Elena Paoletti

List of Publications by Year
in descending order

240 papers	10,808 citations	26567 56 h-index	42291 92 g-index
250 all docs	250 docs citations	250 times ranked	7802 citing authors

#	Article	IF	Citations
1	Chronic ozone exposure preferentially modifies root rather than foliar metabolism of date palm (Phoenix dactylifera) saplings. Science of the Total Environment, 2022, 806, 150563.	3.9	8
2	Whole-plant compensatory responses of isoprene emission from hybrid poplar seedlings exposed to elevated ozone. Science of the Total Environment, 2022, 806, 150949.	3.9	7
3	Legislative and functional aspects of different metrics used for ozone risk assessment to forests. Environmental Pollution, 2022, 295, 118690.	3.7	9
4	Ozone pollution threatens the production of major staple crops in East Asia. Nature Food, 2022, 3, 47-56.	6.2	93
5	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.	3.9	7
6	Speciesâ€specific variation of photosynthesis and mesophyll conductance to ozone and drought in three Mediterranean oaks. Physiologia Plantarum, 2022, 174, e13639.	2.6	12
7	Ozone modelling and mapping for risk assessment: An overview of different approaches for human and ecosystems health. Environmental Research, 2022, 211, 113048.	3.7	31
8	Air pollution and climate change threats to plant ecosystems. Environmental Research, 2022, 212, 113420.	3.7	1
9	Strategic roadmap to assess forest vulnerability under air pollution and climate change. Global Change Biology, 2022, 28, 5062-5085.	4.2	31
10	Towards long-term sustainability of stomatal ozone flux monitoring at forest sites. , 2022, 2, 100018.		12
11	Visible Foliar Injury and Ecophysiological Responses to Ozone and Drought in Oak Seedlings. Plants, 2022, 11, 1836.	1.6	4
12	Assessment of tropospheric ozone phytotoxic effects on the grapevine (Vitis vinifera L.): A review. Atmospheric Environment, 2021, 244, 117924.	1.9	15
13	High spatial resolution WRF-Chem model over Asia: Physics and chemistry evaluation. Atmospheric Environment, 2021, 244, 118004.	1.9	38
14	Trends in tropospheric ozone concentrations and forest impact metrics in Europe over the time period 2000â€“2014. Journal of Forestry Research, 2021, 32, 543-551.	1.7	39
15	Effects of elevated ozone and nitrogen addition on leaf nitrogen metabolism in poplar. Journal of Plant Ecology, 2021, 14, 555-568.	1.2	3
16	Emerging challenges of ozone impacts on asian plants: actions are needed to protect ecosystem health. Ecosystem Health and Sustainability, 2021, 7, .	1.5	32
17	Editorial: Interactions Between Ozone Pollution and Forest Ecosystems. Frontiers in Forests and Global Change, 2021, 3, .	1.0	4
18	Poplar root anatomy after exposure to elevated O3 in combination with nitrogen and phosphorus. Trees - Structure and Function, 2021, 35, 1233-1245.	0.9	2

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19	Urban population exposure to air pollution in Europe over the last decades. Environmental Sciences Europe, 2021, 33, 28.	2.6	148
20	Date palm responses to a chronic, realistic ozone exposure in a FACE experiment. Environmental Research, 2021, 195, 110868.	3.7	14
21	Metabolic and physiological alterations indicate that the tropical broadleaf tree Eugenia uniflora L. is sensitive to ozone. Science of the Total Environment, 2021, 769, 145080.	3.9	9
22	Testing visible ozone injury within a Light Exposed Sampling Site as a proxy for ozone risk assessment for European forests. Journal of Forestry Research, 2021, 32, 1351-1359.	1.7	18
23	Different Capability of Native and Non-native Plant Growth-Promoting Bacteria to Improve Snap Bean Tolerance to Ozone. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	1
24	Validation of meteorological and ground-level ozone WRF-CHIMERE simulations in a mountainous grapevine growing area for phytotoxic risk assessment. Atmospheric Environment, 2021, 259, 118507.	1.9	3
25	Biogenic volatile organic compound emissions from leaves and fruits of apple and peach trees during fruit development. Journal of Environmental Sciences, 2021, 108, 152-163.	3.2	14
