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	A synthesis of radial growth patterns preceding tree mortality. Global Change Biology, 2017, 23, 1675-1690.	9.5	394
2	Identification, measurement and interpretation of tree rings in woody species from mediterranean climates. Biological Reviews, 2003, 78, 119-148.	10.4	345
3	The role of microbial community in the decomposition of leaf litter and deadwood. Applied Soil Ecology, 2018, 126, 75-84.	4.3	230
4	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
5	Comparative stem-growth rates of Mediterranean trees under background and naturally enhanced ambient CO2 concentrations. New Phytologist, 2000, 146, 59-74.	7.3	140
6	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
7	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
8	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
9	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
10	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
11	Isoprenoids content and photosynthetic limitations in rosemary and spearmint plants under water stress. Agriculture, Ecosystems and Environment, 2005, 106, 243-252.	5.3	110
12	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
13	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
14	Geographical variation in water relations, hydraulic architecture and terpene composition of Aleppo pine seedlings from Italian provinces. Tree Physiology, 1997, 17, 241-250.	3.1	107
15	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
16	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
17	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 /Overlo	4.9	99
18	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

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19	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
20	Variation in xylem vulnerability to embolism in European beech from geographically marginal populations. Tree Physiology, 2018, 38, 173-185.	3.1	93
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	Deadwood in Relation to Stand Management and Forest Type in Central Apennines (Molise, Italy). Ecosystems, 2008, 11, 882-894.	3.4	70
31	Sap flow as a key trait in the understanding of plant hydraulic functioning. Tree Physiology, 2015, 35, 341-345.	3.1	70
32	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
33	Effects of Increasing Salinity Stress and Decreasing Water Availability on Ecophysiological Traits of Quinoa (<scp>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
34	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
35	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
36	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

#	Article	IF	Citations
37	Linking deadwood traits with saproxylic invertebrates and fungi in European forests - a review. IForest, 2018, 11, 423-436.	1.4	64
38	Differential responses of canopy nutrients to experimental drought along a natural aridity gradient. Ecology, 2018, 99, 2230-2239.	3.2	61
39	Olive Tree-Ring Problematic Dating: A Comparative Analysis on Santorini (Greece). PLoS ONE, 2013, 8, e54730.	2.5	60
40	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
41	Ecophysiological responses of Fagus sylvatica seedlings to changing light conditions. II. The interaction of light environment and soil fertility on seedling physiology. Physiologia Plantarum, 1997, 101, 124-134.	5.2	56
42	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
43	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
44	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
45	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
46	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
47	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
48	Transcriptome analyses of Populus x euramericana clone I-214 leaves exposed to excess zinc. Tree Physiology, 2011, 31, 1293-1308.	3.1	54
49	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
50	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
51	Physiological and growth responses to water stress in Field-grown bell pepper (Capsicum) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.9	51
52	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
53	Adaptation to climate change of dioecious plants: does gender balance matter?. Tree Physiology, 2012, 32, 1321-1324.	3.1	49
54	Synchronisms and correlations of spring phenology between apical and lateral meristems in two boreal conifers. Tree Physiology, 2015, 35, 1086-1094.	3.1	49

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55	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
56	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
57	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
58	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
59	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
60	Drivers of treeline shift in different European mountains. Climate Research, 2017, 73, 135-150.	1.1	46
61	Response to light of shade-grown beech seedlings subjected to different watering regimes. Tree Physiology, 1994, 14, 751-758.	3.1	45
62	Ecotypic Variation of Xylem Embolism, Phenological Traits, Growth Parameters and Allozyme Characteristics in Fagus sylvatica. Functional Ecology, 1993, 7, 713.	3.6	43
63	Deadwood occurrence and forest structure as indicators of old-growth forest conditions in Mediterranean mountainous ecosystems. Ecoscience, 2012, 19, 344-355.	1.4	43
64	Comparison of sap flow, cavitation and water status of Quercus petraea and Quercus cerris trees with special reference to computer tomography. Plant, Cell and Environment, 1996, 19, 928-938.	5.7	42
65	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
66	Water relations of oak species growing in the natural CO₂ spring of Rapolano (central) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.2	41
67	Early responses to cadmium of two poplar clones that differ in stress tolerance. Journal of Plant Physiology, 2014, 171, 1693-1705.	3.5	41
68	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
69	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
70	Silver nanoparticles enter the tree stem faster through leaves than through roots. Tree Physiology, 2019, 39, 1251-1261.	3.1	39
71	Formation and seasonal occurrence of xylem embolism in Alnus cordata. Tree Physiology, 1994, 14, 241-250.	3.1	38
72	Oak tree-rings record spatial-temporal pollution trends from different sources in Terni (Central) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	7.5	38

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73	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
74	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
75	A novel mathematical procedure to interpret the stem radius variation in olive trees. Agricultural and Forest Meteorology, 2012, 161, 80-93.	4.8	37
76	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
77	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
78	Ecophysiological responses of Fagus sylvatica seedlings to changing light conditions. I. Interactions between photosynthetic acclimation and photoinhibition during simulated canopy gap formation. Physiologia Plantarum, 1997, 101, 115-123.	5.2	36
79	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
80	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
81	Towards a common methodology for developing logistic tree mortality models based on ringâ€width data. Ecological Applications, 2016, 26, 1827-1841.	3.8	36
82	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
83			

