Laura Pistelli

List of Publications by Year
in descending order

96	1,842	236925 25	315739 38
papers	citations	h-index	g-index

97	97	97	2214
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Localization of glyoxylate-cycle marker enzymes in peroxisomes of senescent leaves and green cotyledons. Planta, 1990, 180, 435-439.	3.2	91
2	Drought stress adaptation modulates plant secondary metabolite production in Salvia dolomitica Codd. Industrial Crops and Products, 2019, 129, 85-96.	5.2	86
3	Hairy Root Cultures for Secondary Metabolites Production. Advances in Experimental Medicine and Biology, 2010, 698, 167-184.	1.6	82
4	Peroxisomal enzyme activities in attached senescing leaves. Planta, 1991, 184, 151-153.	3.2	65
5	Plant Cell Cultures: Bioreactors for Industrial Production. Advances in Experimental Medicine and Biology, 2010, 698, 203-221.	1.6	63
6	Antibacterial activity of essential oils, their blends and mixtures of their main constituents against some strains supporting livestock mastitis. FÃ¬toterapÃ¬Ã¢, 2014, 96, 1-7.	2.2	57
7	Ozone-elicited secondary metabolites in shoot cultures of Melissa officinalis L.. Plant Cell, Tissue and Organ Culture, 2015, 120, 617-629.	2.3	56
8	Ecophysiological and phytochemical responses of Salvia sinaloensis Fern. to drought stress. Plant Growth Regulation, 2018, 84, 383-394.	3.4	56
9	Agronomic and phytochemical evaluation of lavandin and lavender cultivars cultivated in the Tyrrhenian area of Tuscany (Italy). Industrial Crops and Products, 2017, 109, 37-44.	5.2	52
10	The flavonoid compound apigenin prevents colonic inflammation and motor dysfunctions associated with high fat diet-induced obesity. PLoS ONE, 2018, 13, e0195502.	2.5	47
11	Luteolin Prevents Cardiometabolic Alterations and Vascular Dysfunction in Mice With HFD-Induced Obesity. Frontiers in Pharmacology, 2018, 9, 1094.	3.5	46
12	Water deficit regimes trigger changes in valuable physiological and phytochemical parameters in Helichrysum petiolare Hilliard & B.L. Burtt. Industrial Crops and Products, 2016, 83, 680-692.	5.2	43
13	Characterization of two Arabidopsis thaliana fructokinases. Plant Science, 2001, 160, 1107-1114.	3.6	40
14	Novel Prunus rootstock somaclonal variants with divergent ability to tolerate waterlogging. Tree Physiology, 2012, 32, 355-368.	3.1	36
15	Aroma characterisation and UV elicitation of purple basil from different plant tissue cultures. Food Chemistry, 2013, 141, 776-787.	8.2	35
16	Bioactive Compounds and Aroma Profile of Some Lamiaceae Edible Flowers. Plants, 2020, 9, 691.	3.5	35
17	Anti-clastogenic activity of two structurally related pterocarpans purified from Bituminaria bituminosa in cultured human lymphocytes. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2004, 561, 75-81.	1.7	34
18	Effect of Iodine treatments on Ocimum basilicum L.: Biofortification, phenolics production and essential oil composition. PLoS ONE, 2019, 14, e0226559.	2.5	34

