Roberto Tognetti

List of Publications by Year
in descending order

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259	8,718	38742 50	71685 76
papers	citations	h-index	g-index

272	272	272	9152
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Monitoring drought response and chlorophyll content in Quercus by consumer-grade, near-infrared (NIR) camera: a comparison with reflectance spectroscopy. New Forests, 2022, 53, 241-265.	1.7	13
2	White rot fungal impact on the evolution of simple phenols during decay of silver fir wood by UHPLCâ€HQOMS. Phytochemical Analysis, 2022, 33, 170-183.	2.4	3
3	Spatial patterns of leaf shape variation in European beech (Fagus sylvatica L.) provenances. Trees - Structure and Function, 2022, 36, 497-511.	1.9	7
4	Temperature effect on size distributions in spruce-fir-beech mixed stands across Europe. Forest Ecology and Management, 2022, 504, 119819.	3.2	6
5	Defining Climate-Smart Forestry. Managing Forest Ecosystems, 2022, , 35-58.	0.9	10
6	Smart Harvest Operations and Timber Processing for Improved Forest Management. Managing Forest Ecosystems, 2022, , 317-359.	0.9	5
7	Changes of Tree and Stand Growth: Review and Implications. Managing Forest Ecosystems, 2022, , 189-222.	0.9	6
8	National Forest Inventory Data to Evaluate Climate-Smart Forestry. Managing Forest Ecosystems, 2022, , 107-139.	0.9	4
9	Efficacy of Trans-geographic Observational Network Design for Revelation of Growth Pattern in Mountain Forests Across Europe. Managing Forest Ecosystems, 2022, , 141-187.	0.9	4
10	Continuous Monitoring of Tree Responses to Climate Change for Smart Forestry: A Cybernetic Web of Trees. Managing Forest Ecosystems, 2022, , 361-398.	0.9	6
11	Modelling Future Growth of Mountain Forests Under Changing Environments. Managing Forest Ecosystems, 2022, , 223-262.	0.9	8
12	An Introduction to Climate-Smart Forestry in Mountain Regions. Managing Forest Ecosystems, 2022, , 1-33.	0.9	2
13	Correction: Soil erodibility in European mountain beech forests. Canadian Journal of Forest Research, 2022, 52, 135-135.	1.7	0
14	Wood Anatomical Responses of European Beech to Elevation, Land Use Change, and Climate Variability in the Central Apennines, Italy. Frontiers in Plant Science, 2022, 13, 855741.	3.6	3
15	Monitoring the abundance of saproxylic red-listed species in a managed beech forest by landsat temporal metrics. Forest Ecosystems, 2022, 9, 100050.	3.1	6
16	New evidence for population-specific responses to drought events from tree ring chronologies of Pinus nigra ssp. laricio across the entire distribution range. Agricultural and Forest Meteorology, 2022, 323, 109076.	4.8	2
17	Local environment prevails over population variations in growth-climate relationships of Pinus pinaster provenances. Dendrochronologia, 2022, 75, 125983.	2.2	3
18	Pan-European sustainable forest management indicators for assessing Climate-Smart Forestry in Europe. Canadian Journal of Forest Research, 2021, 51, 1741-1750.	1.7	28

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19	European beech stem diameter grows better in mixed than in mono-specific stands at the edge of its distribution in mountain forests. European Journal of Forest Research, 2021, 140, 127-145.	2.5	23
20	Effects of elevation-dependent climate warming on intra- and inter-specific growth synchrony in mixed mountain forests. Forest Ecology and Management, 2021, 479, 118587.	3.2	15
21	Relationship between Forest Ecophysiology and Environment. Forests, 2021, 12, 68.	2.1	0
22	Microbial soil biodiversity in beech forests of European mountains. Canadian Journal of Forest Research, 2021, 51, 1833-1845.	1.7	4
23	Species interactions in pure and mixed-species stands of silver fir and European beech in Mediterranean mountains. IForest, 2021, 14, 1-11.	1.4	7
24	A meta-analysis of mesophyll conductance to CO2 in relation to major abiotic stresses in poplar species. Journal of Experimental Botany, 2021, 72, 4384-4400.	4.8	9
25	A new generation of sensors and monitoring tools to support climate-smart forestry practices. Canadian Journal of Forest Research, 2021, 51, 1751-1765.	1.7	26
26	Two radiographic methods for assessing left atrial enlargement and cardiac remodeling in dogs with myxomatous mitral valve disease. Journal of Veterinary Cardiology, 2021, 34, 55-63.	0.9	9
27	Factors affecting the quantity and type of tree-related microhabitats in Mediterranean mountain forests of high nature value. IForest, 2021, 14, 250-259.	1.4	10
28	Unsupervised algorithms to detect single trees in a mixed-species and multilayered Mediterranean forest using LiDAR data. Canadian Journal of Forest Research, 2021, 51, 1766-1780.	1.7	6
29	The canopy layer, a biogeochemical actor in the forest N-cycle. Science of the Total Environment, 2021, 776, 146024.	8.0	18
30	Forest stand structure and coarse woody debris determine the biodiversity of beetle communities in Mediterranean mountain beech forests. Global Ecology and Conservation, 2021, 28, e01637.	2.1	18
31	Soil erodibility in European mountain beech forests. Canadian Journal of Forest Research, 2021, 51, 1846-1855.	1.7	4
32	What Is Known About the Management of European Beech Forests Facing Climate Change? A Review. Current Forestry Reports, 2021, 7, 321-333.	7.4	16
33	Importance of tree species size dominance and heterogeneity on the productivity of spruce-fir-beech mountain forest stands in Europe. Forest Ecology and Management, 2020, 457, 117716.	3.2	31
34	Diversity patterns of Coleoptera and saproxylic communities in unmanaged forests of Mediterranean mountains. Ecological Indicators, 2020, 110, 105873.	6.3	21
35	Photoperiod and temperature as dominant environmental drivers triggering secondary growth resumption in Northern Hemisphere conifers. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20645-20652.	7.1	113
36	What is Climate-Smart Forestry? A definition from a multinational collaborative process focused on mountain regions of Europe. Ecosystem Services, 2020, 43, 101113.	5.4	100

