Laura Pistelli

List of Publications by Year in Descending Order

90 papers	1,268 citations	21 h-index	31 g-index
97 ext. papers	1,552 ext. citations	3.5 avg, IF	4.36 L-index

#	Paper	IF	Citations
90	Biological and Agronomic Traits of the Main Halophytes Widespread in the Mediterranean Region as Potential New Vegetable Crops. *Horticulturae*, **2022**, 8, 195	2.5	4
89	Physiological and Biochemical Adaptive Traits in Leaves of Four Citrus Species Grown in an Italian Charterhouse. *Horticulturae*, **2022**, 8, 324	2.5	0
88	Phytochemical Characterization of Citrus-Based Products Supporting Their Antioxidant Effect and Sensory Quality. *Foods*, **2022**, 11, 1550	4.9	1
87	Postharvest Treatments on Sensorial and Biochemical Characteristics of Begonia cucullata Willd Edible Flowers. *Foods*, **2022**, 11, 1481	4.9	2
86	Rhizobium rhizogenes-Mediated Genetic Transformation of Antidiabetic Plants **2021**, 341-382		
85	Hibiscus rosa-sinensis as Flavoring Agent for Alcoholic Beverages. *Applied Sciences (Switzerland)*, **2021**, 11, 9864	2.6	4
84	Rosmarinic Acid and Ulvan from Terrestrial and Marine Sources in Anti-Microbial Bionanosystems and Biomaterials. *Applied Sciences (Switzerland)*, **2021**, 11, 9249	2.6	2
83	The Effects of Post-Harvest Treatments on the Quality of Agastache aurantiaca Edible Flowers. *Horticulturae*, **2021**, 7, 83	2.5	3
82	Plant Production and Leaf Anatomy of Mertensia maritima (L.) Gray: Comparison of In Vitro Culture Methods to Improve Acclimatization. *Horticulturae*, **2021**, 7, 111	2.5	2
81	Small Functional Foods: Comparative Phytochemical and Nutritional Analyses of Five Microgreens of the Brassicaceae Family. *Foods*, **2021**, 10,	4.9	11
80	Extract Acts as Biostimulant and Modulates Metabolites and Hormone Balance in Basil (L.) and Parsley (L.). *Plants*, **2021**, 10,	4.5	4
79	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	5.4	2
78	Edible roses as novel food with healthy value. *Acta Horticulturae*, **2021**, 239-244	0.3	1
77	Salinity-Induced Changes of Photosynthetic Performance, Lawsone, VOCs, and Antioxidant Metabolism in L. *Plants*, **2020**, 9,	4.5	1
76	Phytonutritional Content and Aroma Profile Changes During Postharvest Storage of Edible Flowers. *Frontiers in Plant Science*, **2020**, 11, 590968	6.2	2
75	Bioactive Compounds and Aroma Profile of Some Lamiaceae Edible Flowers. *Plants*, **2020**, 9,	4.5	16
74	Steviol glycosides profile in Stevia rebaudiana Bertoni hairy roots cultured under oxidative stress-inducing conditions. *Applied Microbiology and Biotechnology*, **2020**, 104, 5929-5941	5.7	7

73	The influence of ripeness stage and growth area on myrtle-leaved orange (chinotto) peel essential oil composition. *Biochemical Systematics and Ecology*, **2020**, 91, 104071	1.4	0
72	Screening of trace metal elements for pollution tolerance of freshwater and marine microalgal strains: Overview and perspectives. *Algal Research*, **2020**, 45, 101751	5	8
71	Growing basil in the underwater biospheres of Nemo's Garden : Phytochemical, physiological and micromorphological analyses. *Scientia Horticulturae*, **2020**, 259, 108851	4.1	2
70	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	2.9	7
69	Day-Length Is Involved in Flooding Tolerance Response in Wild Type and Variant Genotypes of Rootstock L. *Frontiers in Plant Science*, **2019**, 10, 546	6.2	2
68	Accumulation of rosmarinic acid and behaviour of ROS processing systems in Melissa officinalis L. under heat stress. *Industrial Crops and Products*, **2019**, 138, 111469	5.9	15
67	Essential Oil Composition and Biological Activity of "Pompia", a Sardinian Citrus Ecotype. *Molecules*, **2019**, 24,	4.8	9
66	Salinity in Autumn-Winter Season and Fruit Quality of Tomato Landraces. *Frontiers in Plant Science*, **2019**, 10, 1078	6.2	17
65	Effect of Iodine treatments on Ocimum basilicum L.: Biofortification, phenolics production and essential oil composition. *PLoS ONE*, **2019**, 14, e0226559	3.7	16
64	Volatilomic Analysis of Four Edible Flowers from Genus. *Molecules*, **2019**, 24,	4.8	13
63	Drought stress adaptation modulates plant secondary metabolite production in Salvia dolomitica Codd. *Industrial Crops and Products*, **2019**, 129, 85-96	5.9	52
62	Chemical composition of essential oil from plants of abandoned mining site of Elba island. *Natural Product Research*, **2019**, 33, 143-147	2.3	4
61	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	1.7	4
60	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	4.1	16
59	The flavonoid compound apigenin prevents colonic inflammation and motor dysfunctions associated with high fat diet-induced obesity. *PLoS ONE*, **2018**, 13, e0195502	3.7	33
58	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	5.9	10
57	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	
56	Ecophysiological and phytochemical responses of Salvia sinaloensis Fern. to drought stress. *Plant Growth Regulation*, **2018**, 84, 383-394	3.2	34