26	Exploring new strategies for ozone-risk assessment: A dynamic-threshold case study. Environmental Pollution, 2021, 287, 117620.	3.7	6
27	Stress markers and physiochemical responses of the Mediterranean shrub Phillyrea angustifolia under current and future drought and ozone scenarios. Environmental Research, 2021, 201, 111615.	3.7	15
28	Experimental assessment of ozone risk on ecotypes of the tropical tree Moringa oleifera. Environmental Research, 2021, 201, 111475.	3.7	8
29	Effects of elevated ozone on the emission of volatile isoprenoids from flowers and leaves of rose (Rosa sp.) varieties. Environmental Pollution, 2021, 291, 118141.	3.7	9
30	Economic impacts of ambient ozone pollution on wood production in Italy. Scientific Reports, 2021, 11, 154.	1.6	14
31	Economic and Life Cycle Analysis of Passive and Active Monitoring of Ozone for Forest Protection. Environments - MDPI, 2021, 8, 104.	1.5	0
32	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.	2.8	33
33	Challenges, gaps and opportunities in investigating the interactions of ozone pollution and plant ecosystems. Science of the Total Environment, 2020, 709, 136188.	3.9	19
34	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 50 137	1.8	22
35	Ozone impairs the response of isoprene emission to foliar nitrogen and phosphorus in poplar. Environmental Pollution, 2020, 267, 115679.	3.7	2
36	Ozone weekend effect in cities: Deep insights for urban air pollution control. Environmental Research, 2020, 191, 110193.	3.7	95

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37	On the atmospheric ozone monitoring methodologies. Current Opinion in Environmental Science and Health, 2020, 18, 40-46.	2.1	7
38	Epidemiological derivation of flux-based critical levels for visible ozone injury in European forests. Journal of Forestry Research, 2020, 31, 1509-1519.	1.7	35
39	Ozone affects plant, insect, and soil microbial communities: A threat to terrestrial ecosystems and biodiversity. Science Advances, 2020, 6, eabc1176.	4.7	181
40	Isotopic and Water Relation Responses to Ozone and Water Stress in Seedlings of Three Oak Species with Different Adaptation Strategies. Forests, 2020, 11, 864.	0.9	12
41	Developing Ozone Risk Assessment for Larch Species. Frontiers in Forests and Global Change, 2020, 3, .	1.0	13
42	Ozone exposure, nitrogen addition and moderate drought dynamically interact to affect isoprene emission in poplar. Science of the Total Environment, 2020, 734, 139368.	3.9	7
43	Amplified ozone pollution in cities during the COVID-19 lockdown. Science of the Total Environment, 2020, 735, 139542.	3.9	516
44	Response of isoprene emission from poplar saplings to ozone pollution and nitrogen deposition depends on leaf position along the vertical canopy profile. Environmental Pollution, 2020, 265, 114909.	3.7	10
45	Flux-Based Ozone Risk Assessment for a Plant Injury Index (PII) in Three European Cool-Temperate Deciduous Tree Species. Forests, 2020, 11, 82.	0.9	16
46	Ozone Amplifies Water Loss from Mature Trees in the Short Term But Decreases It in the Long Term. Forests, 2020, 11, 46.	0.9	11
47	Vehicle-induced compaction of forest soil affects plant morphological and physiological attributes: A meta-analysis. Forest Ecology and Management, 2020, 462, 118004.	1.4	40
48	Elevated ozone prevents acquisition of available nitrogen due to smaller root surface area in poplar. Plant and Soil, 2020, 450, 585-599.	1.8	8
49	Ozone biomonitoring: A versatile tool for science, education and regulation. Current Opinion in Environmental Science and Health, 2020, 18, 7-13.	2.1	11
50	High spatial resolution ozone risk-assessment for Asian forests. Environmental Research Letters, 2020, 15, 104095.	2.2	23
51	Antioxidative responses of three oak species under ozone and water stress conditions. Science of the Total Environment, 2019, 647, 390-399.	3.9	53
52	Economic losses due to ozone impacts on human health, forest productivity and crop yield across China. Environment International, 2019, 131, 104966.	4.8	205