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37	Coconut Coir as a Sustainable Nursery Growing Media for Seedling Production of the Ecologically Diverse Quercus Species. Forests, 2020, 11, 522.	2.1	19
38	Interannual radial growth sensitivity to climatic variations and extreme events in mixed-species and pure forest stands of silver fir and European beech in the Italian Peninsula. European Journal of Forest Research, 2020, 139, 627-645.	2.5	13
39	Evidence of elevation-specific growth changes of spruce, fir, and beech in European mixed mountain forests during the last three centuries. Canadian Journal of Forest Research, 2020, 50, 689-703.	1.7	35
40	Climateâ€“growth relationships at the transition between Fagus sylvatica and Pinus mugo forest communities in a Mediterranean mountain. Annals of Forest Science, 2020, 77, 1.	2.0	8
41	A Comparison of the Variable J and Carbon-Isotopic Composition of Sugars Methods to Assess Mesophyll Conductance from the Leaf to the Canopy Scale in Drought-Stressed Cherry. International Journal of Molecular Sciences, 2020, 21, 1222.	4.1	7
42	Tree Growth and Wood Quality in Pure Vs. Mixed-Species Stands of European Beech and Calabrian Pine in Mediterranean Mountain Forests. Forests, 2020, 11, 6.	2.1	14
43	The excess of phosphorus in soil reduces physiological performances over time but enhances prompt recovery of salt-stressed Arundo donax plants. Plant Physiology and Biochemistry, 2020, 151, 556-565.	5.8	19
44	Reply to Elmendorf and Ettinger: Photoperiod plays a dominant and irreplaceable role in triggering secondary growth resumption. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32865-32867.	7.1	2
45	Special issue in honour of Prof. Reto J. StrasserÂ-ÂOrigin rather than mild drought stress influenced chlorophyll a fluorescence in contrasting silver fir (Abies alba Mill.) provenances. Photosynthetica, 2020, 58, 549-559.	1.7	6
46	Diversity of saproxylic beetle communities in chestnut agroforestry systems. IForest, 2020, 13, 456-465.	1.4	16
47	The productivity of mixed mountain forests comprised of Fagus sylvatica, Picea abies, and Abies alba across Europe. Forestry, 2019, 92, 512-522.	2.3	46
48	Impact of high or low levels of phosphorus and high sodium in soils on productivity and stress tolerance of Arundo donax plants. Plant Science, 2019, 289, 110260.	3.6	13
49	Characterization of Silver fir Wood Decay Classes Using Sugar Metabolites Detected with Ion Chromatography. Journal of Wood Chemistry and Technology, 2019, 39, 90-110.	1.7	6
50	Silver nanoparticles enter the tree stem faster through leaves than through roots. Tree Physiology, 2019, 39, 1251-1261.	3.1	39
51	A simple model simulating development and growth of an olive grove. European Journal of Agronomy, 2019, 105, 129-145.	4.1	32
52	Is tree age or tree size reducing height increment in Abies alba Mill. at its southernmost distribution limit?. Annals of Forest Science, 2019, 76, 1.	2.0	22
53	Influence of climatic factors on silver fir xylogenesis along the Italian Peninsula. IAWA Journal, 2019, 40, 259-S3.	2.7	13
54	Dendrochronological analysis and growth patterns of Polylepis reticulata (Rosaceae) in the Ecuadorian Andes. IAWA Journal, 2019, 40, 331-S5.	2.7	12

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55	Prediction of Competition Indices in a Norway Spruce and Silver Fir-Dominated Forest Using Lidar Data. Remote Sensing, 2019, 11, 2734.	4.0	16
56	Modeling regional drought-stress indices for beech forests in Mediterranean mountains based on tree-ring data. Agricultural and Forest Meteorology, 2019, 265, 110-120.	4.8	30
57	Relationships between stand structural attributes and saproxylic beetle abundance in a Mediterranean broadleaved mixed forest. Forest Ecology and Management, 2019, 432, 957-966.	3.2	26
58	Natural regeneration of Pinus pinaster facilitates Quercus ilex survival and growth under severe deer browsing pressure. Forest Ecology and Management, 2019, 432, 356-364.	3.2	16
59	The green side of the grey: Assessing greenspaces in built-up areas of Italy. Urban Forestry and Urban Greening, 2019, 37, 147-153.	5.3	19
60	The role of microbial community in the decomposition of leaf litter and deadwood. Applied Soil Ecology, 2018, 126, 75-84.	4.3	230
61	A tree from waste: Decontaminated dredged sediments for growing forest tree seedlings. Journal of Environmental Management, 2018, 211, 269-277.	7.8	14
62	Cd and Cu accumulation, translocation and tolerance in Populus alba clone (Villafranca) in autotrophic in vitro screening. Environmental Science and Pollution Research, 2018, 25, 10058-10068.	5.3	17
63	Elevation alters carbon and nutrient concentrations and stoichiometry in Quercus aquifolioides in southwestern China. Science of the Total Environment, 2018, 622-623, 1463-1475.	8.0	19
64	Growth dynamics, climate sensitivity and water use efficiency in pure vs. mixed pine and beech stands in Trentino (Italy). Forest Ecology and Management, 2018, 409, 707-718.	3.2	27
65	Variation in xylem vulnerability to embolism in European beech from geographically marginal populations. Tree Physiology, 2018, 38, 173-185.	3.1	93
66	Monoterpene responses to interacting effects of drought stress and infection by the fungus Heterobasidion parviporum in two clones of Norway spruce (Picea abies). Environmental and Experimental Botany, 2018, 152, 137-148.	4.2	18
67	Community fingerprinting reveals increasing wood-inhabiting fungal diversity in unmanaged Mediterranean forests. Forest Ecology and Management, 2018, 408, 202-210.	3.2	22
68	Quantifying decay progression of deadwood in Mediterranean mountain forests. Forest Ecology and Management, 2018, 408, 228-237.	3.2	22
69	Oak tree-rings record spatial-temporal pollution trends from different sources in Terni (Central) Tj ETQq1 1 0.784314 rgBT /Overlock 10	7.5	38
70	Xylogenesis of compression and opposite wood in mountain pine at a Mediterranean treeline. Annals of Forest Science, 2018, 75, 1.	2.0	7
71	Differential responses of canopy nutrients to experimental drought along a natural aridity gradient. Ecology, 2018, 99, 2230-2239.	3.2	61
72	Indication of environmental changes in mountain catchments by dendroclimatology. Soil and Water Research, 2018, 13, 208-217.	1.7	2

