

Sofia Caretto

List of Publications by Year in descending order

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331538

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43
all docs

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docs citations

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times ranked

1901
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon Fluxes between Primary Metabolism and Phenolic Pathway in Plant Tissues under Stress. International Journal of Molecular Sciences, 2015, 16, 26378-26394.	1.8	227
2	Wheat Bran Phenolic Acids: Bioavailability and Stability in Whole Wheat-Based Foods. Molecules, 2015, 20, 15666-15685.	1.7	112
3	Genetic transformation in the grain legume <i>Cicer arietinum</i> L. (chickpea). Plant Cell Reports, 1993, 12, 194-8.	2.8	97
4	Methyl jasmonate and miconazole differently affect artemisinin production and gene expression in <i>Artemisia annua</i> suspension cultures. Plant Biology, 2011, 13, 51-58.	1.8	78
5	ROS Production and Scavenging under Anoxia and Re-Oxygenation in Arabidopsis Cells: A Balance between Redox Signaling and Impairment. Frontiers in Plant Science, 2016, 7, 1803.	1.7	53
6	Influence of an increased NaCl concentration on yield and quality of cherry tomato grown in <i>Posidonia oceanica</i> (L.) Delile. Journal of the Science of Food and Agriculture, 2004, 84, 1885-1890.	1.7	45
7	β -Cyclodextrins enhance artemisinin production in <i>Artemisia annua</i> suspension cell cultures. Applied Microbiology and Biotechnology, 2011, 90, 1905-1913.	1.7	45
8	Durum wheat by-products as natural sources of valuable nutrients. Phytochemistry Reviews, 2012, 11, 255-262.	3.1	43
9	Tocopherol production in plant cell cultures. Molecular Nutrition and Food Research, 2010, 54, 726-730.	1.5	42
10	Ascorbate and glutathione metabolism in two sunflower cell lines of differing β -tocopherol biosynthetic capability. Plant Physiology and Biochemistry, 2002, 40, 509-513.	2.8	41
11	Sea fennel (<i>Crithmum maritimum</i> L.): from underutilized crop to new dried product for food use. Genetic Resources and Crop Evolution, 2017, 64, 205-216.	0.8	40
12	Chlorsulfuron resistance in <i>Daucus carota</i> cell lines and plants: Involvement of gene amplification. Theoretical and Applied Genetics, 1994, 88, 520-524.	1.8	37
13	Enhancement of vitamin E production in sunflower cell cultures. Plant Cell Reports, 2004, 23, 174-9.	2.8	37
14	Effects of Sodium Alginate Bead Encapsulation on the Storage Stability of Durum Wheat (<i>Triticum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T Food Chemistry, 2012, 60, 10689-10695.	2.4	36
15	Phytochemical Composition and Anti-Inflammatory Activity of Extracts from the Whole-Meal Flour of Italian Durum Wheat Cultivars. International Journal of Molecular Sciences, 2015, 16, 3512-3527.	1.8	34
16	Influence of Potassium and Genotype on Vitamin E Content and Reducing Sugar of Tomato Fruits. Hortscience: A Publication of the American Society for Horticultural Science, 2008, 43, 2048-2051.	0.5	31
17	Strategies to Modulate Specialized Metabolism in Mediterranean Crops: From Molecular Aspects to Field. International Journal of Molecular Sciences, 2021, 22, 2887.	1.8	29
18	Improving β -tocopherol production in plant cell cultures. Journal of Plant Physiology, 2005, 162, 782-784.	1.6	26

