

# Laura Pistelli

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Localization of glyoxylate-cycle marker enzymes in peroxisomes of senescent leaves and green cotyledons. <i>Planta</i> , <b>1990</b> , 180, 435-439	4.7	90
89	Peroxisomal enzyme activities in attached senescing leaves. <i>Planta</i> , <b>1991</b> , 184, 151-3	4.7	62
88	Hairy root cultures for secondary metabolites production. <i>Advances in Experimental Medicine and Biology</i> , <b>2010</b> , 698, 167-84	3.6	59
87	Drought stress adaptation modulates plant secondary metabolite production in <i>Salvia dolomitica</i> Codd. <i>Industrial Crops and Products</i> , <b>2019</b> , 129, 85-96	5.9	52
86	Plant cell cultures: bioreactors for industrial production. <i>Advances in Experimental Medicine and Biology</i> , <b>2010</b> , 698, 203-21	3.6	49
85	Ozone-elicited secondary metabolites in shoot cultures of <i>Melissa officinalis</i> L.. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2015</b> , 120, 617-629	2.7	43
84	Antibacterial activity of essential oils, their blends and mixtures of their main constituents against some strains supporting livestock mastitis. <i>Floterap</i> , <b>2014</b> , 96, 1-7	3.2	40
83	Ecophysiological and phytochemical responses of <i>Salvia sinaloensis</i> Fern. to drought stress. <i>Plant Growth Regulation</i> , <b>2018</b> , 84, 383-394	3.2	34
82	The flavonoid compound apigenin prevents colonic inflammation and motor dysfunctions associated with high fat diet-induced obesity. <i>PLoS ONE</i> , <b>2018</b> , 13, e0195502	3.7	33
81	Aroma characterisation and UV elicitation of purple basil from different plant tissue cultures. <i>Food Chemistry</i> , <b>2013</b> , 141, 776-87	8.5	33
80	Agronomic and phytochemical evaluation of lavandin and lavender cultivars cultivated in the Tyrrhenian area of Tuscany (Italy). <i>Industrial Crops and Products</i> , <b>2017</b> , 109, 37-44	5.9	33
79	Luteolin Prevents Cardiometabolic Alterations and Vascular Dysfunction in Mice With HFD-Induced Obesity. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 1094	5.6	33
78	Anti-clastogenic activity of two structurally related pterocarpan purified from <i>Bituminaria bituminosa</i> in cultured human lymphocytes. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2004</b> , 561, 75-81	3	32
77	Characterization of two <i>Arabidopsis thaliana</i> fructokinases. <i>Plant Science</i> , <b>2001</b> , 160, 1107-1114	5.3	32
76	Water deficit regimes trigger changes in valuable physiological and phytochemical parameters in <i>Helichrysum petiolare</i> Hilliard & B.L. Burt. <i>Industrial Crops and Products</i> , <b>2016</b> , 83, 680-692	5.9	31
75	Novel <i>Prunus</i> rootstock somaclonal variants with divergent ability to tolerate waterlogging. <i>Tree Physiology</i> , <b>2012</b> , 32, 355-68	4.2	26
74	In vitro and in vivo antifungal activity of some essential oils against feline isolates of <i>Microsporium canis</i> . <i>Journal De Mycologie Medicale</i> , <b>2012</b> , 22, 179-84	3	26