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73	High-Resolution Analytical Approach to Describe the Sensitivity of Treeâ€“Environment Dependences through Stem Radial Variation. Forests, 2018, 9, 134.	2.1	21
74	Evergreen Quercus aquifolioides remobilizes more soluble carbon components but less N and P from leaves to shoots than deciduous Betula ermanii at the end-season. IForest, 2018, 11, 517-525.	1.4	12
75	Linking deadwood traits with saproxylic invertebrates and fungi in European forests - a review. IForest, 2018, 11, 423-436.	1.4	64
76	Early responses of biodiversity indicators to various thinning treatments in mountain beech forests. IForest, 2018, 11, 609-618.	1.4	9
77	Large-scale estimation of xylem phenology in black spruce through remote sensing. Agricultural and Forest Meteorology, 2017, 233, 92-100.	4.8	28
78	Effects of associating Quercus robur L. and Alnus cordata Loisel. on plantation productivity and water use efficiency. Forest Ecology and Management, 2017, 391, 106-114.	3.2	21
79	The influence of slope on Spartium junceum root system: morphological, anatomical and biomechanical adaptation. Journal of Plant Research, 2017, 130, 515-525.	2.4	19
80	Eligible reference cities in relation to BVOC-derived O 3 pollution. Urban Forestry and Urban Greening, 2017, 28, 73-80.	5.3	6
81	Dissecting the role of isoprene and stress-related hormones (ABA and ethylene) in Populus nigra exposed to unequal root zone water stress. Tree Physiology, 2017, 37, 1637-1647.	3.1	37
82	Assessment of inter-annual forest production variations in Italy by the use of remote-sensing and ancillary data. European Journal of Remote Sensing, 2017, 50, 577-587.	3.5	3
83	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.	3.2	76
84	Climate-Smart Forestry in Mountain Regions â€“ COST Action CA15226. Impact, 2017, 2017, 29-31.	0.1	6
85	The Effects of Biochar and Its Combination with Compost on Lettuce (Lactuca sativaL.) Growth, Soil Properties, and Soil Microbial Activity and Abundance. International Journal of Agronomy, 2017, 2017, 1-12.	1.2	117
86	Pinus mugoKrummholz Dynamics During Concomitant Change in Pastoralism and Climate in the Central Apennines. Mountain Research and Development, 2017, 37, 75-86.	1.0	11
87	Climate signals in a multispecies tree-ring network from central and southern Italy and reconstruction of the late summer temperatures since the early 1700s. Climate of the Past, 2017, 13, 1451-1471.	3.4	13
88	A synthesis of radial growth patterns preceding tree mortality. Global Change Biology, 2017, 23, 1675-1690.	9.5	394
89	Insensitivity of Tree-Ring Growth to Temperature and Precipitation Sharpens the Puzzle of Enhanced Pre-Eruption NDVI on Mt. Etna (Italy). PLoS ONE, 2017, 12, e0169297.	2.5	10
90	Drivers of treeline shift in different European mountains. Climate Research, 2017, 73, 135-150.	1.1	46