53	Toward stomatalâ€“flux based forest protection against ozone: The MOTTLES approach. Science of the Total Environment, 2019, 691, 516-527.	3.9	38
54	Ozone-induced impairment of night-time stomatal closure in O3-sensitive poplar clone is affected by nitrogen but not by phosphorus enrichment. Science of the Total Environment, 2019, 692, 713-722.	3.9	24

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55	Impacts of current ozone pollution on wheat yield in China as estimated with observed ozone, meteorology and day of flowering. Atmospheric Environment, 2019, 217, 116945.	1.9	48
56	A quantitative assessment of hormetic responses of plants to ozone. Environmental Research, 2019, 176, 108527.	3.7	35
57	Effect of Long-Term vs. Short-Term Ambient Ozone Exposure on Radial Stem Growth, Sap Flux and Xylem Morphology of O3-Sensitive Poplar Trees. Forests, 2019, 10, 396.	0.9	14
58	Estimation of the Allergenic Potential of Urban Trees and Urban Parks: Towards the Healthy Design of Urban Green Spaces of the Future. International Journal of Environmental Research and Public Health, 2019, 16, 1357.	1.2	49
59	A New Wetness Index to Evaluate the Soil Water Availability Influence on Gross Primary Production of European Forests. Climate, 2019, 7, 42.	1.2	4
60	Towards an integrative approach to evaluate the environmental ecosystem services provided by urban forest. Journal of Forestry Research, 2019, 30, 1981-1996.	1.7	73
61	Growing season extension affects ozone uptake by European forests. Science of the Total Environment, 2019, 669, 1043-1052.	3.9	27
62	Impacts of air pollution on human and ecosystem health, and implications for the National Emission Ceilings Directive: Insights from Italy. Environment International, 2019, 125, 320-333.	4.8	113
63	Isoprene is more affected by climate drivers than monoterpenes: A metaâ€analytic review on plant isoprenoid emissions. Plant, Cell and Environment, 2019, 42, 1939-1949.	2.8	72
64	Grapevine and Ozone: Uptake and Effects. Climate, 2019, 7, 140.	1.2	8
65	Plant Species-Specific Litter Decomposition Rates Are Directly Affected by Tropospheric Ozone: Analysis of Trends and Modelling. Water, Air, and Soil Pollution, 2019, 230, 1.	1.1	12
66	Predicting the effect of ozone on vegetation via linear non-threshold (LNT), threshold and hormetic dose-response models. Science of the Total Environment, 2019, 649, 61-74.	3.9	97
67	Commentary: EPA's proposed expansion of dose-response analysis is a positive step towards improving its ecological risk assessment. Environmental Pollution, 2019, 246, 566-570.	3.7	30
68	Can nutrient fertilization mitigate the effects of ozone exposure on an ozone-sensitive poplar clone?. Science of the Total Environment, 2019, 657, 340-350.	3.9	37
69	Trends and inter-relationships of ground-level ozone metrics and forest health in Lithuania. Science of the Total Environment, 2019, 658, 1265-1277.	3.9	31
70	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.	3.9	24
71	The passion fruit liana (Passiflora edulis Sims, Passifloraceae) is tolerant to ozone. Science of the Total Environment, 2019, 656, 1091-1101.	3.9	16
72	Different belowground responses to elevated ozone and soil water deficit in three European oak species (Quercus ilex, Q. pubescens and Q. robur). Science of the Total Environment, 2019, 651, 1310-1320.	3.9	30

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73	Effects of ozone (O3) and ethylenediurea (EDU) on the ecological stoichiometry of a willow grown in a free-air exposure system. Environmental Pollution, 2018, 238, 663-676.	3.7	21
74	Ozone pollution will compromise efforts to increase global wheat production. Global Change Biology, 2018, 24, 3560-3574.	4.2	163
75	Ozone risk assessment is affected by nutrient availability: Evidence from a simulation experiment under free air controlled exposure (FACE). Environmental Pollution, 2018, 238, 812-822.	3.7	26
76	Exposure- and flux-based assessment of ozone risk to sugarcane plants. Atmospheric Environment, 2018, 176, 252-260.	1.9	23
77	Phenylpropanoids are key players in the antioxidant defense to ozone of European ash, Fraxinus excelsior. Environmental Science and Pollution Research, 2018, 25, 8137-8147.	2.7	30
