

# Maura N Laus

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/997170/publications.pdf>

Version: 2024-02-01

33  
papers

796  
citations

516561

16  
h-index

501076

28  
g-index

33  
all docs

33  
docs citations

33  
times ranked

981  
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in Antioxidant Defence System in Durum Wheat under Hyperosmotic Stress: A Concise Overview. <i>Plants</i> , 2022, 11, 98.	1.6	9
2	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
3	Influence of Drought and Salt Stress on Durum Wheat Grain Quality and Composition: A Review. <i>Plants</i> , 2021, 10, 2599.	1.6	26
4	First Evidence of a Protective Effect of Plant Bioactive Compounds against H <sub>2</sub> O <sub>2</sub> -Induced Aconitase Damage in Durum Wheat Mitochondria. <i>Antioxidants</i> , 2020, 9, 1256.	2.2	5
5	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
6	Shades of red: Comparative study on supercritical CO <sub>2</sub> extraction of lycopene-rich oleoresins from gac, tomato and watermelon fruits and effect of the $\beta$ -cyclodextrin clathrated extracts on cultured lung adenocarcinoma cells' viability. <i>Journal of Food Composition and Analysis</i> , 2018, 65, 23-32.	1.9	44
7	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
8	Measuring Activity of Native Plant Sirtuins - The Wheat Mitochondrial Model. <i>Frontiers in Plant Science</i> , 2018, 9, 961.	1.7	7
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	Antioxidant capacity, phenolic and vitamin C contents of quinoa ( <i>Chenopodium quinoa</i> Willd.) as affected by sprouting and storage conditions. <i>Italian Journal of Agronomy</i> , 2017, 12, .	0.4	6
11	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
12	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
13	Antioxidant capacity of durum wheat large flour particles may be evaluated by QUENCHER <sub>ABTS</sub> assay by adopting a proper calculation mode. <i>Cereal Research Communications</i> , 2015, 43, 682-691.	0.8	5
14	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
15	Evaluation of Phenolic Antioxidant Capacity in Grains of Modern and Old Durum Wheat Genotypes by the Novel QUENCHER <sub>ABTS</sub> Approach. <i>Plant Foods for Human Nutrition</i> , 2015, 70, 207-214.	1.4	17
16	Transport Pathways "Proton Motive Force Interrelationship in Durum Wheat Mitochondria. <i>International Journal of Molecular Sciences</i> , 2014, 15, 8186-8215.	1.8	12
17	An improved spectrophotometric phospholipase A <sub>2</sub> 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
18	The existence of phospholipase A <sub>2</sub> 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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	The uniqueness of the plant mitochondrial potassium channel. <i>BMB Reports</i> , 2013, 46, 391-397.	1.1	11
22	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
23	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
24	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
25	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
26	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
27	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
28	Plant Inner Membrane Anion Channel (PIMAC) Function in Plant Mitochondria. <i>Plant and Cell Physiology</i> , 2008, 49, 1039-1055.	1.5	35
29	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
30	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
31	Reactive oxygen species inhibit the succinate oxidation-supported generation of membrane potential in wheat mitochondria. <i>FEBS Letters</i> , 2002, 516, 15-19.	1.3	32
32	Alternative Oxidase in Durum Wheat Mitochondria. Activation by Pyruvate, Hydroxypyruvate and Glyoxylate and Physiological Role. <i>Plant and Cell Physiology</i> , 2001, 42, 1373-1382.	1.5	66
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 ( <i>Triticum durum</i> Desf.). <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	1