Carlo Urbinati

List of Publications by Year
in descending order

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41 papers	2,461 citations	279798 23 h-index	276875 41 g-index
46 all docs	46 docs citations	46 times ranked	2855 citing authors

#	Article	IF	Citations
1	AGE-DEPENDENT TREE-RING GROWTH RESPONSES TO CLIMATE IN LARIX DECIDUA AND PINUS CEMBRA. Ecology, 2004, 85, 730-740.	3.2	319
2	Site- and species-specific responses of forest growth to climate across the European continent. Global Ecology and Biogeography, 2013, 22, 706-717.	5.8	297
3	Daily weather response of balsam fir (Abies balsamea (L.) Mill.) stem radius increment from dendrometer analysis in the boreal forests of Quï¿½bec (Canada). Trees - Structure and Function, 2003, 17, 477-484.	1.9	224
4	Longâ€term change in the sensitivity of treeâ€ring growth to climate forcing in Larix decidua. New Phytologist, 2006, 170, 861-872.	7.3	193
5	Testing for treeâ€ring divergence in the European Alps. Global Change Biology, 2008, 14, 2443-2453.	9.5	141
6	Distinct effects of climate warming on populations of silver fir (Abies alba) across Europe. Journal of Biogeography, 2015, 42, 1150-1162.	3.0	140
7	Tree water relations and climatic variations at the alpine timberline: seasonal changes of sap flux and xylem water potential in Larix decidua Miller, Picea abies (L.) Karst. and Pinus cembra L. Annales Des Sciences ForestiÃ¨res, 1998, 55, 159-172.	1.2	99
8	Three centuries of insect outbreaks across the European Alps. New Phytologist, 2009, 182, 929-941.	7.3	97
9	Regional variability of climateâ€“growth relationships in Pinus cembra high elevation forests in the Alps. Journal of Ecology, 2007, 95, 1072-1083.	4.0	96
10	Contrasting tree-ring growth to climate responses of Abies alba toward the southern limit of its distribution area. Oikos, 2010, 119, 1515-1525.	2.7	87
11	Millennium-long summer temperature variations in the European Alps as reconstructed from tree rings. Climate of the Past, 2010, 6, 379-400.	3.4	72
12	500 years of regional forest growth variability and links to climatic extreme events in Europe. Environmental Research Letters, 2012, 7, 045705.	5.2	61
13	Spatial analysis of structural and treeâ€ring related parameters in a timberline forest in the Italian Alps. Journal of Vegetation Science, 2001, 12, 643-652.	2.2	51
14	The â€œblue ringâ€• anatomy and formation hypothesis of a new tree-ring anomaly in conifers. Trees - Structure and Function, 2015, 29, 613-620.	1.9	51
15	Forest Spectral Recovery and Regeneration Dynamics in Stand-Replacing Wildfires of Central Apennines Derived from Landsat Time Series. Remote Sensing, 2019, 11, 308.	4.0	51
16	Unexpected scenarios from Mediterranean refugial areas: disentangling complex demographic dynamics along the Apennine distribution of silver fir. Journal of Biogeography, 2017, 44, 1547-1558.	3.0	38
17	Contrasting land use legacy effects on forest landscape dynamics in the Italian Alps and the Apennines. Landscape Ecology, 2020, 35, 2679-2694.	4.2	34
18	70 Years of Land Use/Land Cover Changes in the Apennines (Italy): A Meta-Analysis. Forests, 2018, 9, 551.	2.1	32

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19	Sex-related spatial segregation along environmental gradients in the dioecious conifer, Taxus baccata. Forest Ecology and Management, 2015, 358, 122-129.	3.2	29
20	Patterns and drivers of forest landscape change in the Apennines range, Italy. Regional Environmental Change, 2019, 19, 1973-1985.	2.9	29
21	Effects of natural and anthropogenic drivers on landâ€cover change and treeline dynamics in the Apennines (Italy). Journal of Vegetation Science, 2018, 29, 189-199.	2.2	28
22	Pine recolonization dynamics in Mediterranean human-disturbed treeline ecotones. Forest Ecology and Management, 2019, 435, 28-37.	3.2	28
23	Functional Relationships of Wood Anatomical Traits in Norway Spruce. Frontiers in Plant Science, 2020, 11, 683.	3.6	26
24	Recent expansion of Pinus nigra Arn. above the timberline in the central Apennines, Italy. Annals of Forest Science, 2012, 69, 509-517.	2.0	24
25	Disentangling the effects of spatial proximity and genetic similarity on individual growth performances in Norway spruce natural populations. Science of the Total Environment, 2019, 650, 493-504.	8.0	23
26	High-altitude forest sensitivity to global warming: results from long-term and short-term analyses in the eastern italian alps. , 1998, , 171-189.		22
27	Human interactions with forest landscape in the Khumbu valley, Nepal. Anthropocene, 2014, 6, 39-47.	3.3	20
28	Climateâ€“growth relationships of silver fir (Abies alba Mill.) in marginal populations of Central Italy. Dendrochronologia, 2014, 32, 181-190.	2.2	19
29	Structural attributes, tree-ring growth and climate sensitivity of Pinus nigra Arn. at high altitude: common patterns of a possible treeline shift in the central Apennines (Italy). Dendrochronologia, 2014, 32, 210-219.	2.2	19
30	Pinus nigra anthropogenic treelines in the central Apennines show common pattern of tree recruitment. European Journal of Forest Research, 2016, 135, 1119-1130.	2.5	17
31	Deconstructing human-shaped treelines: Microsite topography and distance to seed source control Pinus nigra colonization of treeless areas in the Italian Apennines. Forest Ecology and Management, 2017, 406, 37-45.	3.2	17
32	Structural and ecological characteristics of mixed broadleaved old-growth forest(Biogradska Gora -) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 428-438.	2.1	12
33	Comparing Mobile Laser Scanner and manual measurements for dendrometric variables estimation in a black pine (Pinus nigra Arn.) plantation. Computers and Electronics in Agriculture, 2022, 198, 107069.	7.7	12
34	Individual reproductive success in Norway spruce natural populations depends on growth rate, age and sensitivity to temperature. Heredity, 2020, 124, 685-698.	2.6	10
35	Intra-annual density fluctuations (IADFs) inPinus nigra(J. F. Arnold) at high-elevation in the central Apennines (Italy). Trees - Structure and Function, 2020, 34, 771-781.	1.9	9
36	Near infrared spectroscopy for assessing mechanical properties of Castanea sativa wood samples. Journal of Agricultural Engineering, 2019, 50, 191-197.	1.5	8

#	Article	IF	Citations
37	Potential and limitation of combining terrestrial and marine growth records from Iceland. Global and Planetary Change, 2017, 155, 213-224.	3.5	5
38	Are young trees suitable for climate-growth analysis? A trial with Pinus nigra in the central Apennines treeline. Dendrochronologia, 2020, 62, 125720.	2.2	5
39	AGE DETERMINATION AND TREE-RING GROWTH DYNAMICS IN OLD TREES OF PYRUS COMMUNIS â€˜ANGELICAâ€™. Acta Horticulturae, 2005, , 623-629.	0.2	4
40	Combining Participatory Mapping and Geospatial Analysis Techniques to Assess Wildfire Risk in Rural North Vietnam. Environmental Management, 2022, 69, 466.	2.7	2
41	Forests and Soils: Sustainable Products and Ecosystem Services for Human Well-Being. , 2020, , 617-630.		0