73	Temporal dynamics in the evolution of the sunflower genome as revealed by sequencing and annotation of three large genomic regions. <i>Theoretical and Applied Genetics</i> , <b>2011</b> , 123, 779-91	6	26
72	Tissue culture and aromatic profile in <i>Salvia dolomitica</i> Codd. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2015</b> , 121, 83-95	2.7	25
71	Glyoxylate cycle enzyme activities are induced in senescent pumpkin fruits. <i>Plant Science</i> , <b>1996</b> , 119, 23-29	5.3	24
70	Response of spontaneous plants from an ex-mining site of Elba island (Tuscany, Italy) to metal(loid) contamination. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 7809-7820	5.1	22
69	Gibberellin-like activity in suspensors of <i>Tropaeolum majus</i> L. and <i>Cytisus laburnum</i> L. <i>Planta</i> , <b>1984</b> , 162, 566-8	4.7	21
68	Localization of glyoxylate-cycle marker enzymes in peroxisomes of senescent leaves and green cotyledons. <i>Planta</i> , <b>1990</b> , 180, 435-9	4.7	19
67	Metal contamination in urban street sediment in Pisa (Italy) can affect the production of antioxidant metabolites in <i>Taraxacum officinale</i> Weber. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 2325-2333	5.1	18
66	Salinity in Autumn-Winter Season and Fruit Quality of Tomato Landraces. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 1078	6.2	17
65	Bioactive Compounds and Aroma Profile of Some Lamiaceae Edible Flowers. <i>Plants</i> , <b>2020</b> , 9,	4.5	16
64	Growth, development and steviol glycosides content in the relation to the photosynthetic activity of several <i>Stevia rebaudiana</i> Bertoni strains cultivated under temperate climate conditions. <i>Scientia Horticulturae</i> , <b>2018</b> , 234, 10-18	4.1	16
63	Composition of volatile in micropropagated and field grown aromatic plants from Tuscany Islands.. <i>Acta Biochimica Polonica</i> , <b>2013</b> , 60,	2	16
62	Effect of Iodine treatments on <i>Ocimum basilicum</i> L.: Biofortification, phenolics production and essential oil composition. <i>PLoS ONE</i> , <b>2019</b> , 14, e0226559	3.7	16
61	Accumulation of rosmarinic acid and behaviour of ROS processing systems in <i>Melissa officinalis</i> L. under heat stress. <i>Industrial Crops and Products</i> , <b>2019</b> , 138, 111469	5.9	15
60	Molecular cloning of SoHPPR encoding a hydroxyphenylpyruvate reductase, and its expression in cell suspension cultures of <i>Salvia officinalis</i> . <i>Plant Cell, Tissue and Organ Culture</i> , <b>2013</b> , 114, 131-138	2.7	14
59	HACRE1, a recently inserted copia-like retrotransposon of sunflower ( <i>Helianthus annuus</i> L.). <i>Genome</i> , <b>2009</b> , 52, 904-11	2.4	14
58	Glyoxylate cycle enzymes in seedlings and in mature plants of tomato ( <i>Lycopersicon esculentum</i> Mill.). <i>Plant Science</i> , <b>1997</b> , 129, 39-47	5.3	13
57	NADP <sup>+</sup> -isocitrate dehydrogenase in germinating cucumber cotyledons: Purification and characterization of a cytosolic isoenzyme. <i>Physiologia Plantarum</i> , <b>1996</b> , 98, 13-19	4.6	13
56	Localisation of oxidation enzymes in peroxisomes of rice coleoptiles. <i>Physiologia Plantarum</i> , <b>1989</b> , 76, 144-148	4.6	13

55	Effect of Leaf Senescence on Glyoxylate Cycle Enzyme Activities. <i>Functional Plant Biology</i> , <b>1992</b> , 19, 723-727	2.7	13
54	Volatilomic Analysis of Four Edible Flowers from Genus. <i>Molecules</i> , <b>2019</b> , 24,	4.8	13
53	Arbuscular mycorrhizal fungi alter the content and composition of secondary metabolites in <i>Bituminaria bituminosa</i> L. <i>Plant Biology</i> , <b>2017</b> , 19, 926-933	3.7	12
52	Day-night changes in the levels of adenine nucleotides, phosphoenolpyruvate and inorganic pyrophosphate in leaves of plants having Crassulacean acid metabolism. <i>Planta</i> , <b>1987</b> , 172, 479-86	4.7	11
51	Small Functional Foods: Comparative Phytochemical and Nutritional Analyses of Five Microgreens of the Brassicaceae Family. <i>Foods</i> , <b>2021</b> , 10,	4.9	11
50	Aroma profile and bitter acid characterization of hop cones ( <i>Humulus lupulus</i> L.) of five healthy and infected Polish cultivars. <i>Industrial Crops and Products</i> , <b>2018</b> , 124, 653-662	5.9	10
49	Evidences of glyoxylate cycle in peroxisomes of senescent cotyledons. <i>Plant Science</i> , <b>1995</b> , 109, 13-21	5.3	10
48	Essential Oil Composition and Biological Activity of "Pompia", a Sardinian Citrus Ecotype. <i>Molecules</i> , <b>2019</b> , 24,	4.8	9
47	Molecular analysis of a sunflower gene encoding an homologous of the B subunit of a CAAT binding factor. <i>Molecular Biology Reports</i> , <b>2012</b> , 39, 6449-65	2.8	9
46	Yield and qualitative characterisation of seeds of <i>Amaranthus hypochondriacus</i> L. and <i>Amaranthus cruentus</i> L. grown in central Italy. <i>Italian Journal of Agronomy</i> , <b>2017</b> , 63-73	1.4	8
45	Analytical methods for the extraction and identification of secondary metabolite production in <i>Sn</i> vitro plant cell cultures. <i>Advances in Experimental Medicine and Biology</i> , <b>2010</b> , 698, 250-66	3.6	8
44	Screening of trace metal elements for pollution tolerance of freshwater and marine microalgal strains: Overview and perspectives. <i>Algal Research</i> , <b>2020</b> , 45, 101751	5	8
43	Essential oils and volatile emission of eight South African species of <i>Helichrysum</i> grown in uniform environmental conditions. <i>South African Journal of Botany</i> , <b>2019</b> , 124, 178-187	2.9	7
42	Steviol glycosides profile in <i>Stevia rebaudiana</i> Bertoni hairy roots cultured under oxidative stress-inducing conditions. <i>Applied Microbiology and Biotechnology</i> , <b>2020</b> , 104, 5929-5941	5.7	7
41	Micropropagation of <i>Salvia wagneriana</i> Polak and hairy root cultures with rosmarinic acid production. <i>Natural Product Research</i> , <b>2016</b> , 30, 2538-2544	2.3	7
40	NADP <sup>+</sup> -isocitrate dehydrogenase in germinating cucumber cotyledons: Purification and characterization of a cytosolic isoenzyme. <i>Physiologia Plantarum</i> , <b>1996</b> , 98, 13-19	4.6	7
39	Establishment of Highly Efficient <i>Agrobacterium Rhizogenes</i> -mediated Transformation for <i>Stevia Rebaudiana</i> Bertoni Explants. <i>Acta Biologica Cracoviensia Series Botanica</i> , <b>2016</b> , 58, 113-118		6
38	Composition of volatile in micropropagated and field grown aromatic plants from Tuscany Islands. <i>Acta Biochimica Polonica</i> , <b>2013</b> , 60, 43-50	2	6

