

# Domenico Castaldo

## List of Publications by Citations

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46  
papers

1,205  
citations

20  
h-index

34  
g-index

48  
ext. papers

1,362  
ext. citations

5.3  
avg, IF

3.92  
L-index

#	Paper	IF	Citations
46	Bioavailability of encapsulated resveratrol into nanoemulsion-based delivery systems. <i>Food Chemistry</i> , <b>2014</b> , 147, 42-50	8.5	198
45	A glycoprotein inhibitor of pectin methylesterase in kiwi fruit ( <i>Actinidia chinensis</i> ). <i>FEBS Journal</i> , <b>1990</b> , 193, 183-7		123
44	A glycoprotein inhibitor of pectin methylesterase in kiwi fruit. Purification by affinity chromatography and evidence of a ripening-related precursor. <i>FEBS Journal</i> , <b>1995</b> , 233, 926-9		79
43	Assessment of agronomic, chemical and genetic variability in common basil ( <i>Ocimum basilicum</i> L.). <i>European Food Research and Technology</i> , <b>2006</b> , 223, 273-281	3.4	76
42	Purification and properties of pectin methylesterase from mandarin orange fruit. <i>Journal of Agricultural and Food Chemistry</i> , <b>1992</b> , 40, 591-593	5.7	49
41	An uncommon redox behavior sheds light on the cellular antioxidant properties of ergothioneine. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 79, 228-36	7.8	48
40	Betaines in fruits of Citrus genus plants. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 9410-6	5.7	43
39	PURIFICATION AND CHARACTERIZATION OF THREE ISOZYMES OF PECTIN METHYLESTERASE FROM TOMATO FRUIT. <i>Journal of Food Biochemistry</i> , <b>1993</b> , 17, 339-349	3.3	40
38	Stachydrine ameliorates high-glucose induced endothelial cell senescence and SIRT1 downregulation. <i>Journal of Cellular Biochemistry</i> , <b>2013</b> , 114, 2522-30	4.7	39
37	Where does N <sup>ε</sup> -trimethyllysine for the carnitine biosynthesis in mammals come from?. <i>PLoS ONE</i> , <b>2014</b> , 9, e84589	3.7	36
36	Occurrence of pipercolic acid and pipercolic acid betaine (homostachydrine) in Citrus genus plants. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 315-21	5.7	36
35	Estimating bergamot juice adulteration of lemon juice by high-performance liquid chromatography (HPLC) analysis of flavanone glycosides. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 5407-14	5.7	29
34	Thermal resistance of pectin methylesterase in tomato juice. <i>Food Chemistry</i> , <b>1995</b> , 52, 135-138	8.5	29
33	Ruminant meat and milk contain β-valerobetaine, another precursor of trimethylamine N-oxide (TMAO) like β-butyrobetaine. <i>Food Chemistry</i> , <b>2018</b> , 260, 193-199	8.5	27
32	Proline derivatives in fruits of bergamot ( <i>Citrus bergamia</i> Risso et Poit): presence of N-methyl-L-proline and 4-hydroxy-L-prolinebetaine. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 274-81	5.7	23
31	The betaine profile of cereal flours unveils new and uncommon betaines. <i>Food Chemistry</i> , <b>2018</b> , 239, 234-241	8.5	21
30	Citrus genus plants contain N-methylated tryptamine derivatives and their 5-hydroxylated forms. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 5156-62	5.7	21