78	Testing a ratio of photosynthesis to O3 uptake as an index for assessing O3-induced foliar visible injury in poplar trees. Environmental Science and Pollution Research, 2018, 25, 8113-8124.	2.7	22
79	Protecting the photosynthetic performance of snap bean under free air ozone exposure. Journal of Environmental Sciences, 2018, 66, 31-40.	3.2	9
80	Five-year volume growth of European beech does not respond to ozone pollution in Italy. Environmental Science and Pollution Research, 2018, 25, 8233-8239.	2.7	17
81	The role of plant phenology in stomatal ozone flux modeling. Global Change Biology, 2018, 24, 235-248.	4.2	22
82	Large variability in ambient ozone sensitivity across 19 ethylenediurea-treated Chinese cultivars of soybean is driven by total ascorbate. Journal of Environmental Sciences, 2018, 64, 10-22.	3.2	26
83	Ozoneâ€induced stomatal sluggishness changes stomatal parameters of Jarvisâ€type model in white birch and deciduous oak. Plant Biology, 2018, 20, 20-28.	1.8	16
84	High doses of ethylenediurea (EDU) as soil drenches did not increase leaf N content or cause phytotoxicity in willow grown in fertile soil. Ecotoxicology and Environmental Safety, 2018, 147, 574-584.	2.9	5
85	Global diurnal and nocturnal parameters of stomatal conductance in woody plants and major crops. Global Ecology and Biogeography, 2018, 27, 257-275.	2.7	38
86	Nationwide ground-level ozone measurements in China suggest serious risks to forests. Environmental Pollution, 2018, 237, 803-813.	3.7	84
87	Ozone risk assessment in three oak species as affected by soil water availability. Environmental Science and Pollution Research, 2018, 25, 8125-8136.	2.7	34
88	Extrapolating plot-scale CO2 and ozone enrichment experimental results to novel conditions and scales using mechanistic modeling. Ecological Processes, 2018, 7, .	1.6	6
89	Effects of nitrogen and phosphorus imbalance on photosynthetic traits of poplar Oxford clone under ozone pollution. Journal of Plant Research, 2018, 131, 915-924.	1.2	29
90	Sensitivity of stomatal conductance to soil moisture: implications for tropospheric ozone. Atmospheric Chemistry and Physics, 2018, 18, 5747-5763.	1.9	39

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91	Physiological and biochemical responses of two sugarcane genotypes growing under free-air ozone exposure. Environmental and Experimental Botany, 2018, 153, 72-79.	2.0	13
92	Should we see urban trees as effective solutions to reduce increasing ozone levels in cities?. Environmental Pollution, 2018, 243, 163-176.	3.7	119
93	Intraspecific variation in sensitivity of winter wheat (Triticum aestivum L.) to ambient ozone in northern China as assessed by ethylenediurea (EDU). Environmental Science and Pollution Research, 2018, 25, 29208-29218.	2.7	20
94	Tropospheric ozone assessment report: Global ozone metrics for climate change, human health, and crop/ecosystem research. Elementa, 2018, 6, 1.	1.1	196
95	Tropospheric Ozone Assessment Report: Present-day tropospheric ozone distribution and trends relevant to vegetation. Elementa, 2018, 6, .	1.1	212
96	Stomatal conductance models for ozone risk assessment at canopy level in two Mediterranean evergreen forests. Agricultural and Forest Meteorology, 2017, 234-235, 212-221.	1.9	40
97	Carbon Sequestration by Urban Trees. Future City, 2017, , 31-39.	0.2	16
98	Urban Trees and Their Relation to Air Pollution. Future City, 2017, , 21-30.	0.2	13
99	Ozone exposure affects tree defoliation in a continental climate. Science of the Total Environment, 2017, 596-597, 396-404.	3.9	19
100	Epidemiological analysis of ozone and nitrogen impacts on vegetation â€“ Critical evaluation and recommendations. Science of the Total Environment, 2017, 603-604, 785-792.	3.9	29
101	Ecological impacts of atmospheric pollution and interactions with climate change in terrestrial ecosystems of the Mediterranean Basin: Current research and future directions. Environmental Pollution, 2017, 227, 194-206.	3.7	98