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91	A quick screening to assess the phytoextraction potential of cadmium and copper in Quercus pubescens plantlets. IForest, 2017, 10, 93-98.	1.4	2
92	Integration of Ground and Multi-Resolution Satellite Data for Predicting the Water Balance of a Mediterranean Two-Layer Agro-Ecosystem. Remote Sensing, 2016, 8, 731.	4.0	11
93	Desiccation and Mortality Dynamics in Seedlings of Different European Beech (Fagus sylvatica L.) Populations under Extreme Drought Conditions. Frontiers in Plant Science, 2016, 7, 751.	3.6	72
94	Variation in Ecophysiological Traits and Drought Tolerance of Beech (Fagus sylvatica L.) Seedlings from Different Populations. Frontiers in Plant Science, 2016, 7, 886.	3.6	36
95	Towards a common methodology for developing logistic tree mortality models based on ringâ€width data. Ecological Applications, 2016, 26, 1827-1841.	3.8	36
96	Mapping the accumulation of woody biomass in Mediterranean beech forests by the combination of BIOME-BGC and ancillary data. Canadian Journal of Forest Research, 2016, 46, 1122-1131.	1.7	5
97	Spatial patterns of saproxylic beetles in a relic silver fir forest (Central Italy), relationships with forest structure and biodiversity indicators. Forest Ecology and Management, 2016, 381, 217-234.	3.2	36
98	Soil attributes and microclimate are important drivers of initial deadwood decay in sub-alpine Norway spruce forests. Science of the Total Environment, 2016, 569-570, 1064-1076.	8.0	32
99	Evidence of solar activity and El NiÃ±o signals in tree rings of Araucaria araucana and A. angustifolia in South America. Global and Planetary Change, 2016, 145, 1-10.	3.5	17
100	High daytime temperature delays autumnal bud formation inPopulus tremulaunder field conditions. Tree Physiology, 2016, 37, 71-81.	3.1	9
101	Integrated biomonitoring of airborne pollutants over space and time using tree rings, bark, leaves and epiphytic lichens. Urban Forestry and Urban Greening, 2016, 17, 177-191.	5.3	56
102	Monitoring intra-annual dynamics of wood formation with microcores and dendrometers inPicea abiesat two different altitudes. Tree Physiology, 2016, 36, 832-846.	3.1	52
103	Stand structure and deadwood amount influences saproxylic fungal biodiversity in Mediterranean mountain unmanaged forests. IForest, 2016, 9, 115-124.	1.4	31
104	Forest Ecosystem Services: Issues and Challenges for Biodiversity, Conservation, and Management in Italy. Forests, 2015, 6, 1810-1838.	2.1	28
105	Long Tree-Ring Chronologies Provide Evidence of Recent Tree Growth Decrease in a Central African Tropical Forest. PLoS ONE, 2015, 10, e0120962.	2.5	53
106	Use of proximal sensing and vegetation indexes to detect the inefficient spatial allocation of drip irrigation in a spot area of tomato field crop. Precision Agriculture, 2015, 16, 613-629.	6.0	14
107	Synchronisms and correlations of spring phenology between apical and lateral meristems in two boreal conifers. Tree Physiology, 2015, 35, 1086-1094.	3.1	49
108	Trees harvesting the clouds: fog nets threatened by climate change: Figure 1.. Tree Physiology, 2015, 35, 921-924.	3.1	15

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109	Physiological performance and biomass production of two ornamental shrub species under deficit irrigation. Trees - Structure and Function, 2015, 29, 407-422.	1.9	9
110	Environmental-mediated relationships between tree growth of black spruce and abundance of spruce budworm along a latitudinal transect in Quebec, Canada. Agricultural and Forest Meteorology, 2015, 213, 53-63.	4.8	16
111	Sap flow as a key trait in the understanding of plant hydraulic functioning. Tree Physiology, 2015, 35, 341-345.	3.1	70
112	Tree shelters affect shoot and root system growth and structure in Quercus robur during regeneration establishment. European Journal of Forest Research, 2015, 134, 641-652.	2.5	18
113	Effects of combined ozone and cadmium stresses on leaf traits in two poplar clones. Environmental Science and Pollution Research, 2015, 22, 2064-2075.	5.3	15
114	Interspecific variation in functional traits of oak seedlings (Quercus ilex, Quercus trojana, Quercus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 595-611.	2.4	22
115	Quantifying the effect of sampling plot size on the estimation of structural indicators in old-growth forest stands. Forest Ecology and Management, 2015, 346, 89-97.	3.2	41
116	Can the use of large, alternative nursery containers aid in field establishment of Juglans regia and Quercus robur seedlings?. New Forests, 2015, 46, 773-794.	1.7	10
117	Challenging synergistic activity of poplarâ€“bacteria association for the Cd phytostabilization. Environmental Science and Pollution Research, 2015, 22, 19546-19561.	5.3	19
118	Simultaneous measurements of stem radius variation and sap flux density reveal synchronisation of water storage and transpiration dynamics in olive trees. Ecohydrology, 2015, 8, 33-45.	2.4	21
119	Tree-Ring Stable Isotopes Reveal Twentieth-Century Increases in Water-Use Efficiency of Fagus sylvatica and Nothofagus spp. in Italian and Chilean Mountains. PLoS ONE, 2014, 9, e113136.	2.5	56
120	Mountain vegetation at risk: Current perspectives and research reeds. Plant Biosystems, 2014, 148, 35-41.	1.6	13
121	Assessing most relevant factors to simulate current annual increments of beech forests in Italy. IForest, 2014, 7, 115-122.	1.4	10
122	The olive-branch dating of the Santorini eruption. Antiquity, 2014, 88, 267-273.	1.0	25
123	Warmingâ€related growth responses at the southern limit distribution of mountain pine (<i>Pinus) Tj ETQq1 1 0.784314 rgBT /Overlo	2.2	23
124	Enhancing phytoextraction of Cd by combining poplar (clone â€œI-214â€) with Pseudomonas fluorescens and microbial consortia. Environmental Science and Pollution Research, 2014, 21, 1796-1808.	5.3	22
125	Assessing gas exchange, sap flow and water relations using tree canopy spectral reflectance indices in irrigated and rainfed Olea europaea L.. Environmental and Experimental Botany, 2014, 99, 43-52.	4.2	75
126	Early responses to cadmium of two poplar clones that differ in stress tolerance. Journal of Plant Physiology, 2014, 171, 1693-1705.	3.5	41

