Giorgio Matteucci

List of Publications by Year
in descending order

153 papers	18,711 citations	44069 48 h-index	12597 132 g-index
173 all docs	173 docs citations	173 times ranked	17545 citing authors

#	Article	IF	Citations
1	Europe-wide reduction in primary productivity caused by the heat and drought in 2003. Nature, 2005, 437, 529-533.	27.8	3,245
2	On the separation of net ecosystem exchange into assimilation and ecosystem respiration: review and improved algorithm. Global Change Biology, 2005, 11, 1424-1439.	9.5	2,778
3	Respiration as the main determinant of carbon balance in European forests. Nature, 2000, 404, 861-865.	27.8	1,438
4	Reduction of forest soil respiration in response to nitrogen deposition. Nature Geoscience, 2010, 3, 315-322.	12.9	1,254
5	Environmental controls over carbon dioxide and water vapor exchange of terrestrial vegetation. Agricultural and Forest Meteorology, 2002, 113, 97-120.	4.8	1,133
6	CO_2 balance of boreal, temperate, and tropical forests derived from a global database. Global Change Biology, 2007, 13, 2509-2537.	9.5	863
7	Productivity overshadows temperature in determining soil and ecosystem respiration across European forests. Global Change Biology, 2001, 7, 269-278.	9.5	843
8	Reduction of ecosystem productivity and respiration during the European summer 2003 climate anomaly: a joint flux tower, remote sensing and modelling analysis. Global Change Biology, 2007, 13, 634-651.	9.5	486
9	In situ estimation of net CO2 assimilation, photosynthetic electron flow and photorespiration in Turkey oak (Q. cerris L.) leaves: diurnal cycles under different levels of water supply. Plant, Cell and Environment, 1995, 18, 631-640.	5.7	421
10	Tree mineral nutrition is deteriorating in Europe. Global Change Biology, 2015, 21, 418-430.	9.5	281
11	Intercomparison of MODIS albedo retrievals and in situ measurements across the global FLUXNET network. Remote Sensing of Environment, 2012, 121, 323-334.	11.0	259
12	The European carbon balance. Part 3: forests. Global Change Biology, 2010, 16, 1429-1450.	9.5	247
13	Seasonal net carbon dioxide exchange of a beech forest with the atmosphere. Global Change Biology, 1996, 2, 199-207.	9.5	237
14	Quality control of CarboEurope flux data â€" Part 1: Coupling footprint analyses with flux data quality assessment to evaluate sites in forest ecosystems. Biogeosciences, 2008, 5, 433-450.	3.3	192
15	Estimation of leaf area index with the Li-Cor LAI 2000 in deciduous forests. Forest Ecology and Management, 1998, 105, 55-65.	3.2	186
16	Assessment of climate change effects on mountain ecosystems through a cross-site analysis in the Alps and Apennines. Science of the Total Environment, 2018, 624, 1429-1442.	8.0	169
17	Comparisons of Î´13C of photosynthetic products and ecosystem respiratory CO2 and their responses to seasonal climate variability. Oecologia, 2004, 140, 340-351.	2.0	151
18	Climate control of terrestrial carbon exchange across biomes and continents. Environmental Research Letters, 2010, 5, 034007.	5.2	137

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19	Evaluation of six process-based forest growth models using eddy-covariance measurements of CO_2 and H_2O fluxes at six forest sites in Europe. Global Change Biology, 2002, 8, 213-230.	9.5	135
20	Functional traits and local environment predict vegetation responses to disturbance: a pan‐European multi‐site experiment. Journal of Ecology, 2011, 99, 777-787.	4.0	125
21	Thermal optimality of net ecosystem exchange of carbon dioxide and underlying mechanisms. New Phytologist, 2012, 194, 775-783.	7.3	111
22	The three major axes of terrestrial ecosystem function. Nature, 2021, 598, 468-472.	27.8	99
23	Long-term exposure to elevated [CO2] in a natural Quercus ilex L. community: net photosynthesis and photochemical efficiency of PSII at different levels of water stress. Plant, Cell and Environment, 1996, 19, 643-654.	5.7	98
24	Modelling carbon budget of Mediterranean forests using ground and remote sensing measurements. Agricultural and Forest Meteorology, 2005, 135, 22-34.	4.8	97