55	Antioxidant Activity of Several Essential Oils from Different Rosmarinus officinalis Cultivars Grown in Sanremo (Italy). *Natural Product Communications*, **2018**, 13, 1934578X1801300	0.9	2
54	Luteolin Prevents Cardiometabolic Alterations and Vascular Dysfunction in Mice With HFD-Induced Obesity. *Frontiers in Pharmacology*, **2018**, 9, 1094	5.6	33
53	Essential oil composition of six Helichrysum species grown in Italy. *Biochemical Systematics and Ecology*, **2018**, 79, 15-20	1.4	2
52	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	5.1	22
51	Establishment of in vitro plants selected from heavy metal contaminated soils for further phytoremediation use. *Acta Horticulturae*, **2017**, 599-606	0.3	1
50	Yield and qualitative characterisation of seeds of Amaranthus hypochondriacus L. and Amaranthus cruentus L. grown in central Italy. *Italian Journal of Agronomy*, **2017**, 63-73	1.4	8
49	Arbuscular mycorrhizal fungi alter the content and composition of secondary metabolites in Bituminaria bituminosa L. *Plant Biology*, **2017**, 19, 926-933	3.7	12
48	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	5.9	33
47	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		2
46	Daidzein Production and HeLa Cytotoxicity of Bituminaria bituminosa Hairy Root Cultures. *Natural Product Communications*, **2017**, 12, 1934578X1701201	0.9	0
45	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	5.9	31
44	Micropropagation of Salvia wagneriana Polak and hairy root cultures with rosmarinic acid production. *Natural Product Research*, **2016**, 30, 2538-2544	2.3	7
43	Preliminary results on basil grown in the Nemo's Garden . *Planta Medica*, **2016**, 81, S1-S381	3.1	
42	Establishment of Highly Efficient Agrobacterium Rhizogenes-mediated Transformation for Stevia Rebaudiana Bertoni Explants. *Acta Biologica Cracoviensia Series Botanica*, **2016**, 58, 113-118		6
41	Ozone-elicited secondary metabolites in shoot cultures of Melissa officinalis L.. *Plant Cell, Tissue and Organ Culture*, **2015**, 120, 617-629	2.7	43
40	GAMMA IRRADIATION INDUCES NEO-ORGANOGENESIS IN A ROSMARINUS OFFICINALIS CALLUS LINE SELECTED FOR SECONDARY METABOLITES PRODUCTION. *Acta Horticulturae*, **2015**, 535-539	0.3	1
39	Can Ozone Alter the Terpenoid Composition and Membrane Integrity of in vitro Melissa officinalis Shoots?. *Natural Product Communications*, **2015**, 10, 1934578X1501000	0.9	1
38	Tissue culture and aromatic profile in Salvia dolomitica Codd. *Plant Cell, Tissue and Organ Culture*, **2015**, 121, 83-95	2.7	25