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91	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
92	Responses of Two Olive Tree (Olea Europaea L.) Cultivars to Elevated CO₂ Concentration in the Field. Photosynthetica, 2001, 39, 403-410.	1.7	33
93	Sink-source Transition in Peach Leaves during Shoot Development. Journal of the American Society for Horticultural Science, 2005, 130, 928-935.	1.0	33
94	Shaping the multifunctional tree: the use of Salicaceae in environmental restoration. IForest, 2013, 6, 37-47.	1.4	32
95	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
96	A simple model simulating development and growth of an olive grove. European Journal of Agronomy, 2019, 105, 129-145.	4.1	32
97	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
98	Stand structure and deadwood amount influences saproxylic fungal biodiversity in Mediterranean mountain unmanaged forests. IForest, 2016, 9, 115-124.	1.4	31
99	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
100	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
101	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
102	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
103	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
104	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
105	Forest Ecosystem Services: Issues and Challenges for Biodiversity, Conservation, and Management in Italy. Forests, 2015, 6, 1810-1838.	2.1	28
106	Large-scale estimation of xylem phenology in black spruce through remote sensing. Agricultural and Forest Meteorology, 2017, 233, 92-100.	4.8	28
107	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
108	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

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109	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
110	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
111	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
112	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
113	The olive-branch dating of the Santorini eruption. Antiquity, 2014, 88, 267-273.	1.0	25
114	Assessment of xylem phenology: a first attempt to verify its accuracy and precision. Tree Physiology, 2014, 34, 87-93.	3.1	25
115	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
116	Deficit irrigation and fertigation practices in olive growing: Convergences and divergences in two case studies. Plant Biosystems, 2008, 142, 138-148.	1.6	24
117	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
118	Differential ozone sensitivity interferes with cadmium stress in poplar clones. Biologia Plantarum, 2013, 57, 313-324.	1.9	24
119	Warmingâ€related growth responses at the southern limit distribution of mountain pine (<i>Pinus) Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	23
120	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
121	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
122	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
123	Community fingerprinting reveals increasing wood-inhabiting fungal diversity in unmanaged Mediterranean forests. Forest Ecology and Management, 2018, 408, 202-210.	3.2	22
124	Quantifying decay progression of deadwood in Mediterranean mountain forests. Forest Ecology and Management, 2018, 408, 228-237.	3.2	22
125	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
126	Low temperature induces different cold sensitivity in two poplar clones (PopulusÃ—canadensis MÃ¶nch) Tj ETQq0 0 0 rgBT /Overlock 10	4.8	21

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127	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
128	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
129	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
130	High-Resolution Analytical Approach to Describe the Sensitivity of Treeâ€“Environment Dependences through Stem Radial Variation. Forests, 2018, 9, 134.	2.1	21
131	Diversity patterns of Coleoptera and saproxylic communities in unmanaged forests of Mediterranean mountains. Ecological Indicators, 2020, 110, 105873.	6.3	21
132	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
133	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
134	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
135	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
136	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
137	Challenging synergistic activity of poplarâ€“bacteria association for the Cd phytostabilization. Environmental Science and Pollution Research, 2015, 22, 19546-19561.	5.3	19
138	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
139	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
140	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
141	Coconut Coir as a Sustainable Nursery Growing Media for Seedling Production of the Ecologically Diverse Quercus Species. Forests, 2020, 11, 522.	2.1	19
142	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
143	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
144	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

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145	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
146	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
147	The canopy layer, a biogeochemical actor in the forest N-cycle. Science of the Total Environment, 2021, 776, 146024.	8.0	18
148	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
149	Pruning methods to restore Castanea sativa stands attacked by Dryocosmus kuriphilus. New Forests, 2012, 43, 869-885.	1.7	17
150	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
151	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
152	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
153	Prediction of Competition Indices in a Norway Spruce and Silver Fir-Dominated Forest Using Lidar Data. Remote Sensing, 2019, 11, 2734.	4.0	16
154	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
155	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
156	Seasonal variations in monoterpene profiles and ecophysiological traits in Mediterranean pine species of group â€œhalepensisâ€• IForest, 2008, 1, 65-74.	1.4	16
157	Mapping Cadmium distribution in roots of Salicaceae through scanning electron microscopy with x-ray microanalysis. IForest, 2011, 4, 113-120.	1.4	16
158	Diversity of saproxylic beetle communities in chestnut agroforestry systems. IForest, 2020, 13, 456-465.	1.4	16
159	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
160	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
161	Trees harvesting the clouds: fog nets threatened by climate change: Figure 1.. Tree Physiology, 2015, 35, 921-924.	3.1	15
162	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

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163	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
164	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
165	A tree from waste: Decontaminated dredged sediments for growing forest tree seedlings. Journal of Environmental Management, 2018, 211, 269-277.	7.8	14
166	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
167	Long-term effects of enhanced CO₂ concentrations on leaf gas exchange: research opportunities using CO₂ springs. , 1997, , 69-86.		13
168	Mountain vegetation at risk: Current perspectives and research reeds. Plant Biosystems, 2014, 148, 35-41.	1.6	13
169	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
170	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
171	Influence of climatic factors on silver fir xylogenesis along the Italian Peninsula. IAWA Journal, 2019, 40, 259-S3.	2.7	13
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