

Claudia Cocozza

List of Publications by Year in descending order

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56
papers

1,480
citations

331670

21
h-index

345221

36
g-index

58
all docs

58
docs citations

58
times ranked

2310
citing authors

#	ARTICLE	IF	CITATIONS
1	Drought tolerance of two black poplar (<i>Populus nigra</i> L.) clones: contribution of carbohydrates and oxidative stress defence. <i>Plant, Cell and Environment</i> , 2009, 32, 1724-1736.	5.7	139
2	The Effects of Biochar and Its Combination with Compost on Lettuce (<i>Lactuca sativa</i> L.) Growth, Soil Properties, and Soil Microbial Activity and Abundance. <i>International Journal of Agronomy</i> , 2017, 2017, 1-12.	1.2	117
3	Variation in xylem vulnerability to embolism in European beech from geographically marginal populations. <i>Tree Physiology</i> , 2018, 38, 173-185.	3.1	93
4	Assessing gas exchange, sap flow and water relations using tree canopy spectral reflectance indices in irrigated and rainfed <i>Olea europaea</i> L.. <i>Environmental and Experimental Botany</i> , 2014, 99, 43-52.	4.2	75
5	Desiccation and Mortality Dynamics in Seedlings of Different European Beech (<i>Fagus sylvatica</i> L.) Populations under Extreme Drought Conditions. <i>Frontiers in Plant Science</i> , 2016, 7, 751.	3.6	72
6	Effects of Increasing Salinity Stress and Decreasing Water Availability on Ecophysiological Traits of Quinoa (<i>Chenopodium quinoa</i> Willd.) Grown in a Mediterranean-Type Agroecosystem. <i>Journal of Agronomy and Crop Science</i> , 2013, 199, 229-240.	3.5	66
7	Integrated biomonitoring of airborne pollutants over space and time using tree rings, bark, leaves and epiphytic lichens. <i>Urban Forestry and Urban Greening</i> , 2016, 17, 177-191.	5.3	56
8	Monitoring intra-annual dynamics of wood formation with microcores and dendrometers in <i>Picea abies</i> at two different altitudes. <i>Tree Physiology</i> , 2016, 36, 832-846.	3.1	52
9	Early effects of water deficit on two parental clones of <i>Populus nigra</i> grown under different environmental conditions. <i>Functional Plant Biology</i> , 2010, 37, 244.	2.1	48
10	Investigating biochemical processes to assess deadwood decay of beech and silver fir in Mediterranean mountain forests. <i>Annals of Forest Science</i> , 2013, 70, 101-111.	2.0	46
11	Silver nanoparticles enter the tree stem faster through leaves than through roots. <i>Tree Physiology</i> , 2019, 39, 1251-1261.	3.1	39
12	Oak tree-rings record spatial-temporal pollution trends from different sources in Terni (Central Italy). <i>Environmental Pollution</i> , 2010, 110, 107-115.	7.5	38
13	A novel mathematical procedure to interpret the stem radius variation in olive trees. <i>Agricultural and Forest Meteorology</i> , 2012, 161, 80-93.	4.8	37
14	Variation in Ecophysiological Traits and Drought Tolerance of Beech (<i>Fagus sylvatica</i> L.) Seedlings from Different Populations. <i>Frontiers in Plant Science</i> , 2016, 7, 886.	3.6	36
15	Distribution and concentration of cadmium in root tissue of <i>Populus alba</i> determined by scanning electron microscopy and energy-dispersive x-ray microanalysis. <i>IForest</i> , 2008, 1, 96-103.	1.4	34
16	Shaping the multifunctional tree: the use of Salicaceae in environmental restoration. <i>IForest</i> , 2013, 6, 37-47.	1.4	32
17	Beyond Sustainability in Food Systems: Perspectives from Agroecology and Social Innovation. <i>Sustainability</i> , 2020, 12, 7524.	3.2	31
18	Do tree-ring traits reflect different water deficit responses in young poplar clones (<i>Populus trichocarpa</i> Mill. and <i>P. deltoides</i> Marsh.)?. <i>Trees - Structure and Function</i> , 2011, 25, 975-985.	1.1	24