25	Global parameterization and validation of a two‐leaf light use efficiency model for predicting gross primary production across FLUXNET sites. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1045-1072.	3.0	93
26	An incentive mechanism for reducing emissions from conversion of intact and non-intact forests. Climatic Change, 2007, 83, 477-493.	3.6	89
27	Seasonal and interannual patterns of carbon and water fluxes of a poplar plantation under peculiar eco-climatic conditions. Agricultural and Forest Meteorology, 2009, 149, 1460-1476.	4.8	89
28	Concentrations and fluxes of biogenic volatile organic compounds above a Mediterranean macchia ecosystem in western Italy. Biogeosciences, 2009, 6, 1655-1670.	3.3	79
29	Effect of calibration set size on prediction at local scale of soil carbon by Vis-NIR spectroscopy. Geoderma, 2017, 288, 175-183.	5.1	79
30	Ground-Based Optical Measurements at European Flux Sites: A Review of Methods, Instruments and Current Controversies. Sensors, 2011, 11, 7954-7981.	3.8	76
31	On the tracks of Nitrogen deposition effects on temperate forests at their southern European range – an observational study from Italy. Global Change Biology, 2014, 20, 3423-3438.	9.5	72
32	Soil carbon stock in relation to soil properties and landscape position in a forest ecosystem of southern Italy (Calabria region). Catena, 2016, 144, 23-33.	5.0	71
33	Simultaneous measurements of above and below canopy ozone fluxes help partitioning ozone deposition between its various sinks in a Mediterranean Oak Forest. Agricultural and Forest Meteorology, 2014, 198-199, 181-191.	4.8	68
34	Ground-Based Optical Measurements at European Flux Sites: A Review of Methods, Instruments and Current Controversies. Sensors, 2011, 11, 7954-7981.	3.8	67
35	Plant respiration: Controlled by photosynthesis or biomass?. Global Change Biology, 2020, 26, 1739-1753.	9.5	66
36	Operational monitoring of daily evapotranspiration by the combination of MODIS NDVI and ground meteorological data: Application and evaluation in Central Italy. Remote Sensing of Environment, 2014, 152, 279-290.	11.0	65

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37	Seasonal and inter-annual dynamics of growth, non-structural carbohydrates and C stable isotopes in a Mediterranean beech forest. Tree Physiology, 2013, 33, 730-742.	3.1	63
38	Seasonal hysteresis of net ecosystem exchange in response to temperature change: patterns and causes. Global Change Biology, 2011, 17, 3102-3114.	9.5	62
39	Atmospheric deposition, CO2, and change in the land carbon sink. Scientific Reports, 2017, 7, 9632.	3.3	62
40	Toward a consistency cross-check of eddy covariance flux-based and biometric estimates of ecosystem carbon balance. Global Biogeochemical Cycles, 2009, 23, .	4.9	61
41	Pan-European delta13C values of air and organic matter from forest ecosystems. Global Change Biology, 2005, 11, 1065-1093.	9.5	60
42	Leaf morphology and chemistry in Fagus sylvatica (beech) trees as affected by site factors and ozone: results from CONECOFOR permanent monitoring plots in Italy. Tree Physiology, 2005, 25, 211-219.	3.1	60
43	Remote sensing of chlorophyll a fluorescence of vegetation canopies: 2. Physiological significance of fluorescence signal in response to environmental stresses. Remote Sensing of Environment, 1994, 47, 29-35.	11.0	58
44	Forest production efficiency increases with growth temperature. Nature Communications, 2020, 11, 5322.	12.8	57
45	Thinning Can Reduce Losses in Carbon Use Efficiency and Carbon Stocks in Managed Forests Under Warmer Climate. Journal of Advances in Modeling Earth Systems, 2018, 10, 2427-2452.	3.8	56
46	Investigating the European beech (<i>Fagus sylvatica</i>L.) leaf characteristics along the vertical canopy profile: leaf structure, photosynthetic capacity, light energy dissipation and photoprotection mechanisms. Tree Physiology, 2016, 36, 1060-1076.	3.1	55
