Sofia Caretto

List of Publications by Year
in descending order

42 papers	1,333 citations	331538 21 h-index	345118 36 g-index
43 all docs	43 docs citations	43 times ranked	1901 citing authors

#	Article	IF	Citations
1	Strategies to Modulate Specialized Metabolism in Mediterranean Crops: From Molecular Aspects to Field. International Journal of Molecular Sciences, 2021, 22, 2887.	1.8	29
2	Supplementary Light Differently Influences Physico-Chemical Parameters and Antioxidant Compounds of Tomato Fruits Hybrids. Antioxidants, 2021, 10, 687.	2.2	10
3	In Vitro Adventitious Regeneration of Artemisia annua L. Influencing Artemisinin Metabolism. Horticulturae, 2021, 7, 438.	1.2	3
4	Genome-Wide Identification of WRKY Genes in Artemisia annua: Characterization of a Putative Ortholog of AtWRKY40. Plants, 2020, 9, 1669.	1.6	13
5	Salycilic Acid Induces Exudation of Crocin and Phenolics in Saffron Suspension-Cultured Cells. Plants, 2020, 9, 949.	1.6	13
6	Plant Cellular and Molecular Biotechnology: Following Mariottiâ€™s Steps. Plants, 2019, 8, 18.	1.6	26
7	Quality assessment of ready-to-eat asparagus spears as affected by conventional and sous-vide cooking methods. LWT - Food Science and Technology, 2018, 92, 161-168.	2.5	26
8	Signal transduction in artichoke [Cynara cardunculus L. subsp. scolymus (L.) Hayek] callus and cell suspension cultures under nutritional stress. Plant Physiology and Biochemistry, 2018, 127, 97-103.	2.8	13
9	Influence of thidiazuron on callus induction and crocin production in corm and style explants of Crocus sativus L.. Acta Physiologiae Plantarum, 2018, 40, 1.	1.0	12
10	Sea fennel (Crithmum maritimum L.): from underutilized crop to new dried product for food use. Genetic Resources and Crop Evolution, 2017, 64, 205-216.	0.8	40
11	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
12	Artemisia annua cell cultures as tools for investigating the production of bioactive compounds. Planta Medica, 2016, 81, S1-S381.	0.7	0
13	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
14	Wheat Bran Phenolic Acids: Bioavailability and Stability in Whole Wheat-Based Foods. Molecules, 2015, 20, 15666-15685.	1.7	112
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	Subcellular compartmentalization in protoplasts from Artemisia annua cell cultures: Engineering attempts using a modified SNARE protein. Journal of Biotechnology, 2015, 202, 146-152.	1.9	16
17	Enhanced Production of Bioactive Isoprenoid Compounds from Cell Suspension Cultures of Artemisia annua L. Using Î²-Cyclodextrins. International Journal of Molecular Sciences, 2014, 15, 19092-19105.	1.8	21
18	Effects of Sodium Alginate Bead Encapsulation on the Storage Stability of Durum Wheat (<i>Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 T Food Chemistry, 2012, 60, 10689-10695.	2.4	36

#	ARTICLE	IF	CITATIONS
19	Durum wheat by-products as natural sources of valuable nutrients. Phytochemistry Reviews, 2012, 11, 255-262.	3.1	43
20	Optimization of the production of herbicidal toxins by the fungus Ascochyta caulina. Biological Control, 2012, 60, 192-198.	1.4	13
21	Methyl jasmonate and miconazole differently affect arteminisin production and gene expression in <i>Artemisia annua</i> suspension cultures. Plant Biology, 2011, 13, 51-58.	1.8	78
22	Î²-Cyclodextrins enhance artemisinin production in Artemisia annua suspension cell cultures. Applied Microbiology and Biotechnology, 2011, 90, 1905-1913.	1.7	45
23	Tocopherol production in plant cell cultures. Molecular Nutrition and Food Research, 2010, 54, 726-730.	1.5	42
24	Effect of dimethyl-beta-cyclodextrins on artemisinin production in Artemisia annua suspension cell cultures. Journal of Biotechnology, 2010, 150, 494-494.	1.9	0
25	Cultivation of<i>Arabidopsis</i>cell cultures in a stirred bioreactor at variable oxygen levels: Influence on tocopherol production. Plant Biosystems, 2010, 144, 721-724.	0.8	9
26	Influence of Potassium and Genotype on Vitamin E Content and Reducing Sugar of Tomato Fruits. Hortscience: A Publication of the American Society for Hortcultural Science, 2008, 43, 2048-2051.	0.5	31
27	Tocopherol biosynthesis is enhanced in photomixotrophic sunflower cell cultures. Plant Cell Reports, 2007, 26, 525-530.	2.8	14
28	Improving -tocopherol production in plant cell cultures. Journal of Plant Physiology, 2005, 162, 782-784.	1.6	26
29	Enhancement of vitamin E production in sunflower cell cultures. Plant Cell Reports, 2004, 23, 174-9.	2.8	37
30	Influence of an increased NaCl concentration on yield and quality of cherry tomato grown in posidonia(Posidonia oceanica(L) Delile). Journal of the Science of Food and Agriculture, 2004, 84, 1885-1890.	1.7	45
31	Ascorbate and glutathione metabolism in two sunflower cell lines of differing Î±-tocopherol biosynthetic capability. Plant Physiology and Biochemistry, 2002, 40, 509-513.	2.8	41
32	Biochemical Evidence for Two Forms of Acetohydroxyacid Synthase in Daucus carota L. Cell Lines Selected for Chlorsulfuron Resistance. Pesticide Biochemistry and Physiology, 1999, 64, 76-84.	1.6	2
33	Stability and culture medium limitations of gene amplification in glyphosate resistant carrot cell lines. Journal of Plant Physiology, 1998, 152, 112-117.	1.6	12
34	Agrobacterium rhizogenes rol genes induce productivity-related phenotypical modifications in ?creeping-rooted? alfalfa types. Plant Cell Reports, 1995, 14, 488-92.	2.8	14
35	Acetohydroxyacid Synthase GENE Amplification Induces Clorsulfuron Resistance in Daucus Carota L.. Current Plant Science and Biotechnology in Agriculture, 1995, , 235-240.	0.0	1
36	Chlorsulfuron resistance in Daucus carota cell lines and plants:Involvement of gene amplification. Theoretical and Applied Genetics, 1994, 88, 520-524.	1.8	37

#	Article	IF	Citations
37	Genetic transformation in the grain legume Cicer arietinum L. (chickpea). Plant Cell Reports, 1993, 12, 194-8.	2.8	97
38	Characterization of the glyphosate selection of carrot suspension cultures resulting in gene amplification. Plant Science, 1993, 88, 219-228.	1.7	16
39	Chromosomal aberration analysis of workers in tannery industries. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1991, 260, 331-336.	1.2	13
40	Induction of chromosomal aberrations and SCE by chloramphenicol. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1991, 248, 145-153.	0.4	15
41	Chromosomal analysis on lymphocytes after hydroxyurea in G2 allows the detection of subthreshold mutagen-exposed workers. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1990, 234, 416.	0.4	0
42	Chromosomal monitoring of chromium-exposed workers. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1990, 242, 305-312.	1.2	18