

# Elisa Pellegrini

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2029988/publications.pdf>

Version: 2024-02-01

84  
papers

1,846  
citations

218677

26  
h-index

330143

37  
g-index

86  
all docs

86  
docs citations

86  
times ranked

1806  
citing authors

#	ARTICLE	IF	CITATIONS
1	Salt-tolerant rootstock increases yield of pepper under salinity through maintenance of photosynthetic performance and sinks strength. <i>Journal of Plant Physiology</i> , 2016, 193, 1-11.	3.5	88
2	<i>Trichoderma harzianum</i> T-22 Induces Systemic Resistance in Tomato Infected by Cucumber mosaic virus. <i>Frontiers in Plant Science</i> , 2016, 7, 1520.	3.6	81
3	Variations in physiological and biochemical traits of oak seedlings grown under drought and ozone stress. <i>Physiologia Plantarum</i> , 2016, 157, 69-84.	5.2	68
4	Ozone-elicited secondary metabolites in shoot cultures of <i>Melissa officinalis</i> L.. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 120, 617-629.	2.3	56
5	Antioxidative responses of three oak species under ozone and water stress conditions. <i>Science of the Total Environment</i> , 2019, 647, 390-399.	8.0	53
6	Mycotoxins in Feed and Food and the Role of Ozone in Their Detoxification and Degradation: An Update. <i>Toxins</i> , 2020, 12, 486.	3.4	53
7	Chlorophyll-related indicators are linked to visible ozone symptoms: Evidence from a field study on native <i>Viburnum lantana</i> L. plants in northern Italy. <i>Ecological Indicators</i> , 2014, 39, 65-74.	6.3	52
8	PSII photochemistry and carboxylation efficiency in <i>Liriodendron tulipifera</i> under ozone exposure. <i>Environmental and Experimental Botany</i> , 2011, 70, 217-226.	4.2	48
9	Multiple Consequences Induced by Epidermally-Located Anthocyanins in Young, Mature and Senescent Leaves of <i>Prunus</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 917.	3.6	44
10	Losing the Warning Signal: Drought Compromises the Cross-Talk of Signaling Molecules in <i>Quercus ilex</i> Exposed to Ozone. <i>Frontiers in Plant Science</i> , 2017, 8, 1020.	3.6	37
11	Can nutrient fertilization mitigate the effects of ozone exposure on an ozone-sensitive poplar clone?. <i>Science of the Total Environment</i> , 2019, 657, 340-350.	8.0	37
12	Signaling molecules and cell death in <i>Melissa officinalis</i> plants exposed to ozone. <i>Plant Cell Reports</i> , 2013, 32, 1965-1980.	5.6	36
13	PSII photochemistry is the primary target of oxidative stress imposed by ozone in <i>Tilia americana</i> . <i>Urban Forestry and Urban Greening</i> , 2014, 13, 94-102.	5.3	36
14	Ecophysiological and antioxidant traits of <i>Salvia officinalis</i> under ozone stress. <i>Environmental Science and Pollution Research</i> , 2015, 22, 13083-13093.	5.3	36
15	Using foliar spectral properties to assess the effects of drought on plant water potential. <i>Tree Physiology</i> , 2017, 37, 1582-1591.	3.1	36
16	How sensitive is <i>Melissa officinalis</i> to realistic ozone concentrations?. <i>Plant Physiology and Biochemistry</i> , 2014, 74, 156-164.	5.8	33
17	Water use strategy affects avoidance of ozone stress by stomatal closure in Mediterranean trees: A modelling analysis. <i>Plant, Cell and Environment</i> , 2020, 43, 611-623.	5.7	33
18	The harsh life of an urban tree: the effect of a single pulse of ozone in salt-stressed <i>Quercus ilex</i> saplings. <i>Tree Physiology</i> , 2017, 37, 246-260.	3.1	32