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127	Assessment of xylem phenology: a first attempt to verify its accuracy and precision. Tree Physiology, 2014, 34, 87-93.	3.1	25
128	Ecophysiological responses and vulnerability to other pathologies in European chestnut coppices, heavily infested by the Asian chestnut gall wasp. Forest Ecology and Management, 2014, 314, 38-49.	3.2	25
129	Start of the dry season as a main determinant of inter-annual Mediterranean forest production variations. Agricultural and Forest Meteorology, 2014, 194, 197-206.	4.8	29
130	Wood hydraulic and mechanical properties induced by low water availability on two ornamental species PhotiniaÃ—fraseri var. Red Robin and Viburnum opulus L.. Urban Forestry and Urban Greening, 2014, 13, 158-165.	5.3	4
131	EFFECTS OF INEFFICIENT SPATIAL ALLOCATION OF IRRIGATION WATER ON FRUIT YIELD, LEAF PHYSIOLOGY AND SPECTRAL REFLECTANCE IN A TOMATO CROP. Acta Horticulturae, 2014, , 185-192.	0.2	3
132	DIFFERENT IRRIGATION REGIMES INDUCE CHANGES IN VESSEL SIZE IN OLIVE TREES (OLEA EUROPAEA L.) FROM SOUTHERN ITALY. Acta Horticulturae, 2014, , 455-461.	0.2	2
133	Enhancement of chestnut stands wood production. L Italia Forestale E Montana, 2014, 69, 307-317.	0.2	4
134	Tree-ring wood anatomy and stable isotopes show structural and functional adjustments in olive trees under different water availability. Plant and Soil, 2013, 372, 567-579.	3.7	37
135	Quercus ilex L. as bioaccumulator for heavy metals in urban areas: Effectiveness of leaf washing with distilled water and considerations on the trees distance from traffic. Urban Forestry and Urban Greening, 2013, 12, 576-584.	5.3	77
136	Differential ozone sensitivity interferes with cadmium stress in poplar clones. Biologia Plantarum, 2013, 57, 313-324.	1.9	24
137	Take a tree to the limit: the stress line. Tree Physiology, 2013, 33, 887-890.	3.1	5
138	Investigating biochemical processes to assess deadwood decay of beech and silver fir in Mediterranean mountain forests. Annals of Forest Science, 2013, 70, 101-111.	2.0	46
139	Effects of Increasing Salinity Stress and Decreasing Water Availability on Ecophysiological Traits of Quinoa (C</scp>henopodium quinoa <scp>W</scp>illd.) Grown in a <scp>M</scp>editerraneanâ€Type Agroecosystem. Journal of Agronomy and Crop Science, 2013, 199, 229-240.	3.5	66
140	Shaping the multifunctional tree: the use of Salicaceae in environmental restoration. IForest, 2013, 6, 37-47.	1.4	32
141	Is land abandonment affecting forest dynamics at high elevation in Mediterranean mountains more than climate change?. Plant Biosystems, 2013, 147, 1-11.	1.6	85
142	Olive Tree-Ring Problematic Dating: A Comparative Analysis on Santorini (Greece). PLoS ONE, 2013, 8, e54730.	2.5	60
143	Comparison of forest stand structure and management of silver firâ€“European beech forests in the Central Apennines, Italy and in the Dinaric Mountains, Slovenia. Plant Biosystems, 2012, 146, 114-123.	1.6	15
144	Carbon sequestration by forests in the National Parks of Italy. Plant Biosystems, 2012, 146, 1001-1011.	1.6	35

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145	Adaptation to climate change of dioecious plants: does gender balance matter?. Tree Physiology, 2012, 32, 1321-1324.	3.1	49
146	MONITORING SAP FLOW AS INDICATOR OF TRANSPIRATION AND WATER STATUS OF AN EXPERIMENTAL OLIVE TREE ORCHARD. Acta Horticulturae, 2012, , 167-174.	0.2	0
147	PHYSIOLOGICAL AND PRODUCTIVE PARAMETERS OF OLIVE TREES (OLEA EUROPAEA L.) UNDER DIFFERENT IRRIGATION SCHEDULING IN CENTRAL-SOUTH ITALY. Acta Horticulturae, 2012, , 115-121.	0.2	2
148	Tree-ring responses in Araucaria araucana to two major eruptions of Lonquimay Volcano (Chile). Trees - Structure and Function, 2012, 26, 1805-1819.	1.9	18
149	Pruning methods to restore Castanea sativa stands attacked by Dryocosmus kuriphilus. New Forests, 2012, 43, 869-885.	1.7	17
150	Leaf gas exchanges and photosystem efficiency of the holm oak in urban green areas of Florence, Italy. Urban Forestry and Urban Greening, 2012, 11, 313-319.	5.3	21
151	Deadwood occurrence and forest structure as indicators of old-growth forest conditions in Mediterranean mountainous ecosystems. Ecoscience, 2012, 19, 344-355.	1.4	43
152	A novel mathematical procedure to interpret the stem radius variation in olive trees. Agricultural and Forest Meteorology, 2012, 161, 80-93.	4.8	37
153	SAP FLOW MEASUREMENTS FOR THE EVALUATION OF POPLAR CLONE PERFORMANCE IN REMEDIATION OF SOIL POLLUTED WITH OLIVE MILL WASTEWATER. Acta Horticulturae, 2012, , 175-181.	0.2	0
154	Dendrochronological assessment of the time since death of dead wood in an old growth Magellan's beech forest, Navarino Island (Chile). Austral Ecology, 2011, 36, 329-340.	1.5	19
155	Effects of varying nitrogen fertilization on crop yield and grain quality of emmer grown in a typical Mediterranean environment in central Italy. European Journal of Agronomy, 2011, 34, 172-180.	4.1	29
156	Do tree-ring traits reflect different water deficit responses in young poplar clones (PopulusÂÂ—Âcanadensis MÃ¶nch â€˜I-214â€™ and P. deltoides â€˜Dvinaâ€™)?. Trees - Structure and Function, 2011, 25, 975-985.	1.9	24
157	Assessment of potential bioenergy from coppice forests trough the integration of remote sensing and field surveys. Biomass and Bioenergy, 2011, 35, 716-724.	5.7	29
158	Transcriptome analyses of Populus x euramericana clone I-214 leaves exposed to excess zinc. Tree Physiology, 2011, 31, 1293-1308.	3.1	54
159	Fifth International Poplar Symposium: 'Poplars and willows: from research models to multipurpose trees for a bio-based society'. Tree Physiology, 2011, 31, 1289-1292.	3.1	6
160	LEAF MINERAL STATUS AS INFLUENCED BY DIFFERENT IRRIGATION STRATEGIES IN TWO ITALIAN OLIVE (OLEA) Tj ETQq0 0 0 rgBT /Overl	0.2	1
161	Mapping Cadmium distribution in roots of Salicaceae through scanning electron microscopy with x-ray microanalysis. IForest, 2011, 4, 113-120.	1.4	16
162	LAND APPLICATION OF OLIVE OIL MILL WASTE WATER IN A POPLAR PLANTATION: INITIAL SITE CHARACTERIZATION. Acta Horticulturae, 2011, , 345-352.	0.2	1