37	Can Ozone Alter the Terpenoid Composition and Membrane Integrity of in vitro Melissa officinalis Shoots?. *Natural Product Communications*, **2015**, 10, 1055-8	0.9	2
36	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	5.1	18
35	Antibacterial activity of essential oils, their blends and mixtures of their main constituents against some strains supporting livestock mastitis. *Fitoterapia*, **2014**, 96, 1-7	3.2	40
34	In vitro Cultures of Bituminaria bituminosa: Pterocarpan, Furanocoumarin and Isoflavone Production and Cytotoxic Activity Evaluation. *Natural Product Communications*, **2014**, 9, 1934578X1400900	0.9	3
33	HPLC-DAD-MS Analysis and Antiviral Activity of Different Extracts and Isolated Constituents from Bituminaria bituminosa. *Chemistry of Natural Compounds*, **2014**, 50, 726-729	0.7	1
32	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	2.7	14
31	Aroma characterisation and UV elicitation of purple basil from different plant tissue cultures. *Food Chemistry*, **2013**, 141, 776-87	8.5	33
30	Composition of volatile in micropropagated and field grown aromatic plants from Tuscany Islands.. *Acta Biochimica Polonica*, **2013**, 60,	2	16
29	Composition of volatile in micropropagated and field grown aromatic plants from Tuscany Islands. *Acta Biochimica Polonica*, **2013**, 60, 43-50	2	6
28	CONTAMINATION DURING MICROPROPAGATION: ANALYSIS OF THE BACTERIAL LINES AND TREATMENT WITH SAGE EXTRACT. *Acta Horticulturae*, **2012**, 81-88	0.3	2
27	Novel Prunus rootstock somaclonal variants with divergent ability to tolerate waterlogging. *Tree Physiology*, **2012**, 32, 355-68	4.2	26
26	In vitro and in vivo antifungal activity of some essential oils against feline isolates of Microsporum canis. *Journal De Mycologie Medicale*, **2012**, 22, 179-84	3	26
25	Production of Curcuminoids in Different in vitro Organs of Curcuma longa. *Natural Product Communications*, **2012**, 7, 1934578X1200700	0.9	2
24	Molecular analysis of a sunflower gene encoding an homologous of the B subunit of a CAAT binding factor. *Molecular Biology Reports*, **2012**, 39, 6449-65	2.8	9
23	Production of Curcuminoids in different in vitro organs of Curcuma longa. *Natural Product Communications*, **2012**, 7, 1037-42	0.9	4
22	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, 779-91	6	26
21	Hairy root cultures for secondary metabolites production. *Advances in Experimental Medicine and Biology*, **2010**, 698, 167-84	3.6	59
20	Plant cell cultures: bioreactors for industrial production. *Advances in Experimental Medicine and Biology*, **2010**, 698, 203-21	3.6	49

19	Analytical methods for the extraction and identification of secondary metabolite production in in vitro plant cell cultures. *Advances in Experimental Medicine and Biology*, **2010**, 698, 250-66	3.6	8
18	HACRE1, a recently inserted copia-like retrotransposon of sunflower (Helianthus annuus L.). *Genome*, **2009**, 52, 904-11	2.4	14
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	3	32
16	Cloning and characterization of barley long chain acyl-CoA oxidase and its possible regulation by glucose. *Physiologia Plantarum*, **2003**, 117, 22-32	4.6	1
15	Characterization of two Arabidopsis thaliana fructokinases. *Plant Science*, **2001**, 160, 1107-1114	5.3	32
14	Glyoxylate cycle enzymes in seedlings and in mature plants of tomato (Lycopersicon esculentum Mill.). *Plant Science*, **1997**, 129, 39-47	5.3	13
13	β-Oxidation of fatty acids by the unspecialized peroxisomes from rice coleoptile. *Plant Science*, **1996**, 118, 25-30	5.3	5
12	Glycoxylate cycle enzyme activities are induced in senescent pumpkin fruits. *Plant Science*, **1996**, 119, 23-29	5.3	24
11	NADP+-isocitrate dehydrogenase in germinating cucumber cotyledons: Purification and characterization of a cytosolic isoenzyme. *Physiologia Plantarum*, **1996**, 98, 13-19	4.6	13
10	NADP+-isocitrate dehydrogenase in germinating cucumber cotyledons: Purification and characterization of a cytosolic isoenzyme. *Physiologia Plantarum*, **1996**, 98, 13-19	4.6	7
9	Evidences of glyoxylate cycle in peroxisomes of senescent cotyledons. *Plant Science*, **1995**, 109, 13-21	5.3	10
8	Effect of Leaf Senescence on Glyoxylate Cycle Enzyme Activities. *Functional Plant Biology*, **1992**, 19, 723	2.7	13
7	Peroxisomal enzyme activities in attached senescing leaves. *Planta*, **1991**, 184, 151-3	4.7	62
6	Localization of glyoxylate-cycle marker enzymes in peroxisomes of senescent leaves and green cotyledons. *Planta*, **1990**, 180, 435-439	4.7	90
5	Localization of glyoxylate-cycle marker enzymes in peroxisomes of senescent leaves and green cotyledons. *Planta*, **1990**, 180, 435-9	4.7	19
4	Localisation of β-oxidation enzymes in peroxisomes of rice coleoptiles. *Physiologia Plantarum*, **1989**, 76, 144-148	4.6	13
3	Peroxisomes in Rice Coleoptiles Grown in Air and in Anoxia. *Botanica Acta*, **1989**, 102, 129-133		5
2	Day-night changes in the levels of adenine nucleotides, phosphoenolpyruvate and inorganic pyrophosphate in leaves of plants having Crassulacean acid metabolism. *Planta*, **1987**, 172, 479-86	4.7	11

1	Gibberellin-like activity in suspensors of Tropaeolum majus L. and Cytisus laburnum L. *Planta*, **1984**, 162, 566-8	4.7	21