102	No significant interactions between nitrogen stimulation and ozone inhibition of isoprene emission in Cathay poplar. Science of the Total Environment, 2017, 601-602, 222-229.	3.9	19
103	Concentrationâ€•and fluxâ€based doseâ€“responses of isoprene emission from poplar leaves and plants exposed to an ozone concentration gradient. Plant, Cell and Environment, 2017, 40, 1960-1971.	2.8	27
104	A spatially-explicit method to assess the dry deposition of air pollution by urban forests in the city of Florence, Italy. Urban Forestry and Urban Greening, 2017, 27, 221-234.	2.3	60
105	A metaâ€•analysis on growth, physiological, and biochemical responses of woody species to groundâ€•level ozone highlights the role of plant functional types. Plant, Cell and Environment, 2017, 40, 2369-2380.	2.8	141
106	Virtual Special Issue Preface: Forest Response to Environmental Stress: Impacts and Adaptation. Science of the Total Environment, 2017, 607-608, 647-648.	3.9	0
107	Preface to the special issue of the 4th Forum Carpaticum conference â€œFuture of the Carpathians: Smart, Sustainable, Inclusiveâ€• Science of the Total Environment, 2017, 609, 160.	3.9	0
108	Water stress mitigates the negative effects of ozone on photosynthesis and biomass in poplar plants. Environmental Pollution, 2017, 230, 268-279.	3.7	73

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109	Compaction by a forest machine affects soil quality and Quercus robur L. seedling performance in an experimental field. Forest Ecology and Management, 2017, 384, 406-414.	1.4	76
110	Response on â€˜comparing concentrationâ€based (<scp>AOT</scp>40) and stomatal uptake (<scp>PODY</scp>) metrics for ozone risk assessment to European forestsâ€™. Global Change Biology, 2017, 23, e3-e4.	4.2	0
111	A new-generation 3D ozone FACE (Free Air Controlled Exposure). Science of the Total Environment, 2017, 575, 1407-1414.	3.9	69
112	Projected global ground-level ozone impacts on vegetation under different emission and climate scenarios. Atmospheric Chemistry and Physics, 2017, 17, 12177-12196.	1.9	164
113	Transcriptomic analysis of Pak Choi under acute ozone exposure revealed regulatory mechanism against ozone stress. BMC Plant Biology, 2017, 17, 236.	1.6	19
114	Comparing concentrationâ€based (AOT40) and stomatal uptake (PODY) metrics for ozone risk assessment to European forests. Global Change Biology, 2016, 22, 1608-1627.	4.2	83
115	Light Intensity Affects Ozone-Induced Stomatal Sluggishness in Snapbean. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	7
116	High doses of ethylene diurea (EDU) are not toxic to willow and act as nitrogen fertilizer. Science of the Total Environment, 2016, 566-567, 841-850.	3.9	27
117	Impacts of ethylenediurea (EDU) soil drench and foliar spray in Salix sachalinensis protection against O3-induced injury. Science of the Total Environment, 2016, 573, 1053-1062.	3.9	22
118	Assessing the role of soil water limitation in determining the Phytotoxic Ozone Dose (PODY) thresholds. Atmospheric Environment, 2016, 147, 88-97.	1.9	39
119	Functional traits of urban trees: air pollution mitigation potential. Frontiers in Ecology and the Environment, 2016, 14, 543-550.	1.9	255
120	Olive Oil for Dressing Plant Leaves so as to Avoid O3 Injury. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	35
121	Interaction of drought and ozone exposure on isoprene emission from extensively cultivated poplar. Plant, Cell and Environment, 2016, 39, 2276-2287.	2.8	65
122	The first toxicological study of the antiozonant and research tool ethylene diurea (EDU) using a Lemna minor L. bioassay: Hints to its mode of action. Environmental Pollution, 2016, 213, 996-1006.	3.7	37
123	Effects of different routes of application on ethylenediurea persistence in tobacco leaves. Environmental Pollution, 2016, 212, 559-564.	3.7	14
124	Global topics and novel approaches in the study of air pollution, climate change and forest ecosystems. Environmental Pollution, 2016, 213, 977-987.	3.7	88
125	Air Pollution Removal by Green Infrastructures and Urban Forests in the City of Florence. Agriculture and Agricultural Science Procedia, 2016, 8, 243-251.	0.6	59