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163	Early effects of water deficit on two parental clones of Populus nigra grown under different environmental conditions. Functional Plant Biology, 2010, 37, 244.	2.1	48
164	Ecological portrayal of oldâ€growth forests and persistent woodlands in the Cilento and Vallo di Diano National Park (southern Italy). Plant Biosystems, 2010, 144, 130-147.	1.6	50
165	Relation ofFraxinus excelsiorseedling morphology to growth and root proliferation during field establishment. Scandinavian Journal of Forest Research, 2010, 25, 60-67.	1.4	11
166	Above Ground Processes: Anticipating Climate Change Influences. Ecological Studies, 2010, , 31-64.	1.2	5
167	DEADWOOD IN FOREST STANDS CLOSE TO OLD-GROWTHNESS UNDER MEDITERRANEAN CONDITIONS IN THE ITALIAN PENINSULA. L Italia Forestale E Montana, 2010, , 481-504.	0.2	27
168	Low temperature induces different cold sensitivity in two poplar clones (PopulusÃ—canadensis MÃ¶nch) Tj ETQq0 0 0 rgBT /Overlock 10	4.8	21
169	Crop yield and grain quality of emmer populations grown in central Italy, as affected by nitrogen fertilization. European Journal of Agronomy, 2009, 31, 233-240.	4.1	30
170	Responses of the PopulusÃ—euramericana clone I-214 to excess zinc: Carbon assimilation, structural modifications, metal distribution and cellular localization. Environmental and Experimental Botany, 2009, 67, 153-163.	4.2	93
171	Physiological and productive responses ofOlea europaeaL. cultivars Frantoio and Leccino to a regulated deficit irrigation regime. Plant Biosystems, 2009, 143, 222-231.	1.6	37
172	Assessing environmental controls over conductances through the soilâ€“plantâ€“atmosphere continuum in an experimental olive tree plantation of southern Italy. Agricultural and Forest Meteorology, 2009, 149, 1229-1243.	4.8	108
173	Individuazione delle aree vocate all'arboricoltura con specie a legname pregiato in provincia di Firenze. , 2009, , .		1
174	Change is in the air: future challenges for applied forest research. IForest, 2009, 2, 56-58.	1.4	0
175	EVALUATING WATER USE STRATEGIES IN OLIVE TREES GROWN UNDER DIFFERENT WATER AVAILABILITY REGIMES THROUGH AN INTEGRATED APPROACH OF SAP FLOW AND HIGH RESOLUTION STEM GROWTH ANALYSIS. Acta Horticulturae, 2009, , 151-158.	0.2	0
176	Deadwood in Relation to Stand Management and Forest Type in Central Apennines (Molise, Italy). Ecosystems, 2008, 11, 882-894.	3.4	70
177	Variation in mesophyll anatomy and photosynthetic capacity during leaf development in a deciduous mesophyte fruit tree (Prunus persica) and an evergreen sclerophyllous Mediterranean shrub (Olea) Tj ETQq1 1 0.784314 rgBT /Overlock	4.8	119
178	Responses of two poplar species (Populus alba and Populus x canadensis) to high copper concentrations. Environmental and Experimental Botany, 2008, 62, 290-299.	4.2	64
179	Deficit irrigation and fertigation practices in olive growing: Convergences and divergences in two case studies. Plant Biosystems, 2008, 142, 138-148.	1.6	24
180	Stand structure and foliage distribution in Quercus pubescens and Quercus cerris forests in Tuscany (central Italy). Forest Ecology and Management, 2008, 255, 1810-1819.	3.2	19

