Elisa Pellegrini

List of Publications by Year
in descending order

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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	Trichoderma-Induced Resistance to Botrytis cinerea in Solanum Species: A Meta-Analysis. Plants, 2022, 11, 180.	3.5	12
2	Season-long exposure of bilberry plants to realistic and future ozone pollution improves the nutraceutical quality of fruits. Science of the Total Environment, 2022, 822, 153577.	8.0	7
3	Antioxidants and Phytohormones Act in Coordination to Regulate Sage Response to Long Term Ozone Exposure. Plants, 2022, 11, 904.	3.5	6
4	Electron donating properties of humic acids in saltmarsh soils reflect soil geochemical characteristics. Geoderma, 2022, 419, 115872.	5.1	0
5	Artificial neural network (ANN) modelling for the estimation of soil microbial biomass in vineyard soils. Biology and Fertility of Soils, 2021, 57, 145-151.	4.3	6
6	Oxidative stress assessment by a spectroscopic approach in pomegranate plants under a gradient of ozone concentrations. Environmental and Experimental Botany, 2021, 182, 104309.	4.2	3
7	Date palm responses to a chronic, realistic ozone exposure in a FACE experiment. Environmental Research, 2021, 195, 110868.	7.5	14
8	Hyperspectral Detection and Monitoring of Salt Stress in Pomegranate Cultivars. Agronomy, 2021, 11, 1038.	3.0	16
9	Novel functions of the root barrier to radial oxygen loss â€“ radial diffusion resistance to H₂ and water vapour. New Phytologist, 2021, 231, 1365-1376.	7.3	21
10	Effect of superheated steam and conventional steam roasting on nutraceutical quality of several vegetables. LWT - Food Science and Technology, 2021, 149, 112014.	5.2	10
11	Stress markers and physiochemical responses of the Mediterranean shrub Phillyrea angustifolia under current and future drought and ozone scenarios. Environmental Research, 2021, 201, 111615.	7.5	15
12	Can the transcriptional regulation of NHX1, SOS1 and HKT1 genes handle the response of two pomegranate cultivars to moderate salt stress?. Scientia Horticulturae, 2021, 288, 110309.	3.6	11
13	Ozone as eustress for enhancing secondary metabolites and bioactive properties in Salvia officinalis. Industrial Crops and Products, 2021, 170, 113730.	5.2	28
14	In the tripartite combination ozone-poplar-Chrysomela populi, the pollutant alters the plant-insect interaction via primary metabolites of foliage. Environmental Research, 2021, 201, 111581.	7.5	8
15	Radial Oxygen Loss from Plant Rootsâ€"Methods. Plants, 2021, 10, 2322.	3.5	11
16	Transient Waterlogging Events Impair Shoot and Root Physiology and Reduce Grain Yield of Durum Wheat Cultivars. Plants, 2021, 10, 2357.	3.5	21
17	Water use strategy affects avoidance of ozone stress by stomatal closure in Mediterranean treesâ€"A modelling analysis. Plant, Cell and Environment, 2020, 43, 611-623.	5.7	33
18	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 ETQq0 0 0 rgBT /Overlock 10 Tf 50 57 T	4.1	27

