

# Elena Ormeno

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

1,580  
citations

331670

21  
h-index

315739

38  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1963  
citing authors

#	ARTICLE	IF	CITATIONS
1	The relationship between terpenes and flammability of leaf litter. <i>Forest Ecology and Management</i> , 2009, 257, 471-482.	3.2	166
2	Water deficit stress induces different monoterpene and sesquiterpene emission changes in Mediterranean species. Relationship between terpene emissions and plant water potential. <i>Chemosphere</i> , 2007, 67, 276-284.	8.2	152
3	Production and Diversity of Volatile Terpenes from Plants on Calcareous and Siliceous Soils: Effect of Soil Nutrients. <i>Journal of Chemical Ecology</i> , 2008, 34, 1219-1229.	1.8	105
4	Effect of Soil Nutrient on Production and Diversity of Volatile Terpenoids from Plants. <i>Current Bioactive Compounds</i> , 2012, 8, 71-79.	0.5	84
5	Plant coexistence alters terpene emission and content of Mediterranean species. <i>Phytochemistry</i> , 2007, 68, 840-852.	2.9	81
6	Extracting and trapping biogenic volatile organic compounds stored in plant species. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 978-989.	11.4	77
7	Regeneration failure of <i>Pinus halepensis</i> Mill.: The role of autotoxicity and some abiotic environmental parameters. <i>Forest Ecology and Management</i> , 2008, 255, 2928-2936.	3.2	75
8	Monoterpene and sesquiterpene emissions of three Mediterranean species through calcareous and siliceous soils in natural conditions. <i>Atmospheric Environment</i> , 2007, 41, 629-639.	4.1	58
9	Biogenic emissions from Citrus species in California. <i>Atmospheric Environment</i> , 2011, 45, 4557-4568.	4.1	53
10	Concentrations and fluxes of isoprene and oxygenated VOCs at a French Mediterranean oak forest. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10085-10102.	4.9	50
11	Seasonal cycles of biogenic volatile organic compound fluxes and concentrations in a California citrus orchard. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 9865-9880.	4.9	49
12	Sesquiterpenoid Emissions from Agricultural Crops: Correlations to Monoterpenoid Emissions and Leaf Terpene Content. <i>Environmental Science &amp; Technology</i> , 2010, 44, 3758-3764.	10.0	46
13	Variations in Allelochemical Composition of Leachates of Different Organs and Maturity Stages of <i>Pinus halepensis</i> . <i>Journal of Chemical Ecology</i> , 2009, 35, 970-979.	1.8	43
14	Emissions of terpenoids, benzenoids, and other biogenic gas-phase organic compounds from agricultural crops and their potential implications for air quality. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 5393-5413.	4.9	43
15	Allelopathic effects of volatile organic compounds released from <i>Pinus halepensis</i> needles and roots. <i>Ecology and Evolution</i> , 2019, 9, 8201-8213.	1.9	42
16	Ozone uptake by citrus trees exposed to a range of ozone concentrations. <i>Atmospheric Environment</i> , 2010, 44, 3404-3412.	4.1	41
17	Plant Flavonoids in Mediterranean Species: A Focus on Flavonols as Protective Metabolites under Climate Stress. <i>Plants</i> , 2022, 11, 172.	3.5	37
18	Effects of environmental factors and leaf chemistry on leaf litter colonization by fungi in a Mediterranean shrubland. <i>Pedobiologia</i> , 2006, 50, 1-10.	1.2	34