#	Article	IF	Citations
19	Biological and Agronomic Traits of the Main Halophytes Widespread in the Mediterranean Region as Potential New Vegetable Crops. Horticulturae, 2022, 8, 195.	2.8	34
20	Small Functional Foods: Comparative Phytochemical and Nutritional Analyses of Five Microgreens of the Brassicaceae Family. Foods, 2021, 10, 427.	4.3	33
21	In vitro and in vivo antifungal activity of some essential oils against feline isolates of Microsporum canis. Journal De Mycologie Medicale, 2012, 22, 179-184.	1.5	32
22	Localization of glyoxylate-cycle marker enzymes in peroxisomes of senescent leaves and green cotyledons. Planta, 1990, 180, 435-439.	3.2	31
23	Temporal dynamics in the evolution of the sunflower genome as revealed by sequencing and annotation of three large genomic regions. Theoretical and Applied Genetics, 2011, 123, 779-791.	3.6	30
24	Arbuscular mycorrhizal fungi alter the content and composition of secondary metabolites in Bituminaria bituminosa L.. Plant Biology, 2017, 19, 926-933.	3.8	30
25	Salinity in Autumn-Winter Season and Fruit Quality of Tomato Landraces. Frontiers in Plant Science, 2019, 10, 1078.	3.6	29
26	Glycoxylate cycle enzyme activities are induced in senescent pumpkin fruits. Plant Science, 1996, 119, 23-29.	3.6	27
27	Response of spontaneous plants from an ex-mining site of Elba island (Tuscany, Italy) to metal(loid) contamination. Environmental Science and Pollution Research, 2017, 24, 7809-7820.	5.3	27
28	Tissue culture and aromatic profile in Salvia dolomitica Codd. Plant Cell, Tissue and Organ Culture, 2015, 121, 83-95.	2.3	26
29	Accumulation of rosmarinic acid and behaviour of ROS processing systems in Melissa officinalis L. under heat stress. Industrial Crops and Products, 2019, 138, 111469.	5.2	26
30	Volatilomic Analysis of Four Edible Flowers from Agastache Genus. Molecules, 2019, 24, 4480.	3.8	26
31	Gibberellin-like activity in suspensors of Tropaeolum majus L. and Cytisus laburnum L.. Planta, 1984, 162, 566-568.	3.2	25
32	Composition of volatile in micropropagated and field grown aromatic plants from Tuscany Islands.. Acta Biochimica Polonica, 2013, 60, .	0.5	22
33	Metal contamination in urban street sediment in Pisa (Italy) can affect the production of antioxidant metabolites in Taraxacum officinale Weber. Environmental Science and Pollution Research, 2014, 21, 2325-2333.	5.3	21
34	Screening of trace metal elements for pollution tolerance of freshwater and marine microalgal strains: Overview and perspectives. Algal Research, 2020, 45, 101751.	4.6	21
35	Growth, development and steviol glycosides content in the relation to the photosynthetic activity of several Stevia rebaudiana Bertoni strains cultivated under temperate climate conditions. Scientia Horticulturae, 2018, 234, 10-18.	3.6	19
36	Molecular cloning of SoHPPR encoding a hydroxyphenylpyruvate reductase, and its expression in cell suspension cultures of Salvia officinalis. Plant Cell, Tissue and Organ Culture, 2013, 114, 131-138.	2.3	18

#	Article	IF	Citations
37	Analytical Methods for the Extraction and Identification of Secondary Metabolite Production in â€˜In Vitroâ€™ Plant Cell Cultures. Advances in Experimental Medicine and Biology, 2010, 698, 250-266.	1.6	17
38	Aroma profile and bitter acid characterization of hop cones (Humulus lupulus L.) of five healthy and infected Polish cultivars. Industrial Crops and Products, 2018, 124, 653-662.	5.2	16
39	Localisation of beta-oxidation enzymes in peroxisomes of rice coleoptiles. Physiologia Plantarum, 1989, 76, 144-148.	5.2	15
40	Glyoxylate cycle enzymes in seedlings and in mature plants of tomato (Lycopersicon esculentum Mill.). Plant Science, 1997, 129, 39-47.	3.6	15
41	HACRE1, a recently inserted copia-like retrotransposon of sunflower (Helianthus annuus L.). Genome, 2009, 52, 904-911.	2.0	15
42	Essential Oil Composition and Biological Activity of â€œPompiaâ€, a Sardinian Citrus Ecotype. Molecules, 2019, 24, 908.	3.8	15
43	Effect of Leaf Senescence on Glyoxylate Cycle Enzyme Activities. Functional Plant Biology, 1992, 19, 723.	2.1	15
44	NADP+-isocitrate dehydrogenase in germinating cucumber cotyledons: Purification and characterization of a cytosolic isoenzyme. Physiologia Plantarum, 1996, 98, 13-19.	5.2	14
45	Day-night changes in the levels of adenine nucleotides, phosphoenolpyruvate and inorganic pyrophosphate in leaves of plants having Crassulacean acid metabolism. Planta, 1987, 172, 479-486.	3.2	13
46	Yield and qualitative characterisation of seeds of Amaranthus hypochondriacus L. and Amaranthus cruentus L. grown in central Italy. Italian Journal of Agronomy, 0, , 63-73.	1.0	13
47	Steviol glycosides profile in Stevia rebaudiana Bertoni hairy roots cultured under oxidative stress-inducing conditions. Applied Microbiology and Biotechnology, 2020, 104, 5929-5941.	3.6	12
48	Ulva intestinalis Extract Acts as Biostimulant and Modulates Metabolites and Hormone Balance in Basil (Ocimum basilicum L.) and Parsley (Petroselinum crispum L.). Plants, 2021, 10, 1391.	3.5	12
49	Molecular analysis of a sunflower gene encoding an homologous of the B subunit of a CAAT binding factor. Molecular Biology Reports, 2012, 39, 6449-6465.	2.3	11
50	Micropropagation of Salvia wagneriana Polak and hairy root cultures with rosmarinic acid production. Natural Product Research, 2016, 30, 2538-2544.	1.8	11
51	Essential oils and volatile emission of eight South African species of Helichrysum grown in uniform environmental conditions. South African Journal of Botany, 2019, 124, 178-187.	2.5	11
52	Composition of volatile in micropropagated and field grown aromatic plants from Tuscany Islands. Acta Biochimica Polonica, 2013, 60, 43-50.	0.5	11
53	Evidences of glyoxylate cycle in peroxisomes of senescent cotyledons. Plant Science, 1995, 109, 13-21.	3.6	10
54	Rosmarinic Acid and Ulvan from Terrestrial and Marine Sources in Anti-Microbial Bionanosystems and Biomaterials. Applied Sciences (Switzerland), 2021, 11, 9249.	2.5	10