#	ARTICLE	IF	CITATIONS
19	Reflectance spectroscopy: a novel approach to better understand and monitor the impact of air pollution on Mediterranean plants. <i>Environmental Science and Pollution Research</i> , 2018, 25, 8249-8267.	5.3	31
20	Signalling molecules responsive to ozone-induced oxidative stress in <i>Salvia officinalis</i> . <i>Science of the Total Environment</i> , 2019, 657, 568-576.	8.0	31
21	Phenylpropanoids are key players in the antioxidant defense to ozone of European ash, <i>Fraxinus excelsior</i> . <i>Environmental Science and Pollution Research</i> , 2018, 25, 8137-8147.	5.3	30
22	Drought stress modulates secondary metabolites in <i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC) Alef, var. <i>sabellica</i> L.. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 5533-5540.	3.5	30
23	When "thirsty" means "less able to activate the signalling wave triggered by a pulse of ozone": A case of study in two Mediterranean deciduous oak species with different drought sensitivity. <i>Science of the Total Environment</i> , 2019, 657, 379-390.	8.0	30
24	What about the detoxification mechanisms underlying ozone sensitivity in <i>Liriodendron tulipifera</i> ?. <i>Environmental Science and Pollution Research</i> , 2018, 25, 8148-8160.	5.3	29
25	Effects of nitrogen and phosphorus imbalance on photosynthetic traits of poplar Oxford clone under ozone pollution. <i>Journal of Plant Research</i> , 2018, 131, 915-924.	2.4	29
26	Ozone stress in <i>Melissa officinalis</i> plants assessed by photosynthetic function. <i>Environmental and Experimental Botany</i> , 2011, 73, 94-101.	4.2	28
27	Ozone as eustress for enhancing secondary metabolites and bioactive properties in <i>Salvia officinalis</i> . <i>Industrial Crops and Products</i> , 2021, 170, 113730.	5.2	28
28	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> , 2019, 138, 111469.	5.2	26
29	Early Detection of Sage ( <i>Salvia officinalis</i> L.) Responses to Ozone Using Reflectance Spectroscopy. <i>Plants</i> , 2019, 8, 346.	3.5	25
30	Volatiles Emission Patterns in Poplar Clones Varying in Response to Ozone. <i>Journal of Chemical Ecology</i> , 2012, 38, 924-932.	1.8	24
31	Cross-Talk between Physiological and Metabolic Adjustments Adopted by <i>Quercus cerris</i> to Mitigate the Effects of Severe Drought and Realistic Future Ozone Concentrations. <i>Forests</i> , 2017, 8, 148.	2.1	24
32	Effects of natural zeolites on ryegrass growth and bioavailability of Cd, Ni, Pb, and Zn in an Albanian contaminated soil. <i>Journal of Soils and Sediments</i> , 2019, 19, 4052-4062.	3.0	24
33	Cross-talk between physiological and biochemical adjustments by <i>Punica granatum</i> cv. Dente di cavallo mitigates the effects of salinity and ozone stress. <i>Science of the Total Environment</i> , 2019, 656, 589-597.	8.0	24
34	Characterization and isolation of some genes of the shikimate pathway in sensitive and resistant <i>Centaurea jacea</i> plants after ozone exposure. <i>Environmental Pollution</i> , 2008, 151, 272-279.	7.5	23
35	Functional Leaf Traits and Diurnal Dynamics of Photosynthetic Parameters Predict the Behavior of Grapevine Varieties Towards Ozone. <i>PLoS ONE</i> , 2015, 10, e0135056.	2.5	23
36	Ozone primes changes in phytochemical parameters in the medicinal herb <i>Hypericum perforatum</i> (St.) Tj ETQq0 0 QrgBT /Overlock 10 T	5.2	23

