

Donato Pastore

List of Publications by Year in descending order

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54
papers

1,876
citations

279701

23
h-index

254106

43
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54
all docs

54
docs citations

54
times ranked

1961
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
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 β -cyclodextrin clathrated extracts on cultured lung adenocarcinoma cells'™ viability. <i>Journal of Food Composition and Analysis</i> , 2018, 65, 23-32.	1.9	44
4	The Effect of Sulforaphane on Glyoxalase I Expression and Activity in Peripheral Blood Mononuclear Cells. <i>Nutrients</i> , 2018, 10, 1773.	1.7	10
5	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
6	Measuring Activity of Native Plant Sirtuins - The Wheat Mitochondrial Model. <i>Frontiers in Plant Science</i> , 2018, 9, 961.	1.7	7
7	Chemical, physical and sensorial characterization of fresh quinoa sprouts (<i>Chenopodium quinoa</i>) and Shelf Life, 2017, 14, 52-58.	3.3	16
8	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
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	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
11	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
12	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
13	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
14	Evaluation of Phenolic Antioxidant Capacity in Grains of Modern and Old Durum Wheat Genotypes by the Novel QUENCHER _{ABTS} Approach. <i>Plant Foods for Human Nutrition</i> , 2015, 70, 207-214.	1.4	17
15	Transport Pathways – Proton Motive Force Interrelationship in Durum Wheat Mitochondria. <i>International Journal of Molecular Sciences</i> , 2014, 15, 8186-8215.	1.8	12
16	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
17	The Puzzle of the Molecular Identification of Mitochondrial Potassium Channels: Progress in Animals and Impasse in Plants. <i>Bioenergetics: Open Access</i> , 2014, 02, .	0.1	1
18	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

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19	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
20	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
21	Effects of Milling-process and pasta making on ABTS-scavenging activity of hydrophilic and lipophilic extracts of durum wheat varieties. <i>Cereal Research Communications</i> , 2013, 41, 482-492.	0.8	2
22	The uniqueness of the plant mitochondrial potassium channel. <i>BMB Reports</i> , 2013, 46, 391-397.	1.1	11
23	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
24	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
25	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
26	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
27	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
28	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
29	New Tool To Evaluate a Comprehensive Antioxidant Activity in Food Extracts: Bleaching of 4-Nitroso-N,N-dimethylaniline Catalyzed by Soybean Lipoxygenase-1. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 9682-9692.	2.4	20
30	Plant Inner Membrane Anion Channel (PIMAC) Function in Plant Mitochondria. <i>Plant and Cell Physiology</i> , 2008, 49, 1039-1055.	1.5	35
31	Plant uncoupling protein in mitochondria from aged-dehydrated slices of Jerusalem artichoke tubers becomes sensitive to superoxide and to hydrogen peroxide without increase in protein level. <i>Biochimie</i> , 2006, 88, 179-188.	1.3	12
32	Seawater stress applied at germination affects mitochondrial function in durum wheat (<i>Triticum</i>)	1.1	45
33	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
34	Possible plant mitochondria involvement in cell adaptation to drought stress: A case study: durum wheat mitochondria. <i>Journal of Experimental Botany</i> , 2006, 58, 195-210.	2.4	172
35	The uncoupling protein and the potassium channel are activated by hyperosmotic stress in mitochondria from durum wheat seedlings. <i>Plant, Cell and Environment</i> , 2004, 27, 437-448.	2.8	43
36	Isolated Durum Wheat and Potato Cell Mitochondria Oxidize Externally Added NADH Mostly via the Malate/Oxaloacetate Shuttle with a Rate That Depends on the Carrier-Mediated Transport. <i>Plant Physiology</i> , 2003, 133, 2029-2039.	2.3	38

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37	Reactive oxygen species inhibit the succinate oxidation-supported generation of membrane potential in wheat mitochondria. FEBS Letters, 2002, 516, 15-19.	1.3	32
38	Increase of Membrane Permeability of Mitochondria Isolated from Water Stress Adapted Potato Cells. Bioscience Reports, 2001, 21, 81-91.	1.1	26
39	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
40	p-Nitrosodimethylaniline (RNO) bleaching by soybean lipoxygenase-1. Biochemical characterization and coupling with oxodiene formation. Plant Physiology and Biochemistry, 2000, 38, 845-852.	2.8	11
41	Inhibition by α -Tocopherol and L-Ascorbate of Linoleate Hydroperoxidation and β -Carotene Bleaching Activities in Durum Wheat Semolina. Journal of Cereal Science, 2000, 31, 41-54.	1.8	40
42	Effects of fatty acids, nucleotides and reactive oxygen species on durum wheat mitochondria. FEBS Letters, 2000, 470, 88-92.	1.3	66
43	The Existence of the K ⁺ Channel in Plant Mitochondria. Journal of Biological Chemistry, 1999, 274, 26683-26690.	1.6	107
44	Carotenoid Dependent Inhibition of Durum Wheat Lipoxygenase. Journal of Cereal Science, 1999, 29, 99-102.	1.8	51
45	Substrate oxidation and ADP/ATP exchange in coupled durum wheat (<i>Triticum durum</i> Desf.) mitochondria. Plant Biosystems, 1999, 133, 219-228.	0.8	18
46	The maintenance of photosynthetic electron transport in relation to osmotic adjustment in durum wheat cultivars differing in drought resistance. Plant Science, 1996, 118, 127-133.	1.7	24
47	The quantum yield of photosynthetic electron transport evaluated by chlorophyll fluorescence as an indicator of drought tolerance in durum wheat. Journal of Agricultural Science, 1995, 125, 325-329.	0.6	32
48	Plant Mitochondria are Sensitive to Helium-Neon Laser Light. Giornale Botanico Italiano (Florence), 1990, 10, 10-15.	0.0	0
49	Photochemical quenching of chlorophyll fluorescence and drought tolerance in different durum wheat (<i>Triticum durum</i>) cultivars. Journal of Agricultural Science, 1994, 122, 183-192.	0.6	31
50	Increase in $\frac{H^+}{e^-}$ ratio of the cytochrome c oxidase reaction in mitochondria irradiated with helium-neon laser. IUBMB Life, 1994, 34, 817-26.	0.1	16
51	Helium- ³ neon laser irradiation of rat liver mitochondria gives rise to a new subpopulation of mitochondria: Isolation and first biochemical characterization. Journal of Photochemistry and Photobiology B: Biology, 1991, 10, 71-78.	1.7	12
52	Pressure-volume curves and drought resistance in two wheat genotypes. Physiologia Plantarum, 1988, 73, 122-127.	2.6	25
53	He-Ne laser irradiation influences oxidative phosphorylation in isolated rat liver mitochondria in vitro. , 1985, , .		0
54	Increase of proton electrochemical potential and ATP synthesis in rat liver mitochondria irradiated in vitro by helium- ³ neon laser. FEBS Letters, 1984, 175, 95-99.	1.3	433