126	BVOC responses to realistic nitrogen fertilization and ozone exposure in silver birch. Environmental Pollution, 2016, 213, 988-995.	3.7	52

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127	Preface to the IUFRO RG7.01 special section â€œGlobal Challenges of Air Pollution and Climate Change to Forestsâ€• Environmental Pollution, 2016, 213, 975-976.	3.7	1
128	An epidemiological assessment of stomatal ozone flux-based critical levels for visible ozone injury in Southern European forests. Science of the Total Environment, 2016, 541, 729-741.	3.9	96
129	Ozone-induced stomatal sluggishness changes carbon and water balance of temperate deciduous forests. Scientific Reports, 2015, 5, 9871.	1.6	89
130	Metrics of ozone risk assessment for Southern European forests: Canopy moisture content as a potential plant response indicator. Atmospheric Environment, 2015, 120, 182-190.	1.9	42
131	Impacts of soil moisture on de novo monoterpene emissions from European beech, Holm oak, Scots pine, and Norway spruce. Biogeosciences, 2015, 12, 177-191.	1.3	35
132	Bidirectional Flux of Methyl Vinyl Ketone and Methacrolein in Trees with Different Isoprenoid Emission under Realistic Ambient Concentrations. Environmental Science & Technology, 2015, 49, 7735-7742.	4.6	20
133	Ozone and plants. Environmental Pollution, 2015, 202, 215-216.	3.7	25
134	Effects of long-term ambient ozone exposure on biomass and wood traits in poplar treated with ethylenediurea (EDU). Environmental Pollution, 2015, 206, 575-581.	3.7	26
135	Discussion on the new functions for estimating AOT40 from passive sampling. Atmospheric Environment, 2014, 98, 704-706.	1.9	2
136	Dynamic Stomatal Changes. Plant Ecophysiology, 2014, , 61-82.	1.5	10
137	Mycorrhizal status of an ozone-sensitive poplar clone treated with the antiozonant ethylene diurea. European Journal of Forest Research, 2014, 133, 735-743.	1.1	15
138	Gene expression in snapbeans exposed to ozone and protected by ethylenediurea. Environmental Pollution, 2014, 193, 1-5.	3.7	25
139	Simultaneous measurements of above and below canopy ozone fluxes help partitioning ozone deposition between its various sinks in a Mediterranean Oak Forest. Agricultural and Forest Meteorology, 2014, 198-199, 181-191.	1.9	68
140	Determinants of stomatal sluggishness in ozone-exposed deciduous tree species. Science of the Total Environment, 2014, 481, 453-458.	3.9	42
141	Biological reactions of forests to climate change and air pollution. Environmental Pollution, 2014, 184, 657-658.	3.7	3
142	Ozone levels in European and USA cities are increasing more than at rural sites, while peak values are decreasing. Environmental Pollution, 2014, 192, 295-299.	3.7	207
143	New functions for estimating AOT40 from ozone passive sampling. Atmospheric Environment, 2014, 95, 82-88.	1.9	8
144	Urban Vegetation Facing Pollution and Over-Heating. , 2014, , 487-495.		0

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145	Latest Achievements on Climate Change and Forest Interactions in a Polluted Environment. Open Journal of Forestry, 2014, 04, 197-207.	0.1	1
146	Physiological and biochemical responses of Quercus pubescens to air warming and drought on acidic and calcareous soils. Plant Biology, 2013, 15, 157-168.	1.8	33
147	Decrease in surface ozone concentrations at Mediterranean remote sites and increase in the cities. Atmospheric Environment, 2013, 79, 705-715.	1.9	150
148	Both ozone exposure and soil water stress are able to induce stomatal sluggishness. Environmental and Experimental Botany, 2013, 88, 19-23.	2.0	61
149	Climate Change, Air Pollution and Global Challenges. Developments in Environmental Science, 2013, 13, 3-16.	0.5	29
150	Key Indicators of Air Pollution and Climate Change Impacts at Forest Supersites. Developments in Environmental Science, 2013, , 497-518.	0.5	6
151	Tropospheric ozone reduces carbon assimilation in trees: estimates from analysis of continuous flux measurements. Global Change Biology, 2013, 19, 2427-2443.	4.2	95