#	Article	IF	Citations
181	Tree rings used to assess time since death of deadwood of different decay classes in beech and silver fir forests in the central Apennines (Molise, Italy). Canadian Journal of Forest Research, 2008, 38, 821-833.	1.7	56
182	Potential and limitations of improving olive orchard design and management through modelling. Plant Biosystems, 2008, 142, 130-137.	1.6	35
183	Soil respiration and microbial activity in a Mediterranean grassland exposed to Free Air CO₂Enrichment (FACE). Community Ecology, 2008, 9, 65-73.	0.9	7
184	PHOTOSYNTHETIC CAPACITY AND LEAF STRUCTURE DURING SHOOT DEVELOPMENT IN OLEA EUROPAEA. Acta Horticulturae, 2008, , 473-478.	0.2	0
185	THE EFFECT OF IRRIGATION MANAGEMENT ON PLANT PERFORMANCE AND OIL QUALITY OF TWO OLIVE CVS. GROWN IN A TYPICAL ENVIRONMENT OF SOUTHERN ITALY. Acta Horticulturae, 2008, , 297-305.	0.2	6
186	Structure and composition of a Mediterranean grassland community grown under Free-Air CO₂Enrichment (MiniFACE). Community Ecology, 2008, 9, 141-151.	0.9	2
187	EFFECTS OF DEFICIT IRRIGATION ON WATER RELATIONS OF OLIVE TREES (OLEA EUROPAEA L. CULTIVARS) Tj ETQq1 1 0.784314 rgBT	0.2	1
188	Seasonal variations in monoterpene profiles and ecophysiological traits in Mediterranean pine species of group â€œhalepensisâ€• IForest, 2008, 1, 65-74.	1.4	16
189	Distribution and concentration of cadmium in root tissue of Populus alba determined by scanning electron microscopy and energy-dispersive x-ray microanalysis. IForest, 2008, 1, 96-103.	1.4	34
190	PHYSIOLOGICAL CHARACTERIZATION OF OLIVE (OLEA EUROPAEA L.) GENOTYPES: A CASE STUDY ON LIGURIA REGION GERMPLASM. Acta Horticulturae, 2008, , 513-518.	0.2	0
191	Variations of Wood Anatomy and Î´13C Within-Tree Rings of Coastal Pinus Pinaster Showing Intra-Annual Density Fluctuations. IAWA Journal, 2007, 28, 61-74.	2.7	72
192	Leaf traits and tree rings suggest different water-use and carbon assimilation strategies by two co-occurring Quercus species in a Mediterranean mixed-forest stand in Tuscany, Italy. Tree Physiology, 2007, 27, 1741-1751.	3.1	34
193	Changes in assimilation capacity during leaf development in broad-leaved Prunus persica and sclerophyllous Olea europaea. Journal of Horticultural Science and Biotechnology, 2007, 82, 69-78.	1.9	18
194	Deficit irrigation affects seasonal changes in leaf physiology and oil quality of Olea europaea (cultivars Frantoio and Leccino). Annals of Applied Biology, 2007, 150, 169-186.	2.5	75
195	Responses of PopulusÃ—euramericana (P. deltoidesÃ—P. nigra) clone Adda to increasing copper concentrations. Environmental and Experimental Botany, 2007, 61, 66-73.	4.2	58
196	The effect of deficit irrigation on crop yield and vegetative development of Olea europaea L. (cvs.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.1	111
197	Isoprenoids content and photosynthetic limitations in rosemary and spearmint plants under water stress. Agriculture, Ecosystems and Environment, 2005, 106, 243-252.	5.3	110
198	The effect of deficit irrigation on seasonal variations of plant water use in Olea europaea L.. Plant and Soil, 2005, 273, 139-155.	3.7	83

#	Article	IF	Citations
199	The Effect of Elevated Atmospheric CO2Concentration on TwoPopulusClones Grown in a FACE System. Journal of Crop Improvement, 2005, 13, 377-392.	1.7	0
200	Physiological and Yield Responses of Grapevine (Vitis viniferaL.) Exposed to Elevated CO2Concentrations in a Free Air CO2Enrichment (FACE). Journal of Crop Improvement, 2005, 13, 345-359.	1.7	8
201	Effect of foliar application of N and humic acids on growth and yield of durum wheat. Agronomy for Sustainable Development, 2005, 25, 183-191.	5.3	122
202	Changes in Sink-source Relationships during Shoot Development in Olive. Journal of the American Society for Horticultural Science, 2005, 130, 631-637.	1.0	16
203	Sink-source Transition in Peach Leaves during Shoot Development. Journal of the American Society for Horticultural Science, 2005, 130, 928-935.	1.0	33
204	Physiological and morphological responses of grassland species toelevated atmospheric CO2 concentrations in FACE-systems andnatural CO2 springs. Functional Plant Biology, 2004, 31, 181.	2.1	47
205	Gas exchange and foliage characteristics of two poplar clones grown in soil amended with industrial waste. Tree Physiology, 2004, 24, 75-82.	3.1	46
206	Heavy metal accumulation and growth responses in poplar clones Eridano (Populus deltoides Ã— Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Experimental Botany, 2004, 52, 79-88.	4.2	164
207	Irrigation effects on daily and seasonal variations of trunk sap flow and leaf water relations in olive trees. Plant and Soil, 2004, 263, 249-264.	3.7	91
208	Growing season and hydrogen peroxide effects on root induction and development in Olea europaea L. (cvs â€˜Frantoioâ€™ and â€˜Gentile di Larinoâ€™) cuttings. Scientia Horticulturae, 2004, 100, 75-82.	3.6	34
209	Nitrogen and Carbon Concentrations, and Stable Isotope Ratios in Mediterranean Shrubs Growing in the Proximity of a CO₂ spring. Biologia Plantarum, 2003, 46, 411-418.	1.9	19
210	Identification, measurement and interpretation of tree rings in woody species from mediterranean climates. Biological Reviews, 2003, 78, 119-148.	10.4	345
211	Responses of Populus deltoides ÂÃ—Â Populus nigra (Populus ÂÃ—Â euramericana) clone Iâ€214 to high zinc concentrations. New Phytologist, 2003, 159, 443-452.	7.3	134
212	The response of sugar beet to drip and low-pressure sprinkler irrigation in southern Italy. Agricultural Water Management, 2003, 60, 135-155.	5.6	54
213	FIELD-GROWN CHARD (BETA VULGARIS L.) UNDER SOIL WATER STRESS CONDITIONS: EFFECT ON ANTIOXIDANT CONTENT. Acta Horticulturae, 2003, , 329-335.	0.2	3
214	Physiological and growth responses to water stress in Field-grown bell pepper (Capsicum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	1.9	51
215	Genotypic differences in the response to elevated CO₂concentration of one-year-old olive cuttings (Olea europaeaL. cv. Frantoio and Moraiolo). Plant Biosystems, 2002, 136, 199-207.	1.6	5
216	FOLIAR RESPONSES OF OLIVE TREES (OLEA EUROPAEA L.) UNDER FIELD EXPOSURE TO ELEVATED CO2 CONCENTRATION. Acta Horticulturae, 2002, , 449-452.	0.2	3