#	ARTICLE	IF	CITATIONS
19	Quality assessment of ready-to-eat asparagus spears as affected by conventional and sous-vide cooking methods. <i>LWT - Food Science and Technology</i> , 2018, 92, 161-168.	2.5	26
20	Plant Cellular and Molecular Biotechnology: Following Mariotti's Steps. <i>Plants</i> , 2019, 8, 18.	1.6	26
21	Enhanced Production of Bioactive Isoprenoid Compounds from Cell Suspension Cultures of <i>Artemisia annua</i> L. Using β -Cyclodextrins. <i>International Journal of Molecular Sciences</i> , 2014, 15, 19092-19105.	1.8	21
22	Chromosomal monitoring of chromium-exposed workers. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1990, 242, 305-312.	1.2	18
23	Characterization of the glyphosate selection of carrot suspension cultures resulting in gene amplification. <i>Plant Science</i> , 1993, 88, 219-228.	1.7	16
24	Subcellular compartmentalization in protoplasts from <i>Artemisia annua</i> cell cultures: Engineering attempts using a modified SNARE protein. <i>Journal of Biotechnology</i> , 2015, 202, 146-152.	1.9	16
25	Induction of chromosomal aberrations and SCE by chloramphenicol. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1991, 248, 145-153.	0.4	15
26	<i>Agrobacterium rhizogenes</i> rol genes induce productivity-related phenotypical modifications in creeping-rooted alfalfa types. <i>Plant Cell Reports</i> , 1995, 14, 488-92.	2.8	14
27	Tocopherol biosynthesis is enhanced in photomixotrophic sunflower cell cultures. <i>Plant Cell Reports</i> , 2007, 26, 525-530.	2.8	14
28	Chromosomal aberration analysis of workers in tannery industries. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1991, 260, 331-336.	1.2	13
29	Optimization of the production of herbicidal toxins by the fungus <i>Ascochyta caulina</i> . <i>Biological Control</i> , 2012, 60, 192-198.	1.4	13
30	Signal transduction in artichoke [<i>Cynara cardunculus</i> L. subsp. <i>scolymus</i> (L.) Hayek] callus and cell suspension cultures under nutritional stress. <i>Plant Physiology and Biochemistry</i> , 2018, 127, 97-103.	2.8	13
31	Genome-Wide Identification of WRKY Genes in <i>Artemisia annua</i> : Characterization of a Putative Ortholog of AtWRKY40. <i>Plants</i> , 2020, 9, 1669.	1.6	13
32	Salicylic Acid Induces Exudation of Crocin and Phenolics in Saffron Suspension-Cultured Cells. <i>Plants</i> , 2020, 9, 949.	1.6	13
33	Stability and culture medium limitations of gene amplification in glyphosate resistant carrot cell lines. <i>Journal of Plant Physiology</i> , 1998, 152, 112-117.	1.6	12
34	Influence of thidiazuron on callus induction and crocin production in corm and style explants of <i>Crocus sativus</i> L.. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	12
35	Supplementary Light Differently Influences Physico-Chemical Parameters and Antioxidant Compounds of Tomato Fruits Hybrids. <i>Antioxidants</i> , 2021, 10, 687.	2.2	10
36	Cultivation of <i>Arabidopsis</i> cell cultures in a stirred bioreactor at variable oxygen levels: Influence on tocopherol production. <i>Plant Biosystems</i> , 2010, 144, 721-724.	0.8	9

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37	In Vitro Adventitious Regeneration of <i>Artemisia annua</i> L. Influencing Artemisinin Metabolism. <i>Horticulturae</i> , 2021, 7, 438.	1.2	3
38	Biochemical Evidence for Two Forms of Acetohydroxyacid Synthase in <i>Daucus carota</i> L. Cell Lines Selected for Chlorsulfuron Resistance. <i>Pesticide Biochemistry and Physiology</i> , 1999, 64, 76-84.	1.6	2
39	Acetohydroxyacid Synthase GENE Amplification Induces Clorsulfuron Resistance in <i>Daucus Carota</i> L.. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1995, , 235-240.	0.0	1
40	Chromosomal analysis on lymphocytes after hydroxyurea in G2 allows the detection of subthreshold mutagen-exposed workers. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1990, 234, 416.	0.4	0
41	Effect of dimethyl-beta-cyclodextrins on artemisinin production in <i>Artemisia annua</i> suspension cell cultures. <i>Journal of Biotechnology</i> , 2010, 150, 494-494.	1.9	0
42	<i>Artemisia annua</i> cell cultures as tools for investigating the production of bioactive compounds. <i>Planta Medica</i> , 2016, 81, S1-S381.	0.7	0