152	Effects of a three-year exposure to ambient ozone on biomass allocation in poplar using ethylenediurea. Environmental Pollution, 2013, 180, 299-303.	3.7	38
153	A meta-database comparison from various European Research and Monitoring Networks dedicated to forest sites. IForest, 2013, 6, 1-9.	0.5	11
154	Towards the integration of research and monitoring at forest ecosystems in Europe. Forest Systems, 2013, 22, 535.	0.1	3
155	Forests under climate change and air pollution: Gaps in understanding and future directions for research. Environmental Pollution, 2012, 160, 57-65.	3.7	108
156	Ozone, climate change and forests. Environmental Pollution, 2012, 169, 249.	3.7	3
157	Parameterization of Zelkova serrata stomatal conductance model to estimate stomatal ozone uptake in Japan. Atmospheric Environment, 2012, 55, 271-278.	1.9	32
158	Whole-Tree Water Use Efficiency Is Decreased by Ambient Ozone and Not Affected by O3-Induced Stomatal Sluggishness. PLoS ONE, 2012, 7, e39270.	1.1	29
159	Climate Changes and Forests. Forest Ecology and Management, 2011, 262, vii-ix.	1.4	2
160	Air quality impact of an urban park over time. Procedia Environmental Sciences, 2011, 4, 10-16.	1.3	77
161	Ozone flux over a Norway spruce forest and correlation with net ecosystem production. Environmental Pollution, 2011, 159, 1024-1034.	3.7	34
162	Preface to the IUFRO special section â€œAdaptation of forest ecosystems to air pollution and climate changeâ€• Environmental Pollution, 2011, 159, 1023.	3.7	0

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163	Ethylenediurea (EDU): A research tool for assessment and verification of the effects of ground level ozone on plants under natural conditions. Environmental Pollution, 2011, 159, 3283-3293.	3.7	101
164	Towards a transnational system of supersites for forest monitoring and research in Europe - an overview on present state and future recommendations. IForest, 2011, 4, 167-171.	0.5	23
165	COST Action FP0903: â€œResearch, monitoring and modelling in the study of climate change and air pollution impacts on forest ecosystemsâ€. IForest, 2011, 4, 160-161.	0.5	8
166	Availability, accessibility, quality and comparability of monitoring data for European forests for use in air pollution and climate change science. IForest, 2011, 4, 162-166.	0.5	28
167	Adaptation of forest ecosystems to air pollution and climate change: a global assessment on research priorities. IForest, 2011, 4, 44-48.	0.5	73
168	Soil drench of ethylenediurea (EDU) protects sensitive trees from ozone injury. IForest, 2011, 4, 66-68.	0.5	16
169	Erratum to â€œStructural and physiological responses to ozone in Manna ash (Fraxinus ornus L.) leaves of seedlings and mature trees under controlled and ambient conditionsâ€•[Science of the Total Environment 407 (2009) 1631â€“1643]. Science of the Total Environment, 2010, 408, 2013.	3.9	4
170	Erratum to "Structural and physiological responses to ozone in Manna ash (Fraxinus ornus L.) leaves of seedlings and mature trees under controlled and ambient conditions". Science of the Total Environment, 2010, 408, 2014-2024.	3.9	18
171	Geostatistics as a validation tool for setting ozone standards for durum wheat. Environmental Pollution, 2010, 158, 536-542.	3.7	19
172	Advances of air pollution science: From forest decline to multiple-stress effects on forest ecosystem services. Environmental Pollution, 2010, 158, 1986-1989.	3.7	116
173	Ozone exposure and stomatal sluggishness in different plant physiognomic classes. Environmental Pollution, 2010, 158, 2664-2671.	3.7	137
174	Metrics: include refereeing as part of performance rating. Nature, 2010, 466, 179-179.	13.7	10
175	SILVICULTURE: FOREST PROTECTION. L Italia Forestale E Montana, 2010, , 239-244.	0.0	1
176	Selvicoltura: protezione delle foreste. L Italia Forestale E Montana, 2010, , 141-148.	0.0	0
177	Structural and physiological responses to ozone in Manna ash (Fraxinus ornus L.) leaves of seedlings and mature trees under controlled and ambient conditions. Science of the Total Environment, 2009, 407, 1631-1643.	3.9	58
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