37	Oxidation of fatty acids by the unspecialized peroxisomes from rice coleoptile. <i>Plant Science</i> , <b>1996</b> , 118, 25-30	5.3	5
36	Peroxisomes in Rice Coleoptiles Grown in Air and in Anoxia. <i>Botanica Acta</i> , <b>1989</b> , 102, 129-133		5
35	Growth, Yield and Chemical Composition of Essential Oil of <i>Mentha piperita</i> var. <i>multimentha</i> Grown Under Different Agro-ecological Locations in Egypt. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , <b>2018</b> , 21, 23-39	1.7	4
34	<i>Hibiscus rosa-sinensis</i> as Flavoring Agent for Alcoholic Beverages. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 9864	2.6	4
33	Chemical composition of essential oil from plants of abandoned mining site of Elba island. <i>Natural Product Research</i> , <b>2019</b> , 33, 143-147	2.3	4
32	Extract Acts as Biostimulant and Modulates Metabolites and Hormone Balance in Basil (L.) and Parsley (L.). <i>Plants</i> , <b>2021</b> , 10,	4.5	4
31	Production of Curcuminoids in different in vitro organs of <i>Curcuma longa</i> . <i>Natural Product Communications</i> , <b>2012</b> , 7, 1037-42	0.9	4
30	Biological and Agronomic Traits of the Main Halophytes Widespread in the Mediterranean Region as Potential New Vegetable Crops. <i>Horticulturae</i> , <b>2022</b> , 8, 195	2.5	4
29	In vitro Cultures of <i>Bituminaria bituminosa</i> : Pterocarpan, Furanocoumarin and Isoflavone Production and Cytotoxic Activity Evaluation. <i>Natural Product Communications</i> , <b>2014</b> , 9, 1934578X1400900	0.9	3
28	The Effects of Post-Harvest Treatments on the Quality of <i>Agastache aurantiaca</i> Edible Flowers. <i>Horticulturae</i> , <b>2021</b> , 7, 83	2.5	3
27	Day-Length Is Involved in Flooding Tolerance Response in Wild Type and Variant Genotypes of Rootstock L. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 546	6.2	2
26	Phytonutritional Content and Aroma Profile Changes During Postharvest Storage of Edible Flowers. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 590968	6.2	2
25	Strategies for Optimization of the Production of Rosmarinic Acid in <i>Salvia officinalis</i> L. and <i>Salvia dolomitica</i> Codd Biomass with Several Biotechnological Approaches <b>2017</b> , 209-239		2
24	CONTAMINATION DURING MICROPROPAGATION: ANALYSIS OF THE BACTERIAL LINES AND TREATMENT WITH SAGE EXTRACT. <i>Acta Horticulturae</i> , <b>2012</b> , 81-88	0.3	2
23	Production of Curcuminoids in Different in vitro Organs of <i>Curcuma longa</i> . <i>Natural Product Communications</i> , <b>2012</b> , 7, 1934578X1200700	0.9	2
22	Rosmarinic Acid and Ulvan from Terrestrial and Marine Sources in Anti-Microbial Bionanosystems and Biomaterials. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 9249	2.6	2
21	Plant Production and Leaf Anatomy of <i>Mertensia maritima</i> (L.) Gray: Comparison of In Vitro Culture Methods to Improve Acclimatization. <i>Horticulturae</i> , <b>2021</b> , 7, 111	2.5	2
20	Growing basil in the underwater biospheres of Nemo's Garden: Phytochemical, physiological and micromorphological analyses. <i>Scientia Horticulturae</i> , <b>2020</b> , 259, 108851	4.1	2