47	Towards long-term standardised carbon and greenhouse gas observations for monitoring Europe's terrestrial ecosystems: a review. International Agrophysics, 2018, 32, 439-455.	1.7	55
48	Testing of models of stomatal ozone fluxes with field measurements in a mixed Mediterranean forest. Atmospheric Environment, 2013, 67, 242-251.	4.1	54
49	Assessing spring frost effects on beech forests in Central Apennines from remotely-sensed data. Agricultural and Forest Meteorology, 2018, 248, 240-250.	4.8	52
50	Using laboratory Vis-NIR spectroscopy for monitoring some forest soil properties. Journal of Soils and Sediments, 2018, 18, 1009-1019.	3.0	49
51	Interactions Between the Carbon and Nitrogen Cycles and the Role of Biodiversity: A Synopsis of a Study Along a North-South Transect Through Europe. Ecological Studies, 2000, , 468-491.	1.2	48
52	A process-based model to simulate growth in forests with complex structure: Evaluation and use of 3D-CMCC Forest Ecosystem Model in a deciduous forest in Central Italy. Ecological Modelling, 2014, 272, 362-378.	2.5	48
53	Tree Biomass, Growth and Nutrient Pools. Ecological Studies, 2000, , 49-62.	1.2	47
54	Forest humus forms as potential indicators of soil carbon storage in Mediterranean environments. Biology and Fertility of Soils, 2011, 47, 31-40.	4.3	47

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55	CLIMATE CHANGE: Making Deforestation Pay Under the Kyoto Protocol?. Science, 2003, 299, 1669-1669.	12.6	42
56	Generalisation within specialization: inter-individual diet variation in the only specialized salamander in the world. Scientific Reports, 2015, 5, 13260.	3.3	42
57	Modeling Gross Primary Production of Agro-Forestry Ecosystems by Assimilation of Satellite-Derived Information in a Process-Based Model. Sensors, 2009, 9, 922-942.	3.8	41
58	A guild-based approach to assessing the influence of beech forest structure on bird communities. Forest Ecology and Management, 2015, 356, 216-223.	3.2	41
59	Soil C:N stoichiometry controls carbon sink partitioning between above-ground tree biomass and soil organic matter in high fertility forests. IForest, 2015, 8, 195-206.	1.4	40
60	Intercomparison of clumping index estimates from POLDER, MODIS, and MISR satellite data over reference sites. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 101, 47-56.	11.1	39
61	The sensitivity of the forest carbon budget shifts across processes along with stand development and climate change. Ecological Applications, 2019, 29, e01837.	3.8	39
62	Soil Respiration in Beech and Spruce Forests in Europe: Trends, Controlling Factors, Annual Budgets and Implications for the Ecosystem Carbon Balance. Ecological Studies, 2000, , 217-236.	1.2	37
63	Effect of environmental variables and stand structure on ecosystem respiration components in a Mediterranean beech forest. Tree Physiology, 2013, 33, 960-972.	3.1	36
64	Validation of 3D-CMCC Forest Ecosystem Model (v.5.1) against eddy covariance data for 10 European forest sites. Geoscientific Model Development, 2016, 9, 479-504.	3.6	36
65	Winter's bite: beech trees survive complete defoliation due to spring late‐frost damage by mobilizing old C reserves. New Phytologist, 2019, 224, 625-631.	7.3	36
66	Ancillary vegetation measurements at ICOS ecosystem stations. International Agrophysics, 2018, 32, 645-664.	1.7	35
67	Allometric biomass and carbon factors database. IForest, 2008, 1, 107-113.	1.4	35
68	Do atmospheric CO_2 concentration increase, climate and forest management affect iWUE of common beech? Evidences from carbon isotope analyses in tree rings. Tree Physiology, 2018, 38, 1110-1126.	3.1	34
69	Visible and near infrared spectroscopy for predicting texture in forest soil: an application in southern Italy. IForest, 2015, 8, 339-347.	1.4	34
70	The PROFOUND Database for evaluating vegetation models and simulating climate impacts on European forests. Earth System Science Data, 2020, 12, 1295-1320.	9.9	33
71	Thermal adaptation of net ecosystem exchange. Biogeosciences, 2011, 8, 1453-1463.	3.3	30
