Elena Ormeno

List of Publications by Year in descending order

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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	Nitrous acid production and uptake by Zea mays plants in growth chambers in the presence of nitrogen dioxide. Science of the Total Environment, 2022, 806, 150696.	8.0	1
2	Plant Flavonoids in Mediterranean Species: A Focus on Flavonols as Protective Metabolites under Climate Stress. Plants, 2022, 11, 172.	3.5	37
3	Lavender sensitivity to water stress: Comparison between eleven varieties across two phenological stages. Industrial Crops and Products, 2022, 177, 114531.	5.2	4
4	Amplified Drought and Seasonal Cycle Modulate Quercus pubescens Leaf Metabolome. Metabolites, 2022, 12, 307.	2.9	7
5	Nitrous acid formation on Zea mays leaves by heterogeneous reaction of nitrogen dioxide in the laboratory. Environmental Research, 2021, 193, 110543.	7.5	4
6	Volatilome of Aleppo Pine litter over decomposition process. Ecology and Evolution, 2021, 11, 6862-6880.	1.9	5
7	Volatile and semi-volatile terpenes impact leaf flammability: differences according to the level of terpene identification. Chemoecology, 2021, 31, 259-275.	1.1	8
8	Litter of mediterranean species as a source of volatile organic compounds. Atmospheric Environment, 2020, 242, 117815.	4.1	6
9	Isoprene contribution to ozone production under climate change conditions in the French Mediterranean area. Regional Environmental Change, 2020, 20, 1.	2.9	6
10	Increasing cuticular wax concentrations in a drier climate promote litter flammability. Forest Ecology and Management, 2020, 473, 118242.	3.2	11
11	Exogenous Isoprene Confers Physiological Benefits in a Negligible Isoprene Emitter (Acer) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	3.5	11
12	Allelopathic effects of volatile organic compounds released from Pinus halepensis needles and roots. Ecology and Evolution, 2019, 9, 8201-8213.	1.9	42
13	How terpene content affects fuel flammability of wildlandâ€“urban interface vegetation. International Journal of Wildland Fire, 2019, 28, 614.	2.4	21
14	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. Biogeosciences, 2018, 15, 4711-4730.	3.3	19
15	Resistance of native oak to recurrent drought conditions simulating predicted climatic changes in the <scp>Mediterranean</scp> region. Plant, Cell and Environment, 2018, 41, 2299-2312.	5.7	20
16	Temporal effects of prescribed burning on terpene production in Mediterranean pines. Tree Physiology, 2017, 37, 1622-1636.	3.1	10
17	Effect of mid-term drought on <i>Quercus pubescens</i> BVOCs' emission seasonality and their dependency on light and/or temperature. Atmospheric Chemistry and Physics, 2017, 17, 7555-7566.	4.9	18
18	Chronic Drought Decreases Anabolic and Catabolic BVOC Emissions of Quercus pubescens in a Mediterranean Forest. Frontiers in Plant Science, 2017, 8, 71.	3.6	33