19	Antioxidant Activity of Several Essential Oils from Different <i>Rosmarinus officinalis</i> Cultivars Grown in Sanremo (Italy). <i>Natural Product Communications</i> , <b>2018</b> , 13, 1934578X1801300	0.9	2
18	Essential oil composition of six <i>Helichrysum</i> species grown in Italy. <i>Biochemical Systematics and Ecology</i> , <b>2018</b> , 79, 15-20	1.4	2
17	Combined effect of silicon and non-thermal plasma treatments on yield, mineral content, and nutraceutical proprieties of edible flowers of <i>Begonia cucullata</i> . <i>Plant Physiology and Biochemistry</i> , <b>2021</b> , 166, 1014-1021	5.4	2
16	Can Ozone Alter the Terpenoid Composition and Membrane Integrity of in vitro <i>Melissa officinalis</i> Shoots?. <i>Natural Product Communications</i> , <b>2015</b> , 10, 1055-8	0.9	2
15	Postharvest Treatments on Sensorial and Biochemical Characteristics of <i>Begonia cucullata</i> Willd Edible Flowers. <i>Foods</i> , <b>2022</b> , 11, 1481	4.9	2
14	Establishment of in vitro plants selected from heavy metal contaminated soils for further phytoremediation use. <i>Acta Horticulturae</i> , <b>2017</b> , 599-606	0.3	1
13	Salinity-Induced Changes of Photosynthetic Performance, Lawsone, VOCs, and Antioxidant Metabolism in <i>L. Plants</i> , <b>2020</b> , 9,	4.5	1
12	GAMMA IRRADIATION INDUCES NEO-ORGANOGENESIS IN A <i>ROSMARINUS OFFICINALIS</i> CALLUS LINE SELECTED FOR SECONDARY METABOLITES PRODUCTION. <i>Acta Horticulturae</i> , <b>2015</b> , 535-539	0.3	1
11	Can Ozone Alter the Terpenoid Composition and Membrane Integrity of in vitro <i>Melissa officinalis</i> Shoots?. <i>Natural Product Communications</i> , <b>2015</b> , 10, 1934578X1501000	0.9	1
10	HPLC-DAD-MS Analysis and Antiviral Activity of Different Extracts and Isolated Constituents from <i>Bituminaria bituminosa</i> . <i>Chemistry of Natural Compounds</i> , <b>2014</b> , 50, 726-729	0.7	1
9	Cloning and characterization of barley long chain acyl-CoA oxidase and its possible regulation by glucose. <i>Physiologia Plantarum</i> , <b>2003</b> , 117, 22-32	4.6	1
8	Edible roses as novel food with healthy value. <i>Acta Horticulturae</i> , <b>2021</b> , 239-244	0.3	1
7	Phytochemical Characterization of Citrus-Based Products Supporting Their Antioxidant Effect and Sensory Quality. <i>Foods</i> , <b>2022</b> , 11, 1550	4.9	1
6	Daidzein Production and HeLa Cytotoxicity of <i>Bituminaria bituminosa</i> Hairy Root Cultures. <i>Natural Product Communications</i> , <b>2017</b> , 12, 1934578X1701201	0.9	0
5	The influence of ripeness stage and growth area on myrtle-leaved orange (chinotto) peel essential oil composition. <i>Biochemical Systematics and Ecology</i> , <b>2020</b> , 91, 104071	1.4	0
4	Physiological and Biochemical Adaptive Traits in Leaves of Four Citrus Species Grown in an Italian Charterhouse. <i>Horticulturae</i> , <b>2022</b> , 8, 324	2.5	0
3	<i>Rhizobium rhizogenes</i> -Mediated Genetic Transformation of Antidiabetic Plants <b>2021</b> , 341-382		
2	The flavonoid compound luteolin prevents endothelial dysfunction in a mouse model of high fat diet-induced obesity. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2018</b> , WCP2018, PO4-2-47	0	

- 1 Preliminary results on basil grown in the NemoS Garden . *Planta Medica*, **2016**, 81, S1-S381 3.1