#	ARTICLE	IF	CITATIONS
37	Hyperspectral Reflectance of Light-Adapted Leaves Can Predict Both Dark- and Light-Adapted Chl Fluorescence Parameters, and the Effects of Chronic Ozone Exposure on Date Palm (Phoenix) Tj ETQq1 1 0.784314rgBT /Overdock 10 T	0.784314	10
38	Conclusive remarks. Reliability and comparability of chlorophyll fluorescence data from several field teams. Environmental and Experimental Botany, 2011, 73, 116-119.	4.2	21
39	Age-associated alterations in cholesterol homeostasis: evidence from a cross-sectional study in a Northern Italy population. Clinical Interventions in Aging, 2014, 9, 425.	2.9	21
40	How do background ozone concentrations affect the biosynthesis of rosmarinic acid in Melissa officinalis?. Journal of Plant Physiology, 2014, 171, 35-41.	3.5	21
41	Living in a Mediterranean city in 2050: broadleaf or evergreen "citizens"? Environmental Science and Pollution Research, 2018, 25, 8161-8173.	5.3	21
42	Novel functions of the root barrier to radial oxygen loss " radial diffusion resistance to H <sub>2</sub> and water vapour. New Phytologist, 2021, 231, 1365-1376.	7.3	21
43	Transient Waterlogging Events Impair Shoot and Root Physiology and Reduce Grain Yield of Durum Wheat Cultivars. Plants, 2021, 10, 2357.	3.5	21
44	The 2003 European Heat Wave: Which Role for Ozone? Some Data from Tuscany, Central Italy. Water, Air, and Soil Pollution, 2007, 181, 401-408.	2.4	19
45	Evaluation of the suitability of Tillandsia usneoides (L.) L. as biomonitor of airborne elements in an urban area of Italy, Mediterranean basin. Atmospheric Pollution Research, 2014, 5, 226-235.	3.8	19
46	The Biosynthesis of Phenolic Compounds Is an Integrated Defence Mechanism to Prevent Ozone Injury in Salvia officinalis. Antioxidants, 2020, 9, 1274.	5.1	18
47	Hyperspectral Detection and Monitoring of Salt Stress in Pomegranate Cultivars. Agronomy, 2021, 11, 1038.	3.0	16
48	Hydromorphic to subaqueous soils transitions in the central Grado lagoon (Northern Adriatic Sea,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 00	2.1	15
49	How Quercus ilex L. saplings face combined salt and ozone stress: a transcriptome analysis. BMC Genomics, 2018, 19, 872.	2.8	15
50	Stress markers and physicochemical responses of the Mediterranean shrub Phillyrea angustifolia under current and future drought and ozone scenarios. Environmental Research, 2021, 201, 111615.	7.5	15
51	Date palm responses to a chronic, realistic ozone exposure in a FACE experiment. Environmental Research, 2021, 195, 110868.	7.5	14
52	Differential response strategies of pomegranate cultivars lead to similar tolerance to increasing salt concentrations. Scientia Horticulturae, 2020, 271, 109441.	3.6	13
53	Ozone tolerance in lichens: A possible explanation from biochemical to physiological level using Flavoparmelia caperata as test organism. Journal of Plant Physiology, 2014, 171, 1514-1523.	3.5	12
54	Suppression Subtractive Hybridization and NGS Reveal Differential Transcriptome Expression Profiles in Wayfaring Tree (Viburnum lantana L.) Treated with Ozone. Frontiers in Plant Science, 2016, 7, 713.	3.6	12