72	Frost and drought: Effects of extreme weather events on stem carbon dynamics in a Mediterranean beech forest. Plant, Cell and Environment, 2020, 43, 2365-2379.	5.7	30

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73	Unravelling resilience mechanisms in forests: role of non-structural carbohydrates in responding to extreme weather events. Tree Physiology, 2021, 41, 1808-1818.	3.1	30
74	Predicting changes in soil organic carbon in mediterranean and alpine forests during the Kyoto Protocol commitment periods using the CENTURY model. Soil Use and Management, 2010, 26, 475-484.	4.9	29
75	Greenhouse gas balance of cropland conversion to bioenergy poplar short-rotation coppice. Biogeosciences, 2016, 13, 95-113.	3.3	29
76	Antioxidants and photosynthesis in the leaves of Triticum durum desf. Seedlings acclimated to non-stressing high temperature. Journal of Plant Physiology, 1997, 150, 381-387.	3.5	28
77	Application of the 3-PGS model to assess carbon accumulation in forest ecosystems at a regional level. Canadian Journal of Forest Research, 2009, 39, 1647-1661.	1.7	28
78	Availability, accessibility, quality and comparability of monitoring data for European forests for use in air pollution and climate change science. IForest, 2011, 4, 162-166.	1.4	28
79	Model-based assessment of ecological adaptations of three forest tree species growing in Italy and impact on carbon and water balance at national scale under current and future climate scenarios. IForest, 2012, 5, 235-246.	1.4	28
80	Estimating daily forest carbon fluxes using a combination of ground and remotely sensed data. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 266-279.	3.0	26
81	Forest certification map of Europe. IForest, 2018, 11, 526-533.	1.4	25
82	Carbon balance gradient in European forests: should we doubt â€˜surprisingâ€™ results? A reply to Piovesan & Adams. Journal of Vegetation Science, 2001, 12, 145-150.	2.2	24
83	Towards a transnational system of supersites for forest monitoring and research in Europe - an overview on present state and future recommendations. IForest, 2011, 4, 167-171.	1.4	23
84	Root Biomechanical Traits in a Montane Mediterranean Forest Watershed: Variations with Species Diversity and Soil Depth. Forests, 2019, 10, 341.	2.1	23
85	Build-up of interference patterns with single electrons. European Journal of Physics, 2013, 34, 511-517.	0.6	22
86	Combining stable isotope and carbohydrate analyses in phloem sap and fine roots to study seasonal changes of sourceâ€“sink relationships in a Mediterranean beech forest. Tree Physiology, 2015, 35, 829-839.	3.1	22
87	Conservation of salamanders in managed forests: Methods and costs of monitoring abundance and habitat selection. Forest Ecology and Management, 2017, 400, 12-18.	3.2	21
88	Carbonâ€“nitrogen interactions in European forests and semi-natural vegetation â€“ Part 1: Fluxes and budgets of carbon, nitrogen and greenhouse gases from ecosystem monitoring and modelling. Biogeosciences, 2020, 17, 1583-1620.	3.3	21
89	Electron wavelike behavior: A historical and experimental introduction. American Journal of Physics, 1990, 58, 1143-1147.	0.7	20
90	Carbon assimilation, nitrogen, and photochemical efficiency of different Himalayan tree species along an altitudinal gradient. Photosynthetica, 2004, 42, 597-605.	1.7	20

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91	What goes in does not come out: different non-lethal dietary methods give contradictory interpretation of prey selectivity in amphibians. Amphibia - Reptilia, 2014, 35, 255-262.	0.5	20
92	Short-term natural $\delta^{13}C$ and $\delta^{18}O$ variations in pools and fluxes in a beech forest: the transfer of isotopic signal from recent photosynthates to soil respired CO_2. Biogeosciences, 2011, 8, 2833-2846.	3.3	18
93	Which climate change path are we following? Bad news from Scots pine. PLoS ONE, 2017, 12, e0189468.	2.5	18
94	Plant invasions in Italy: An integrative approach using the European LifeWatch infrastructure database. Ecological Indicators, 2018, 91, 182-188.	6.3	18