#	ARTICLE	IF	CITATIONS
19	Chronic Drought Decreases Anabolic and Catabolic BVOC Emissions of <i>Quercus pubescens</i> in a Mediterranean Forest. <i>Frontiers in Plant Science</i> , 2017, 8, 71.	3.6	33
20	Variability of BVOC emissions from a Mediterranean mixed forest in southern France with a focus on <i>Quercus pubescens</i> . <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 431-446.	4.9	27
21	Compost may affect volatile and semi-volatile plant emissions through nitrogen supply and chlorophyll fluorescence. <i>Chemosphere</i> , 2009, 77, 94-104.	8.2	24
22	Isoprene Emissions from Downy Oak under Water Limitation during an Entire Growing Season: What Cost for Growth?. <i>PLoS ONE</i> , 2014, 9, e112418.	2.5	24
23	Effect of Intraspecific Competition and Substrate Type on Terpene Emissions from Some Mediterranean Plant Species. <i>Journal of Chemical Ecology</i> , 2007, 33, 277-286.	1.8	23
24	How terpene content affects fuel flammability of wildland-urban interface vegetation. <i>International Journal of Wildland Fire</i> , 2019, 28, 614.	2.4	21
25	Resistance of native oak to recurrent drought conditions simulating predicted climatic changes in the Mediterranean region. <i>Plant, Cell and Environment</i> , 2018, 41, 2299-2312.	5.7	20
26	Seasonal variations of <i>Quercus pubescens</i> isoprene emissions from an <i>in natura</i> forest under drought stress and sensitivity to future climate change in the Mediterranean area. <i>Biogeosciences</i> , 2018, 15, 4711-4730.	3.3	19
27	Effect of mid-term drought on <i>Quercus pubescens</i> BVOCs' emission seasonality and their dependency on light and/or temperature. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 7555-7566.	4.9	18
28	Compost effect on bacterial and fungal colonization of kermes oak leaf litter in a terrestrial Mediterranean ecosystem. <i>Applied Soil Ecology</i> , 2005, 30, 79-89.	4.3	14
29	Restoration of a Mediterranean Postfire Shrubland: Plant Functional Responses to Organic Soil Amendment. <i>Restoration Ecology</i> , 2010, 18, 729-741.	2.9	14
30	Compost spreading in Mediterranean shrubland indirectly increases biogenic emissions by promoting growth of VOC-emitting plant parts. <i>Atmospheric Environment</i> , 2011, 45, 3631-3639.	4.1	11
31	Does Prescribed Burning Affect Leaf Secondary Metabolites in Pine Stands?. <i>Journal of Chemical Ecology</i> , 2013, 39, 398-412.	1.8	11
32	Increasing cuticular wax concentrations in a drier climate promote litter flammability. <i>Forest Ecology and Management</i> , 2020, 473, 118242.	3.2	11
33	Exogenous Isoprene Confers Physiological Benefits in a Negligible Isoprene Emitter ( <i>Acer</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	3.5	11
34	Temporal effects of prescribed burning on terpene production in Mediterranean pines. <i>Tree Physiology</i> , 2017, 37, 1622-1636.	3.1	10
35	Direct and indirect impact of sewage sludge compost spreading on <i>Quercus coccifera</i> monoterpene emissions in a Mediterranean shrubland. <i>Environmental Pollution</i> , 2011, 159, 963-969.	7.5	8
36	Volatile and semi-volatile terpenes impact leaf flammability: differences according to the level of terpene identification. <i>Chemoecology</i> , 2021, 31, 259-275.	1.1	8

#	ARTICLE	IF	CITATIONS
37	Amplified Drought and Seasonal Cycle Modulate Quercus pubescens Leaf Metabolome. <i>Metabolites</i> , 2022, 12, 307.	2.9	7
38	Litter of mediterranean species as a source of volatile organic compounds. <i>Atmospheric Environment</i> , 2020, 242, 117815.	4.1	6
39	Isoprene contribution to ozone production under climate change conditions in the French Mediterranean area. <i>Regional Environmental Change</i> , 2020, 20, 1.	2.9	6
40	Volatilome of Aleppo Pine litter over decomposition process. <i>Ecology and Evolution</i> , 2021, 11, 6862-6880.	1.9	5
41	Nitrous acid formation on Zea mays leaves by heterogeneous reaction of nitrogen dioxide in the laboratory. <i>Environmental Research</i> , 2021, 193, 110543.	7.5	4
42	Lavender sensitivity to water stress: Comparison between eleven varieties across two phenological stages. <i>Industrial Crops and Products</i> , 2022, 177, 114531.	5.2	4
43	Étude des composés organiques volatils biogéniques émis par une forêt méditerranéenne. <i>La Météorologie</i> , 2016, 8, 42.	0.5	1
44	Nitrous acid production and uptake by Zea mays plants in growth chambers in the presence of nitrogen dioxide. <i>Science of the Total Environment</i> , 2022, 806, 150696.	8.0	1
45	Contribution of some Mediterranean plants to BVOC in the atmosphere of an open and a closed environment: a preliminary study. <i>WIT Transactions on Ecology and the Environment</i> , 2006, , .	0.0	0