#	Article	IF	Citations
55	Phytonutritional Content and Aroma Profile Changes During Postharvest Storage of Edible Flowers. Frontiers in Plant Science, 2020, 11, 590968.	3.6	9
56	The Effects of Post-Harvest Treatments on the Quality of Agastache aurantiaca Edible Flowers. Horticulturae, 2021, 7, 83.	2.8	9
57	Establishment of Highly Efficient Agrobacterium Rhizogenes-mediated Transformation for Stevia Rebaudiana Bertoni Explants. Acta Biologica Cracoviensia Series Botanica, 2016, 58, 113-118.	0.5	8
58	Growth, Yield and Chemical Composition of Essential Oil of Mentha piperita var. multimentha Grown Under Different Agro-ecological Locations in Egypt. Journal of Essential Oil-bearing Plants: JEOP, 2018, 21, 23-39.	1.9	8
59	Hibiscus rosa-sinensis as Flavoring Agent for Alcoholic Beverages. Applied Sciences (Switzerland), 2021, 11, 9864.	2.5	8
60	NADP+-isocitrate dehydrogenase in germinating cucumber cotyledons: Purification and characterization of a cytosolic isoenzyme. Physiologia Plantarum, 1996, 98, 13-19.	5.2	7
61	Essential oil composition of six Helichrysum species grown in Italy. Biochemical Systematics and Ecology, 2018, 79, 15-20.	1.3	7
62	Chemical composition of essential oil from plants of abandoned mining site of Elba island. Natural Product Research, 2019, 33, 143-147.	1.8	7
63	Production of Curcuminoids in different in vitro organs of Curcuma longa. Natural Product Communications, 2012, 7, 1037-42.	0.5	7
64	Postharvest Treatments on Sensorial and Biochemical Characteristics of Begonia cucullata Willd Edible Flowers. Foods, 2022, 11, 1481.	4.3	7
65	In vitro Cultures of Bituminaria bituminosa: Pterocarpan, Furanocoumarin and Isoflavone Production and Cytotoxic Activity Evaluation. Natural Product Communications, 2014, 9, 1934578X1400900.	0.5	6
66	Growing basil in the underwater biospheres of Nemo's GardenÂ®: Phytochemical, physiological and micromorphological analyses. Scientia Horticulturae, 2020, 259, 108851.	3.6	6
67	Phytochemical Characterization of Citrus-Based Products Supporting Their Antioxidant Effect and Sensory Quality. Foods, 2022, 11, 1550.	4.3	6
68	Peroxisomes in Rice Coleoptiles Grown in Air and in Anoxia. Botanica Acta, 1989, 102, 129-133.	1.6	5
69	Î²-Oxidation of fatty acids by the unspecialized peroxisomes from rice coleoptile. Plant Science, 1996, 118, 25-30.	3.6	5
70	Day-Length Is Involved in Flooding Tolerance Response in Wild Type and Variant Genotypes of Rootstock Prunus cerasifera L.. Frontiers in Plant Science, 2019, 10, 546.	3.6	5
71	Plant Production and Leaf Anatomy of Mertensia maritima (L.) Gray: Comparison of In Vitro Culture Methods to Improve Acclimatization. Horticulturae, 2021, 7, 111.	2.8	5
72	Combined effect of silicon and non-thermal plasma treatments on yield, mineral content, and nutraceutical proprieties of edible flowers of Begonia cucullata. Plant Physiology and Biochemistry, 2021, 166, 1014-1021.	5.8	5