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19	Long-Term Effect of Charcoal Accumulation in Hearth Soils on Tree Growth and Nutrient Cycling. <i>Frontiers in Environmental Science</i> , 2019, 7, .	3.3	23
20	Enhancing phytoextraction of Cd by combining poplar (clone "214") with <i>Pseudomonas fluorescens</i> and microbial consortia. <i>Environmental Science and Pollution Research</i> , 2014, 21, 1796-1808.	5.3	22
21	Estimating VAIA Windstorm Damaged Forest Area in Italy Using Time Series Sentinel-2 Imagery and Continuous Change Detection Algorithms. <i>Forests</i> , 2021, 12, 680.	2.1	22
22	Low temperature induces different cold sensitivity in two poplar clones (<i>Populus</i> — <i>canadensis</i> MÃ¶nch) Tj ETQq0 0 0 rgBT /Overlock 10	4.8	21
23	Simultaneous measurements of stem radius variation and sap flux density reveal synchronisation of water storage and transpiration dynamics in olive trees. <i>Ecohydrology</i> , 2015, 8, 33-45.	2.4	21
24	High-Resolution Analytical Approach to Describe the Sensitivity of Treeâ€™Environment Dependences through Stem Radial Variation. <i>Forests</i> , 2018, 9, 134.	2.1	21
25	Environmental pollution effects on plant microbiota: the case study of poplar bacterial-fungal response to silver nanoparticles. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 8215-8227.	3.6	21
26	Dendrochronological assessment of the time since death of dead wood in an old growth Magellan's beech forest, Navarino Island (Chile). <i>Austral Ecology</i> , 2011, 36, 329-340.	1.5	19
27	Challenging synergistic activity of poplarâ€™bacteria association for the Cd phytostabilization. <i>Environmental Science and Pollution Research</i> , 2015, 22, 19546-19561.	5.3	19
28	The green side of the grey: Assessing greenspaces in built-up areas of Italy. <i>Urban Forestry and Urban Greening</i> , 2019, 37, 147-153.	5.3	19
29	The excess of phosphorus in soil reduces physiological performances over time but enhances prompt recovery of salt-stressed <i>Arundo donax</i> plants. <i>Plant Physiology and Biochemistry</i> , 2020, 151, 556-565.	5.8	19
30	Cd and Cu accumulation, translocation and tolerance in <i>Populus alba</i> clone (Villafranca) in autotrophic in vitro screening. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10058-10068.	5.3	17
31	Environmental-mediated relationships between tree growth of black spruce and abundance of spruce budworm along a latitudinal transect in Quebec, Canada. <i>Agricultural and Forest Meteorology</i> , 2015, 213, 53-63.	4.8	16
32	Mapping Cadmium distribution in roots of Salicaceae through scanning electron microscopy with x-ray microanalysis. <i>IForest</i> , 2011, 4, 113-120.	1.4	16
33	Use of proximal sensing and vegetation indexes to detect the inefficient spatial allocation of drip irrigation in a spot area of tomato field crop. <i>Precision Agriculture</i> , 2015, 16, 613-629.	6.0	14
34	Economic impacts of ambient ozone pollution on wood production in Italy. <i>Scientific Reports</i> , 2021, 11, 154.	3.3	14
35	Impact of high or low levels of phosphorus and high sodium in soils on productivity and stress tolerance of <i>Arundo donax</i> plants. <i>Plant Science</i> , 2019, 289, 110260.	3.6	13
36	Preserving air pollution forest archives accessible through dendrochemistry. <i>Journal of Environmental Management</i> , 2020, 264, 110462.	7.8	13