95	Carbon–nitrogen interactions in European forests and semi-natural vegetation – Part 2: Untangling climatic, edaphic, management and nitrogen deposition effects on carbon sequestration potentials. Biogeosciences, 2020, 17, 1621-1654.	3.3	18
96	Can decision rules simulate carbon allocation for years with contrasting and extreme weather conditions? A case study for three temperate beech forests. Ecological Modelling, 2013, 263, 42-55.	2.5	17
97	Seasonality and microhabitat selection in a forest-dwelling salamander. Die Naturwissenschaften, 2017, 104, 80.	1.6	17
98	Validation of PROBA-V GEOV1 and MODIS C5 & C6 fAPAR Products in a Deciduous Beech Forest Site in Italy. Remote Sensing, 2017, 9, 126.	4.0	17
99	Quantifying deforestation and forest degradation with thermal response. Science of the Total Environment, 2017, 607-608, 1286-1292.	8.0	16
100	The hidden land conservation benefits of olive–based (<i>Olea europaea</i> L.) landscapes: An agroforestry investigation in the southern Mediterranean (Calabria region, Italy). Land Degradation and Development, 2020, 31, 801-815.	3.9	16
101	Interplay between soil formation and geomorphic processes along a soil catena in a Mediterranean mountain landscape: an integrated pedological and geophysical approach. Environmental Earth Sciences, 2020, 79, 1.	2.7	16
102	Mapping Landslide Prediction through a GIS-Based Model: A Case Study in a Catchment in Southern Italy. Geosciences (Switzerland), 2020, 10, 309.	2.2	16
103	Simulating tree growth response to climate change in structurally diverse oak and beech forests. Science of the Total Environment, 2022, 806, 150422.	8.0	15
104	The reliability of a composite biodiversity indicator in predicting bird species richness at different spatial scales. Ecological Indicators, 2016, 71, 627-635.	6.3	14
105	Identifying priority sites for insect conservation in forest ecosystems at high resolution: the potential of LiDAR data. Journal of Insect Conservation, 2019, 23, 689-698.	1.4	14
106	Promoting the potential of flux-measuring stations in urban parks: An innovative case study in Naples, Italy. Agricultural and Forest Meteorology, 2017, 233, 153-162.	4.8	13
107	Research questions to facilitate the future development of European long-term ecosystem research infrastructures: A horizon scanning exercise. Journal of Environmental Management, 2019, 250, 109479.	7.8	13
108	Evergreen Mediterranean Forests. Carbon and Water Fluxes, Balances, Ecological and Ecophysiological Determinants. Ecological Studies, 2003, , 125-149.	1.2	13

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109	Organic carbon and total nitrogen topsoil stocks, biogenetic natural reserve â€˜Marchesaleâ€™ (Calabria) Tj ETQq1 1 0.784314 rgBT	2.0	12
110	Habitat trees and salamanders: Conservation and management implications in temperate forests. Forest Ecology and Management, 2017, 384, 17-25.	3.2	12
111	Are optical indices good proxies of seasonal changes in carbon fluxes and stress-related physiological status in a beech forest?. Science of the Total Environment, 2018, 612, 1030-1041.	8.0	12
112	Dendrochronological analysis and growth patterns of Polylepis reticulata (Rosaceae) in the Ecuadorian Andes. IAWA Journal, 2019, 40, 331-S5.	2.7	12
113	Patchiness of forest landscape can predict species distribution better than abundance: the case of a forest-dwelling passerine, the short-toed treecreeper, in central Italy. PeerJ, 2016, 4, e2398.	2.0	12
114	Survey Effort Requirements for Bird Community Assessment in Forest Habitats. Acta Ornithologica, 2017, 52, 1-9.	0.5	11
115	Quantum Interference without Wave-Particle Duality. Journal of Modern Physics, 2016, 07, 375-389.	0.6	11
116	Towards the coâ€ordination of terrestrial ecosystem protocols across European research infrastructures. Ecology and Evolution, 2017, 7, 3967-3975.	1.9	10
117	Small-Scale Forest Structure Influences Spatial Variability of Belowground Carbon Fluxes in a Mature Mediterranean Beech Forest. Forests, 2020, 11, 255.	2.1	10