#	Article	IF	Citations
73	Halophyte Artemisia caerulescens L.: Metabolites from In Vitro Shoots and Wild Plants. Plants, 2022, 11, 1081.	3.5	5
74	Production of Curcuminoids in Different in vitro Organs of Curcuma longa. Natural Product Communications, 2012, 7, 1934578X1200700.	0.5	4
75	Strategies for Optimization of the Production of Rosmarinic Acid in Salvia officinalis L. and Salvia dolomitica Codd Biomass with Several Biotechnological Approaches. , 2017, , 209-239.		4
76	HPLC-DAD-MS Analysis and Antiviral Activity of Different Extracts and Isolated Constituents from Bituminaria bituminosa. Chemistry of Natural Compounds, 2014, 50, 726-729.	0.8	3
77	Antioxidant Activity of Several Essential Oils from Different Rosmarinus officinalis Cultivars Grown in Sanremo (Italy). Natural Product Communications, 2018, 13, 1934578X1801300.	0.5	3
78	Salinity-Induced Changes of Photosynthetic Performance, Lawsone, VOCs, and Antioxidant Metabolism in Lawsonia inermis L.. Plants, 2020, 9, 1797.	3.5	3
79	Polianthes Tuberosa as Edible Flower: In Vitro Propagation and Nutritional Properties. International Journal of Electrical Energy, 2020, , 57-62.	0.4	3
80	Can Ozone Alter the Terpenoid Composition and Membrane Integrity of in vitro Melissa officinalis Shoots?. Natural Product Communications, 2015, 10, 1055-8.	0.5	3
81	CONTAMINATION DURING MICROPROPAGATION: ANALYSIS OF THE BACTERIAL LINES AND TREATMENT WITH SAGE EXTRACT. Acta Horticulturae, 2012, , 81-88.	0.2	2
82	Establishment of in vitro plants selected from heavy metal contaminated soils for further phytoremediation use. Acta Horticulturae, 2017, , 599-606.	0.2	2
83	Valorization of a Waste Product of Edible Flowers: Volatile Characterization of Leaves. Molecules, 2022, 27, 2172.	3.8	2
84	Edible roses as novel food with healthy value. Acta Horticulturae, 2021, , 239-244.	0.2	2
85	Physiological and Biochemical Adaptive Traits in Leaves of Four Citrus Species Grown in an Italian Charterhouse. Horticulturae, 2022, 8, 324.	2.8	2
86	Cloning and characterization of barley long chain acyl-CoA oxidase and its possible regulation by glucose. Physiologia Plantarum, 2003, 117, 22-32.	5.2	1
87	GAMMA IRRADIATION INDUCES NEO-ORGANOGENESIS IN A ROSMARINUS OFFICINALIS CALLUS LINE SELECTED FOR SECONDARY METABOLITES PRODUCTION. Acta Horticulturae, 2015, , 535-539.	0.2	1
88	Can Ozone Alter the Terpenoid Composition and Membrane Integrity of in vitro Melissa officinalis Shoots?. Natural Product Communications, 2015, 10, 1934578X1501000.	0.5	1
89	Daidzein Production and HeLa Cytotoxicity of Bituminaria bituminosa Hairy Root Cultures. Natural Product Communications, 2017, 12, 1934578X1701201.	0.5	1
90	PHYTOCHEMICAL CHARACTERISATION OF IN VITRO REGENERATED SHOOTS OF ECHINACEA ANGUSTIFOLIA DC.. Acta Horticulturae, 2009, , 257-264.	0.2	1

#	Article	IF	Citations
91	Fructan metabolism in tall fescue calli under different environmental condition. African Journal of Biotechnology, 2012, 11, .	0.6	1
92	The influence of ripeness stage and growth area on myrtle-leaved orange (chinotto) peel essential oil composition. Biochemical Systematics and Ecology, 2020, 91, 104071.	1.3	1
93	Protective Role of Flavonoids Against Colonic Motor Dysfunctions Associated with High Fat Diet-Induced Obesity. Gastroenterology, 2017, 152, S828.	1.3	0
94	Preliminary results on basil grown in the Nemo's GardenÂ®. Planta Medica, 2016, 81, S1-S381.	1.3	0
95	The flavonoid compound luteolin prevents endothelial dysfunction in a mouse model of high fat diet-induced obesity. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-2-47.	0.0	0
96	Rhizobium rhizogenes-Mediated Genetic Transformation of Antidiabetic Plants. , 2021, , 341-382.		0