29	The methylarginines NMMA, ADMA, and SDMA are ubiquitous constituents of the main vegetables of human nutrition. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2013</b> , 30, 43-8	5	20
28	Determination of polychlorinated dibenzo-p-dioxins (PCDDs), polychlorinated dibenzo-p-furans (PCDFs) and polychlorinated biphenyls (PCBs) in buffalo milk and mozzarella cheese. <i>European Food Research and Technology</i> , <b>2006</b> , 223, 51-56	3.4	20
27	Genotyping of fig ( <i>Ficus carica</i> L) via RAPD markers. <i>Journal of the Science of Food and Agriculture</i> , <b>2005</b> , 85, 2235-2242	4.3	20
26	Elemental content and nutritional study of blood orange juice. <i>Journal of the Science of Food and Agriculture</i> , <b>2009</b> , 89, 2283-2291	4.3	18
25	N-methylated tryptamine derivatives in citrus genus plants: identification of N,N,N-trimethyltryptamine in bergamot. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 9512-8	5.7	17
24	Bergamot essential oil nanoemulsions: antimicrobial and cytotoxic activity. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , <b>2020</b> , 75, 279-290	1.7	17
23	Homostachydrine (pipercolic acid betaine) as authentication marker of roasted blends of <i>Coffea arabica</i> and <i>Coffea canephora</i> (Robusta) beans. <i>Food Chemistry</i> , <b>2016</b> , 205, 52-7	8.5	16
22	N-methylated derivatives of tyramine in citrus genus plants: identification of N,N,N-trimethyltyramine (candicine). <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 2679-84	5.7	15
21	Experimental Evidence and In Silico Identification of Tryptophan Decarboxylase in Citrus Genus. <i>Molecules</i> , <b>2017</b> , 22,	4.8	13
20	Agronomic, chemical and genetic profiles of hot peppers ( <i>Capsicum annum</i> ssp.). <i>Molecular Nutrition and Food Research</i> , <b>2007</b> , 51, 1053-62	5.9	13
19	The detection of residual pectin methylesterase activity in pasteurized tomato juices. <i>International Journal of Food Science and Technology</i> , <b>1996</b> , 31, 313-318	3.8	13
18	Determination of homoarginine, arginine, NMMA, ADMA, and SDMA in biological samples by HPLC-ESI-mass spectrometry. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 20131-8	6.3	12
17	Tyramine Pathways in Citrus Plant Defense: Glycoconjugates of Tyramine and Its N-Methylated Derivatives. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 892-899	5.7	11
16	Ergothioneine products derived by superoxide oxidation in endothelial cells exposed to high-glucose. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 108, 8-18	7.8	11
15	Betaines and related ammonium compounds in chestnut ( <i>Castanea sativa</i> Mill.). <i>Food Chemistry</i> , <b>2016</b> , 196, 1301-9	8.5	11
14	THERMORESISTANCE OF PECTIN METHYLESTERASE IN SANGUINELLO ORANGE JUICE. <i>Journal of Food Biochemistry</i> , <b>2001</b> , 25, 105-115	3.3	10
13	Serotonin 5-O-β-Glucoside and Its N-Methylated Forms in Citrus Genus Plants. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 4220-7	5.7	9
12	Ophthalmic acid is a marker of oxidative stress in plants as in animals. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2018</b> , 1862, 991-998	4	9

11	Thermal inactivation of pectin methylesterase in pineapple juice. <i>Journal of Food Measurement and Characterization</i> , <b>2018</b> , 12, 2795-2800	2.8	9
10	The Ancient Neapolitan Sweet Lime and the Calabrian Lemoncetta Locrese Belong to the Same Citrus Species. <i>Molecules</i> , <b>2019</b> , 25,	4.8	5
9	Enzymes in Citrus Juice Processing <b>2010</b> , 197-214		4
8	Glucosylated forms of serotonin and tryptophan in green coffee beans. <i>LWT - Food Science and Technology</i> , <b>2016</b> , 73, 117-122	5.4	4
7	CHAPTER 12: Occurrence and Analysis of Betaines in Fruits. <i>Food and Nutritional Components in Focus</i> , <b>2015</b> , 178-199		3
6	Structure and Ligands Interactions of Tryptophan Decarboxylase by Molecular Modeling and Docking Simulations. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	2
5	Survey of polychlorinated dibenzo-p-dioxins (PCDDs), Polychlorinated Dibenzo-p-furans (PCDFs), polychlorinated biphenyls (PCBs), and mineral components in Italian citrus cold-pressed essential oils. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 1627-37	5.7	2
4	Improving diced tomato firmness by pulsed vacuum calcification. <i>LWT - Food Science and Technology</i> , <b>2018</b> , 92, 451-457	5.4	1
3	Colorectal Cancer Apoptosis Induced by Dietary Valerobetaine Involves PINK1/Parkin Dependent-Mitophagy and SIRT3. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
2	Amino acids, betaines and related ammonium compounds in Neapolitan limmo, a Mediterranean sweet lime, also known as lemoncetta Locrese. <i>Journal of the Science of Food and Agriculture</i> , <b>2021</b> , 101, 981-988	4.3	0
1	Global warming threatens the world production of bergamot essential oil. <i>Industrial Crops and Products</i> , <b>2021</b> , 172, 113986	5.9	0