticum durum</i>) flag leaf during post-flowering. <i>Journal of Plant Research</i> , 2014, 127, 159-171.	1.2	23
13	New Tool To Evaluate a Comprehensive Antioxidant Activity in Food Extracts: Bleaching of 4-Nitroso-N,N-dimethylaniline Catalyzed by Soybean Lipooxygenase-1. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 9682-9692.	2.4	20
14	Dissection of antioxidant activity of durum wheat (<i>Triticum durum</i> Desf.) grains as evaluated by the new LOX/RNO method. <i>Journal of Cereal Science</i> , 2012, 56, 214-222.	1.8	19
15	Bioactive Compounds and Antioxidant Capacity in Anthocyanin-Rich Carrots: A Comparison between the Black Carrot and the Apulian Landrace – Polignano Carrot. <i>Plants</i> , 2021, 10, 564.	1.6	19
16	Evaluation of Phenolic Antioxidant Capacity in Grains of Modern and Old Durum Wheat Genotypes by the Novel QUENCHERABTS Approach. <i>Plant Foods for Human Nutrition</i> , 2015, 70, 207-214.	1.4	17
17	Antioxidant/Oxidant Balance as a novel approach to evaluate the effect on serum of long-term intake of plant antioxidant-rich foods. <i>Journal of Functional Foods</i> , 2018, 40, 778-784.	1.6	17
18	Potassium channel-oxidative phosphorylation relationship in durum wheat mitochondria from control and hyperosmotic-stressed seedlings. <i>Plant, Cell and Environment</i> , 2011, 34, 2093-2108.	2.8	16

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19	Assessment of Antioxidant Capacity and Putative Healthy Effects of Natural Plant Products Using Soybean Lipoxygenase-Based Methods. An Overview. <i>Molecules</i> , 2018, 23, 3244.	1.7	15
20	In Vitro Antioxidant Capacity of <i>Opuntia</i> spp. Fruits Measured by the LOX-FL Method and its High Sensitivity Towards Betalains. <i>Plant Foods for Human Nutrition</i> , 2021, 76, 354-362.	1.4	15
21	The Transcript Levels of two Plant Mitochondrial Uncoupling Protein (pUCP)-Related Genes are not Affected by Hyperosmotic Stress in Durum Wheat Seedlings Showing an Increased Level of pUCP Activity. <i>Bioscience Reports</i> , 2006, 26, 251-261.	1.1	12
22	Transport Pathwaysâ€™ Proton Motive Force Interrelationship in Durum Wheat Mitochondria. <i>International Journal of Molecular Sciences</i> , 2014, 15, 8186-8215.	1.8	12
23	The soybean lipoxygenase-fluorescein reaction may be used to assess antioxidant capacity of phytochemicals and serum. <i>Analytical Methods</i> , 2016, 8, 4354-4362.	1.3	12
24	The uniqueness of the plant mitochondrial potassium channel. <i>BMB Reports</i> , 2013, 46, 391-397.	1.1	11
25	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. <i>Biologia (Poland)</i> , 2013, 68, 421-432.	0.8	9
26	Changes in Antioxidant Defence System in Durum Wheat under Hyperosmotic Stress: A Concise Overview. <i>Plants</i> , 2022, 11, 98.	1.6	9
27	Loss of ZmLIPOXYGENASE4 Decreases <i>Fusarium verticillioides</i> Resistance in Maize Seedlings. <i>Genes</i> , 2021, 12, 335.	1.0	8
28	Measuring Activity of Native Plant Sirtuins - The Wheat Mitochondrial Model. <i>Frontiers in Plant Science</i> , 2018, 9, 961.	1.7	7
29	Antioxidant/Oxidant Balance: Application as a biomarker of the antioxidant status in plasma of ewes fed seaweed <i>Ascophyllum nodosum</i> and flaxseed under high ambient temperature. <i>Small Ruminant Research</i> , 2019, 170, 102-108.	0.6	6
30	Antioxidant capacity of durum wheat large flour particles may be evaluated by QUENCHER_{ABTS} assay by adopting a proper calculation mode. <i>Cereal Research Communications</i> , 2015, 43, 682-691.	0.8	5
31	First Evidence of a Protective Effect of Plant Bioactive Compounds against H ₂ O ₂ -Induced Aconitase Damage in Durum Wheat Mitochondria. <i>Antioxidants</i> , 2020, 9, 1256.	2.2	5
32	Serum antioxidant capacity and peroxide level of seven healthy subjects after consumption of different foods. <i>Data in Brief</i> , 2016, 9, 818-822.	0.5	4
33	An improved spectrophotometric phospholipase A ₂ assay using 1-palmitoyl-2-linoleoyl-sn-glycero-3-phosphatidylcholine as substrate and lipoxygenase as coupled enzyme. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2013, 56, 369-376.	0.9	2
34	Genome-Wide Expression Analysis of Glyoxalase I Genes Under Hyperosmotic Stress and Existence of a Stress-Responsive Mitochondrial Glyoxalase I Activity in Durum Wheat (<i>Triticum durum</i> Desf.). <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1