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19	Mycotoxins in Feed and Food and the Role of Ozone in Their Detoxification and Degradation: An Update. Toxins, 2020, 12, 486.	3.4	53
20	The Biosynthesis of Phenolic Compounds Is an Integrated Defence Mechanism to Prevent Ozone Injury in Salvia officinalis. Antioxidants, 2020, 9, 1274.	5.1	18
21	Deciphering the role of low molecular weight antioxidants in the sensitivity of Melissa officinalis L. to realistic ozone concentrations. Industrial Crops and Products, 2020, 150, 112369.	5.2	12
22	Differential response strategies of pomegranate cultivars lead to similar tolerance to increasing salt concentrations. Scientia Horticulturae, 2020, 271, 109441.	3.6	13
23	Red versus green leaves: transcriptomic comparison of foliar senescence between two Prunus cerasifera genotypes. Scientific Reports, 2020, 10, 1959.	3.3	8
24	Antioxidative responses of three oak species under ozone and water stress conditions. Science of the Total Environment, 2019, 647, 390-399.	8.0	53
25	Soil Organic Carbon and Carbonates are Binding Phases for Simultaneously Extractable Metals in Calcareous Saltmarsh Soils. Environmental Toxicology and Chemistry, 2019, 38, 2688-2697.	4.3	4
26	Effects of natural zeolites on ryegrass growth and bioavailability of Cd, Ni, Pb, and Zn in an Albanian contaminated soil. Journal of Soils and Sediments, 2019, 19, 4052-4062.	3.0	24
27	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
28	Drought stress modulates secondary metabolites in Brassica oleracea L. convar. acephala (DC) Alef, var. sabellica L.. Journal of the Science of Food and Agriculture, 2019, 99, 5533-5540.	3.5	30
29	Beyond ozone-tolerance: Effects of ozone fumigation on trace element and PAH enriched thalli of the lichen biomonitor Pseudevernia furfuracea. Atmospheric Environment, 2019, 210, 132-142.	4.1	3
30	Early Detection of Sage (Salvia officinalis L.) Responses to Ozone Using Reflectance Spectroscopy. Plants, 2019, 8, 346.	3.5	25
31	Signalling molecules responsive to ozone-induced oxidative stress in Salvia officinalis. Science of the Total Environment, 2019, 657, 568-576.	8.0	31
32	Can nutrient fertilization mitigate the effects of ozone exposure on an ozone-sensitive poplar clone?. Science of the Total Environment, 2019, 657, 340-350.	8.0	37
33	When â€œthirstyâ€•means â€œless able to activate the signalling wave trigged by a pulse of ozoneâ€•: A case of study in two Mediterranean deciduous oak species with different drought sensitivity. Science of the Total Environment, 2019, 657, 379-390.	8.0	30
34	Cross-talk between physiological and biochemical adjustments by Punica granatum cv. Dente di cavallo mitigates the effects of salinity and ozone stress. Science of the Total Environment, 2019, 656, 589-597.	8.0	24
35	Molecular study onSenecio fontanicola(S. doriagroup,Asteraceae) and its conservation status. Hacquetia, 2019, 18, 87-95.	0.4	1
36	Phenylpropanoids are key players in the antioxidant defense to ozone of European ash, Fraxinus excelsior. Environmental Science and Pollution Research, 2018, 25, 8137-8147.	5.3	30

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37	What about the detoxification mechanisms underlying ozone sensitivity in Liriodendron tulipifera?. Environmental Science and Pollution Research, 2018, 25, 8148-8160.	5.3	29
38	Living in a Mediterranean city in 2050: broadleaf or evergreen â€˜citizensâ€™?. Environmental Science and Pollution Research, 2018, 25, 8161-8173.	5.3	21
39	Ozone and desiccation tolerance in chlorolichens are intimately connected: a case study based on two species with different ecology. Environmental Science and Pollution Research, 2018, 25, 8089-8103.	5.3	10
40	Reflectance spectroscopy: a novel approach to better understand and monitor the impact of air pollution on Mediterranean plants. Environmental Science and Pollution Research, 2018, 25, 8249-8267.	5.3	31
41	How Quercus ilex L. saplings face combined salt and ozone stress: a transcriptome analysis. BMC Genomics, 2018, 19, 872.	2.8	15
42	Effects of nitrogen and phosphorus imbalance on photosynthetic traits of poplar Oxford clone under ozone pollution. Journal of Plant Research, 2018, 131, 915-924.	2.4	29
43	Tea Plants and Air Pollutants. , 2018, , 157-171.		0
44	A new paper sensor method for field analysis of acid volatile sulfides in soils. Environmental Toxicology and Chemistry, 2018, 37, 3025-3031.	4.3	5
45	Ozone primes changes in phytochemical parameters in the medicinal herb Hypericum perforatum (St.) Tj ETQq1 1 0.784314 rgBT /Ov	5.2	23
46	Plant traits shape the effects of tidal flooding on soil and plant communities in saltmarshes. Plant Ecology, 2018, 219, 823-835.	1.6	9
47	Multiple Consequences Induced by Epidermally-Located Anthocyanins in Young, Mature and Senescent Leaves of Prunus. Frontiers in Plant Science, 2018, 9, 917.	3.6	44
48	The harsh life of an urban tree: the effect of a single pulse of ozone in salt-stressedQuercus ilexsaplings. Tree Physiology, 2017, 37, 246-260.	3.1	32
49	Using foliar spectral properties to assess the effects of drought on plant water potential. Tree Physiology, 2017, 37, 1582-1591.	3.1	36
50	Acetone washing for the removal of lichen substances affects membrane permeability. Lichenologist, 2017, 49, 387-395.	0.8	11
51	Soil properties and plant community relationship in a saltmarsh of the Grado and Marano lagoon (northern Italy). Journal of Soils and Sediments, 2017, 17, 1862-1873.	3.0	8
52	Contrasting oxygen dynamics in Limonium narbonense and Sarcocornia fruticosa during partial and complete submergence. Functional Plant Biology, 2017, 44, 867.	2.1	11
53	Losing the Warning Signal: Drought Compromises the Cross-Talk of Signaling Molecules in Quercus ilex Exposed to Ozone. Frontiers in Plant Science, 2017, 8, 1020.	3.6	37
54	Cross-Talk between Physiological and Metabolic Adjustments Adopted by Quercus cerris to Mitigate the Effects of Severe Drought and Realistic Future Ozone Concentrations. Forests, 2017, 8, 148.	2.1	24