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37	Isotopic and Water Relation Responses to Ozone and Water Stress in Seedlings of Three Oak Species with Different Adaptation Strategies. <i>Forests</i> , 2020, 11, 864.	2.1	12
38	Half-Sib Lines of Pedunculate Oak (<i>Quercus robur</i> L.) Respond Differently to Drought Through Biometrical, Anatomical and Physiological Traits. <i>Forests</i> , 2020, 11, 153.	2.1	12
39	Integration of Ground and Multi-Resolution Satellite Data for Predicting the Water Balance of a Mediterranean Two-Layer Agro-Ecosystem. <i>Remote Sensing</i> , 2016, 8, 731.	4.0	11
40	Climate-growth relationships at the transition between <i>Fagus sylvatica</i> and <i>Pinus mugo</i> forest communities in a Mediterranean mountain. <i>Annals of Forest Science</i> , 2020, 77, 1.	2.0	8
41	Monitoring air pollution close to a cement plant and in a multi-source industrial area through tree-ring analysis. <i>Environmental Science and Pollution Research</i> , 2021, 28, 54030-54040.	5.3	8
42	Spatial patterns of leaf shape variation in European beech (<i>Fagus sylvatica</i> L.) provenances. <i>Trees - Structure and Function</i> , 2022, 36, 497-511.	1.9	7
43	Eligible reference cities in relation to BVOC-derived O ₃ pollution. <i>Urban Forestry and Urban Greening</i> , 2017, 28, 73-80.	5.3	6
44	Dendrochemistry: Ecosystem Services Perspectives for Urban Biomonitoring. <i>Frontiers in Environmental Science</i> , 2020, 8, .	3.3	6
45	The TreeTalkersCheck R package: An automatic daily routine to check physiological traits of trees in the forest. <i>Ecological Informatics</i> , 2021, 66, 101433.	5.2	6
46	Could cattle ranching and soybean cultivation be sustainable? A systematic review and a meta-analysis for the Amazon. <i>IForest</i> , 2021, 14, 285-298.	1.4	5
47	<i>Magnolia grandiflora</i> L. shows better responses to drought than <i>Magnolia soulangeana</i> in urban environment. <i>IForest</i> , 2020, 13, 575-583.	1.4	5
48	Probabilistic Provenance Detection and Management Pathways for <i>Pseudotsuga menziesii</i> (Mirb.) Franco in Italy Using Climatic Analogues. <i>Plants</i> , 2021, 10, 215.	3.5	4
49	Towards a more active dialogue between hydrologists and ecophysicologists for interdisciplinary studies in forest ecosystems. <i>Science of the Total Environment</i> , 2022, 807, 150877.	8.0	4
50	EFFECTS OF INEFFICIENT SPATIAL ALLOCATION OF IRRIGATION WATER ON FRUIT YIELD, LEAF PHYSIOLOGY AND SPECTRAL REFLECTANCE IN A TOMATO CROP. <i>Acta Horticulturae</i> , 2014, , 185-192.	0.2	3
51	Wood Anatomical Responses of European Beech to Elevation, Land Use Change, and Climate Variability in the Central Apennines, Italy. <i>Frontiers in Plant Science</i> , 2022, 13, 855741.	3.6	3
52	Root Exposure to 5-Aminolevulinic Acid (ALA) Affects Leaf Element Accumulation, Isoprene Emission, Phytohormonal Balance, and Photosynthesis of Salt-Stressed <i>Arundo donax</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 4311.	4.1	3
53	Modulation of class III peroxidase pathways and phenylpropanoids in <i>Arundo donax</i> under salt and phosphorus stress. <i>Plant Physiology and Biochemistry</i> , 2022, 183, 151-159.	5.8	3
54	Tree Growth Conditions Are Demanded When Optimal, Are Unwanted When Limited, but When Are They Suboptimal?. <i>Plants</i> , 2021, 10, 1943.	3.5	2

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55	A quick screening to assess the phytoextraction potential of cadmium and copper in <i>Quercus pubescens</i> plantlets. <i>IForest</i> , 2017, 10, 93-98.	1.4	2
56	Identification of Known and Novel <i>Arundo donax</i> L. MicroRNAs and Their Targets Using High-Throughput Sequencing and Degradome Analysis. <i>Life</i> , 2022, 12, 651.	2.4	1