#	Article	IF	Citations
217	Calibration and application of FOREST-BGC in a Mediterranean area by the use of conventional and remote sensing data. Ecological Modelling, 2002, 154, 251-262.	2.5	42
218	Water relations and gas exchange in poplar and willow under water stress and elevated atmospheric CO2. Physiologia Plantarum, 2002, 115, 93-100.	5.2	55
219	Carbon-based secondary and structural compounds in Mediterranean shrubs growing near a natural CO2 spring. Global Change Biology, 2002, 8, 281-288.	9.5	30
220	Seasonal changes in tissue elasticity and water transport efficiency in three co-occurring Mediterranean shrubs under natural long-term CO2 enrichment. Functional Plant Biology, 2002, 29, 1097.	2.1	6
221	STOMATAL CHARACTERISTICS OF TWO OLIVE CULTIVARS "FRANTOIO" AND "LECCINO". Acta Horticulturae, 2002, , 541-544.	0.2	11
222	GROWTH, PHOTOSYNTHESIS, AND WATER STATUS OF OLIVE PLANTS RESPROUTING AFTER THE ELIMINATION OF THE CANOPY. Acta Horticulturae, 2002, , 511-513.	0.2	0
223	Leaf mineral concentrations of Erica arborea , Juniperus communis and Myrtus communis growing in the proximity of a natural CO2 spring. Global Change Biology, 2001, 7, 291-301.	9.5	27
224	Responses of Two Olive Tree (Olea Europaea L.) Cultivars to Elevated CO₂ Concentration in the Field. Photosynthetica, 2001, 39, 403-410.	1.7	33
225	Stem hydraulic properties and xylem vulnerability to embolism in three co-occurring Mediterranean shrubs at a natural CO2 spring. Functional Plant Biology, 2001, 28, 257.	2.1	6
226	Comparative stem-growth rates of Mediterranean trees under background and naturally enhanced ambient CO2 concentrations. New Phytologist, 2000, 146, 59-74.	7.3	140
227	Seasonal patterns of tissue water relations in three Mediterranean shrubs co-occurring at a natural CO2 spring. Plant, Cell and Environment, 2000, 23, 1341-1351.	5.7	36
228	Comparative field water relations of three Mediterranean shrub species co-occurring at a natural CO2 vent. Journal of Experimental Botany, 2000, 51, 1135-1146.	4.8	55
229	Geographic variation in growth, carbon isotope discrimination, and monoterpene composition in Pinus pinaster Ait. provenances. Canadian Journal of Forest Research, 2000, 30, 1682-1690.	1.7	33
230	Responses to elevated atmospheric CO₂ concentration and nitrogen supply of Quercus ilex L. seedlings from a coppice stand growing at a natural CO₂ spring. Annales Des Sciences ForestiÃ¨res, 1999, 56, 549-561.	1.2	10
231	Water relations, stomatal response and transpiration of Quercus pubescens trees during summer in a Mediterranean carbon dioxide spring. Tree Physiology, 1999, 19, 261-270.	3.1	65
232	Seasonal embolism and xylem vulnerability in deciduous and evergreen Mediterranean trees influenced by proximity to a carbon dioxide spring. Tree Physiology, 1999, 19, 271-277.	3.1	37
233	Photosynthetic Characteristics of Sun and Shade Leaves in the Canopy of Arbutus unedo L. Trees Exposed to In Situ Long-Term Elevated CO₂. Photosynthetica, 1999, 37, 1-16.	1.7	19
234	Responses of growth, nitrogen and carbon partitioning to elevated atmospheric CO2 concentration in live oak (Quercus virginiana Mill.) seedlings in relation to nutrient supply. Annales Des Sciences ForestiÃ¨res, 1999, 56, 91-105.	1.2	9

#	Article	IF	Citations
235	The effect of elevated atmospheric CO₂ concentration and nutrient supply on gas exchange, carbohydrates and foliar phenolic concentration in live oak (Quercus virginiana Mill.) seedlings. Annales Des Sciences ForestiÃ¨res, 1999, 56, 379-389.	1.2	20
236	Responses of two Populus clones to elevated atmospheric CO2 concentration in the field. Annales Des Sciences ForestiÃ¨res, 1999, 56, 493-500.	1.2	34
237	Vulnerability of xylem to embolism in relation to plant hydraulic resistance in Quercus pubescens and Quercus ilex coâ€occurring in a Mediterranean coppice stand in central Italy. New Phytologist, 1998, 139, 437-447.	7.3	109
238	Transpiration and stomatal behaviour of Quercus ilex plants during the summer in a Mediterranean carbon dioxide spring. Plant, Cell and Environment, 1998, 21, 613-622.	5.7	98
239	Modelling the surface conductance of a broadâ€leaf canopy: effects of partial decoupling from the atmosphere. Plant, Cell and Environment, 1998, 21, 867-879.	5.7	68
240	Response of foliar metabolism in mature trees of Quercus pubescens and Quercus ilex to long-term elevated CO2. Environmental and Experimental Botany, 1998, 39, 233-245.	4.2	65
241			

#	Article	IF	Citations
253	The response of European beech (Fagus sylvatica L.) seedlings from two Italian populations to drought and recovery. Trees - Structure and Function, 1995, 9, 348.	1.9	99
254	Water in the stems of sessile oak (Quercus petraea) assessed by computer tomography with concurrent measurements of sap velocity and ultrasound emission. Plant, Cell and Environment, 1995, 18, 545-554.	5.7	39
255	Formation and seasonal occurrence of xylem embolism in Alnus cordata. Tree Physiology, 1994, 14, 241-250.	3.1	38
256	Response to light of shade-grown beech seedlings subjected to different watering regimes. Tree Physiology, 1994, 14, 751-758.	3.1	45
257	Ecotypic Variation of Xylem Embolism, Phenological Traits, Growth Parameters and Allozyme Characteristics in Fagus sylvatica. Functional Ecology, 1993, 7, 713.	3.6	43
258	Relations between sap velocity and cavitation in broad-leaved trees. , 1993, , 114-128.		12
259	Intra-annual density fluctuations in silver fir are triggered by drought conditions. Trees - Structure and Function, 0, , 1.	1.9	0