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55	Suppression Substractive 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
56	Trichoderma harzianum T-22 Induces Systemic Resistance in Tomato Infected by Cucumber mosaic virus. Frontiers in Plant Science, 2016, 7, 1520.	3.6	81
57	Variations in physiological and biochemical traits of oak seedlings grown under drought and ozone stress. Physiologia Plantarum, 2016, 157, 69-84.	5.2	68
58	Involvement of Phytohormones in Plant Responses to Ozone. , 2016, , 215-245.		6
59	Impact of mechanical mowing and chemical treatment on phytosociological, pedochemical and biological parameters in roadside soils and vegetation. Ecotoxicology, 2016, 25, 279-290.	2.4	3
60	Hydromorphic to subaqueous soils transitions in the central Grado lagoon (Northern Adriatic Sea,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.1	15
61	Salt-tolerant rootstock increases yield of pepper under salinity through maintenance of photosynthetic performance and sinks strength. Journal of Plant Physiology, 2016, 193, 1-11.	3.5	88
62	Can Ozone Alter the Terpenoid Composition and Membrane Integrity of in vitro Melissa officinalis Shoots?. Natural Product Communications, 2015, 10, 1934578X1501000.	0.5	1
63	Functional Leaf Traits and Diurnal Dynamics of Photosynthetic Parameters Predict the Behavior of Grapevine Varieties Towards Ozone. PLoS ONE, 2015, 10, e0135056.	2.5	23
64	Ecophysiological and antioxidant traits of Salvia officinalis under ozone stress. Environmental Science and Pollution Research, 2015, 22, 13083-13093.	5.3	36
65	Ozone-elicited secondary metabolites in shoot cultures of Melissa officinalis L.. Plant Cell, Tissue and Organ Culture, 2015, 120, 617-629.	2.3	56
66	Visible Injury, CO2 Assimilation and PSII Photochemistry of Eucaliptus Plants in Response to Boron Stress. , 2015, , 1-11.		3
67	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
68	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
69	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
70	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
71	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
72	PSII photochemistry is the primary target of oxidative stress imposed by ozone in Tilia americana. Urban Forestry and Urban Greening, 2014, 13, 94-102.	5.3	36

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73	How sensitive is Melissa officinalis to realistic ozone concentrations?. Plant Physiology and Biochemistry, 2014, 74, 156-164.	5.8	33
74	Chlorophyll-related indicators are linked to visible ozone symptoms: Evidence from a field study on native Viburnum lantana L. plants in northern Italy. Ecological Indicators, 2014, 39, 65-74.	6.3	52
75	Biomonitoring of ozone: A tool to initiate the young people into the scientific method and environmental issues. A case study in Central Italy. Urban Forestry and Urban Greening, 2014, 13, 800-805.	5.3	5
76	Signaling molecules and cell death in Melissa officinalis plants exposed to ozone. Plant Cell Reports, 2013, 32, 1965-1980.	5.6	36
77	Ecophysiology of Tilia Americana under ozone fumigation. Atmospheric Pollution Research, 2013, 4, 142-146.	3.8	6
78	Volatiles Emission Patterns in Poplar Clones Varying in Response to Ozone. Journal of Chemical Ecology, 2012, 38, 924-932.	1.8	24
79	PSII photochemistry and carboxylation efficiency in Liriodendron tulipifera under ozone exposure. Environmental and Experimental Botany, 2011, 70, 217-226.	4.2	48
80	Ozone stress in Melissa officinalis plants assessed by photosynthetic function. Environmental and Experimental Botany, 2011, 73, 94-101.	4.2	28
81	Conclusive remarks. Reliability and comparability of chlorophyll fluorescence data from several field teams. Environmental and Experimental Botany, 2011, 73, 116-119.	4.2	21
82	Non-sampling error in ozone biomonitoring: the role of operator training. Journal of Environmental Monitoring, 2009, 11, 736.	2.1	6
83	Characterization and isolation of some genes of the shikimate pathway in sensitive and resistant Centaurea jacea plants after ozone exposure. Environmental Pollution, 2008, 151, 272-279.	7.5	23
84	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