#	ARTICLE	IF	CITATIONS
55	Deciphering the role of low molecular weight antioxidants in the sensitivity of <i>Melissa officinalis</i> L. to realistic ozone concentrations. <i>Industrial Crops and Products</i> , 2020, 150, 112369.	5.2	12
56	Trichoderma-Induced Resistance to <i>Botrytis cinerea</i> in <i>Solanum</i> Species: A Meta-Analysis. <i>Plants</i> , 2022, 11, 180.	3.5	12
57	Acetone washing for the removal of lichen substances affects membrane permeability. <i>Lichenologist</i> , 2017, 49, 387-395.	0.8	11
58	Contrasting oxygen dynamics in <i>Limonium narbonense</i> and <i>Sarcocornia fruticosa</i> during partial and complete submergence. <i>Functional Plant Biology</i> , 2017, 44, 867.	2.1	11
59	Can the transcriptional regulation of NHX1, SOS1 and HKT1 genes handle the response of two pomegranate cultivars to moderate salt stress?. <i>Scientia Horticulturae</i> , 2021, 288, 110309.	3.6	11
60	Radial Oxygen Loss from Plant Roots—Methods. <i>Plants</i> , 2021, 10, 2322.	3.5	11
61	Ozone and desiccation tolerance in chlorolichens are intimately connected: a case study based on two species with different ecology. <i>Environmental Science and Pollution Research</i> , 2018, 25, 8089-8103.	5.3	10
62	Effect of superheated steam and conventional steam roasting on nutraceutical quality of several vegetables. <i>LWT - Food Science and Technology</i> , 2021, 149, 112014.	5.2	10
63	Plant traits shape the effects of tidal flooding on soil and plant communities in saltmarshes. <i>Plant Ecology</i> , 2018, 219, 823-835.	1.6	9
64	Soil properties and plant community relationship in a saltmarsh of the Grado and Marano lagoon (northern Italy). <i>Journal of Soils and Sediments</i> , 2017, 17, 1862-1873.	3.0	8
65	In the tripartite combination ozone-poplar- <i>Chrysomela populi</i> , the pollutant alters the plant-insect interaction via primary metabolites of foliage. <i>Environmental Research</i> , 2021, 201, 111581.	7.5	8
66	Red versus green leaves: transcriptomic comparison of foliar senescence between two <i>Prunus cerasifera</i> genotypes. <i>Scientific Reports</i> , 2020, 10, 1959.	3.3	8
67	Season-long exposure of bilberry plants to realistic and future ozone pollution improves the nutraceutical quality of fruits. <i>Science of the Total Environment</i> , 2022, 822, 153577.	8.0	7
68	Non-sampling error in ozone biomonitoring: the role of operator training. <i>Journal of Environmental Monitoring</i> , 2009, 11, 736.	2.1	6
69	Ecophysiology of <i>Tilia Americana</i> under ozone fumigation. <i>Atmospheric Pollution Research</i> , 2013, 4, 142-146.	3.8	6
70	Involvement of Phytohormones in Plant Responses to Ozone. , 2016, , 215-245.		6
71	Artificial neural network (ANN) modelling for the estimation of soil microbial biomass in vineyard soils. <i>Biology and Fertility of Soils</i> , 2021, 57, 145-151.	4.3	6
72	Antioxidants and Phytohormones Act in Coordination to Regulate Sage Response to Long Term Ozone Exposure. <i>Plants</i> , 2022, 11, 904.	3.5	6

#	ARTICLE	IF	CITATIONS
73	Biomonitoring of ozone: A tool to initiate the young people into the scientific method and environmental issues. A case study in Central Italy. <i>Urban Forestry and Urban Greening</i> , 2014, 13, 800-805.	5.3	5
74	A new paper sensor method for field analysis of acid volatile sulfides in soils. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 3025-3031.	4.3	5
75	Soil Organic Carbon and Carbonates are Binding Phases for Simultaneously Extractable Metals in Calcareous Saltmarsh Soils. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 2688-2697.	4.3	4
76	Impact of mechanical mowing and chemical treatment on phytosociological, pedochemical and biological parameters in roadside soils and vegetation. <i>Ecotoxicology</i> , 2016, 25, 279-290.	2.4	3
77	Beyond ozone-tolerance: Effects of ozone fumigation on trace element and PAH enriched thalli of the lichen biomonitor <i>Pseudevernia furfuracea</i> . <i>Atmospheric Environment</i> , 2019, 210, 132-142.	4.1	3
78	Oxidative stress assessment by a spectroscopic approach in pomegranate plants under a gradient of ozone concentrations. <i>Environmental and Experimental Botany</i> , 2021, 182, 104309.	4.2	3
79	Visible Injury, CO <sub>2</sub> Assimilation and PSII Photochemistry of Eucalyptus Plants in Response to Boron Stress. , 2015, , 1-11.		3
80	Can Ozone Alter the Terpenoid Composition and Membrane Integrity of in vitro <i>Melissa officinalis</i> Shoots?. <i>Natural Product Communications</i> , 2015, 10, 1055-8.	0.5	3
81	Can Ozone Alter the Terpenoid Composition and Membrane Integrity of <i>in vitro</i> <i>Melissa officinalis</i> Shoots?. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	1
82	Molecular study on <i>Senecio fontanicola</i> ( <i>S. doria</i> group, <i>Asteraceae</i> ) and its conservation status. <i>Hacquetia</i> , 2019, 18, 87-95.	0.4	1
83	Tea Plants and Air Pollutants. , 2018, , 157-171.		0
84	Electron donating properties of humic acids in saltmarsh soils reflect soil geochemical characteristics. <i>Geoderma</i> , 2022, 419, 115872.	5.1	0