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19	Ã‰tude des composÃ©s organiques volatils biogÃ©niques Ã©mis par une forÃªt mÃ©diterranÃ©enne. La MÃ©tÃ©orologie, 2016, 8, 42.	0.5	1
20	Variability of BVOC emissions from a Mediterranean mixed forest in southern France with a focus on <i>Quercus pubescens</i>. Atmospheric Chemistry and Physics, 2015, 15, 431-446.	4.9	27
21	Isoprene Emissions from Downy Oak under Water Limitation during an Entire Growing Season: What Cost for Growth?. PLoS ONE, 2014, 9, e112418.	2.5	24
22	Concentrations and fluxes of isoprene and oxygenated VOCs at a French Mediterranean oak forest. Atmospheric Chemistry and Physics, 2014, 14, 10085-10102.	4.9	50
23	Emissions of terpenoids, benzenoids, and other biogenic gas-phase organic compounds from agricultural crops and their potential implications for air quality. Atmospheric Chemistry and Physics, 2014, 14, 5393-5413.	4.9	43
24	Does Prescribed Burning Affect Leaf Secondary Metabolites in Pine Stands?. Journal of Chemical Ecology, 2013, 39, 398-412.	1.8	11
25	Effect of Soil Nutrient on Production and Diversity of Volatile Terpenoids from Plants. Current Bioactive Compounds, 2012, 8, 71-79.	0.5	84
26	Seasonal cycles of biogenic volatile organic compound fluxes and concentrations in a California citrus orchard. Atmospheric Chemistry and Physics, 2012, 12, 9865-9880.	4.9	49
27	Compost spreading in Mediterranean shrubland indirectly increases biogenic emissions by promoting growth of VOC-emitting plant parts. Atmospheric Environment, 2011, 45, 3631-3639.	4.1	11
28	Direct and indirect impact of sewage sludge compost spreading on Quercus coccifera monoterpene emissions in a Mediterranean shrubland. Environmental Pollution, 2011, 159, 963-969.	7.5	8
29	Biogenic emissions from Citrus species in California. Atmospheric Environment, 2011, 45, 4557-4568.	4.1	53
30	Extracting and trapping biogenic volatile organic compounds stored in plant species. TrAC - Trends in Analytical Chemistry, 2011, 30, 978-989.	11.4	77
31	Ozone uptake by citrus trees exposed to a range of ozone concentrations. Atmospheric Environment, 2010, 44, 3404-3412.	4.1	41
32	Restoration of a Mediterranean Postfire Shrubland: Plant Functional Responses to Organic Soil Amendment. Restoration Ecology, 2010, 18, 729-741.	2.9	14
33	Sesquiterpenoid Emissions from Agricultural Crops: Correlations to Monoterpenoid Emissions and Leaf Terpene Content. Environmental Science & Technology, 2010, 44, 3758-3764.	10.0	46
34	Variations in Allelochemical Composition of Leachates of Different Organs and Maturity Stages of Pinus halepensis. Journal of Chemical Ecology, 2009, 35, 970-979.	1.8	43
35	Compost may affect volatile and semi-volatile plant emissions through nitrogen supply and chlorophyll fluorescence. Chemosphere, 2009, 77, 94-104.	8.2	24
36	The relationship between terpenes and flammability of leaf litter. Forest Ecology and Management, 2009, 257, 471-482.	3.2	166

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37	Production and Diversity of Volatile Terpenes from Plants on Calcareous and Siliceous Soils: Effect of Soil Nutrients. Journal of Chemical Ecology, 2008, 34, 1219-1229.	1.8	105
38	Regeneration failure of Pinus halepensis Mill.: The role of autotoxicity and some abiotic environmental parameters. Forest Ecology and Management, 2008, 255, 2928-2936.	3.2	75
39	Water deficit stress induces different monoterpene and sesquiterpene emission changes in Mediterranean species. Relationship between terpene emissions and plant water potential. Chemosphere, 2007, 67, 276-284.	8.2	152
40	Plant coexistence alters terpene emission and content of Mediterranean species. Phytochemistry, 2007, 68, 840-852.	2.9	81
41	Monoterpene and sesquiterpene emissions of three Mediterranean species through calcareous and siliceous soils in natural conditions. Atmospheric Environment, 2007, 41, 629-639.	4.1	58
42	Effect of Intraspecific Competition and Substrate Type on Terpene Emissions from Some Mediterranean Plant Species. Journal of Chemical Ecology, 2007, 33, 277-286.	1.8	23
43	Effects of environmental factors and leaf chemistry on leaf litter colonization by fungi in a Mediterranean shrubland. Pedobiologia, 2006, 50, 1-10.	1.2	34
44	Contribution of some Mediterranean plants to BVOC in the atmosphere of an open and a closed environment: a preliminary study. WIT Transactions on Ecology and the Environment, 2006, , .	0.0	0
45	Compost effect on bacterial and fungal colonization of kermes oak leaf litter in a terrestrial Mediterranean ecosystem. Applied Soil Ecology, 2005, 30, 79-89.	4.3	14