118	A Model-Based Approach for the Estimation of Carbon Sinks in European Forests. Ecological Studies, 2003, , 179-206.	1.2	10
119	Coupling water sources and carbon metabolism of natural vegetation at integrated time and space scales. Agricultural and Forest Meteorology, 1995, 73, 297-306.	4.8	9
120	Ecophysiological Responses to Rainfall Variability in Grassland and Forests Along a Latitudinal Gradient in Italy. Frontiers in Forests and Global Change, 2019, 2, .	2.3	9
121	Deciduous Forests: Carbon and Water Fluxes, Balances and Ecophysiological Determinants. Ecological Studies, 2003, , 55-70.	1.2	9
122	Biometric assessment of aboveground carbon pools and fluxes in three European forests by Randomized Branch Sampling. Forest Ecology and Management, 2012, 267, 172-181.	3.2	8
123	Carbon, Water and Energy Fluxes of Terrestrial Ecosystems in Italy. Environmental Science and Engineering, 2015, , 11-45.	0.2	8
124	On the leaf inclination angle distribution as a plant trait for the most abundant broadleaf tree species in Europe. Agricultural and Forest Meteorology, 2022, 323, 109030.	4.8	8
125	Testing the applicability of BIOME-BGC to simulate beech gross primary production in Europe using a new continental weather dataset. Annals of Forest Science, 2016, 73, 713-727.	2.0	7
126	Winter respiratory C losses provide explanatory power for net ecosystem productivity. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 243-260.	3.0	7

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127	Results of a long-term study on an experimental watershed in southern Italy. Forum Geografic, 2016, XV, 55-65.	0.2	7
128	Effects of simulated nitrogen deposition on the nutritional and physiological status of beech forests at two climatic contrasting sites in Italy. Science of the Total Environment, 2022, 834, 155362.	8.0	7
129	From the experience of LIFE+ ManFor C.BD to the Manual of Best Practices in Sustainable Forest Management. Italian Journal of Agronomy, 2016, 11, 1-175.	1.0	6
130	Interference of Light and of Material Particles. Advances in Imaging and Electron Physics, 2016, 197, 1-43.	0.2	6
131	New Physical Principle for Interference of Light and Material Particles. Advances in Imaging and Electron Physics, 2017, , 1-37.	0.2	6
132	Forest management and conservation of an elusive amphibian in the Alps: Habitat selection by the Golden Alpine Salamander reveals the importance of fine woody debris. Forest Ecology and Management, 2018, 424, 338-344.	3.2	6
133	Carbon Metabolism and Plant Growth under Elevated CO2 in a Natural Quercus ilex L. â€œMacchiaâ€• Stand. , 1996, , 209-230.		6
134	Ecosytem Services: A Rapid Assessment Method Tested at 35 Sites of the LTER-Europe Network. Ekologia, 2014, 33, .	0.8	6
135	Energy, water and carbon exchanges in managed forest ecosystems: description, sensitivity analysis and evaluation of the INRAE GO+ model, version 3.0. Geoscientific Model Development, 2020, 13, 5973-6009.	3.6	6
136	Water Balance and Forest Productivity in Mediterranean Mountain Environments. Italian Journal of Agronomy, 2010, 5, 217.	1.0	5
137	Characterization of *Pinus nigra* var. *laricio* [Maire] bark extracts at the analytical and pilot scale. Holzforschung, 2019, 73, 353-361.	1.9	5
138	Model Analysis of Carbon and Nitrogen Cycling in Picea and Fagus Forests. Ecological Studies, 2000, , 419-467.	1.2	5
139	Conclusions: The Role of Canopy Flux Measurements in Global C-Cycle Research. Ecological Studies, 2003, , 255-266.	1.2	5
140	Climate Change Impacts on Forests and Forest Products in the Mediterranean Area. Advances in Global Change Research, 2013, , 71-100.	1.6	4
141	Impact of precipitation, air temperature and abiotic emissions on gross primary production in Mediterranean ecosystems in Europe. European Journal of Forest Research, 2020, 139, 111-126.	2.5	4
142	The Carbon Sink Strength of Forests in Europe: a Synthesis of Results. Ecological Studies, 2003, , 225-232.	1.2	4
143	Short-time effect of harvesting methods on soil respiration dynamics in a beech forest in southern Mediterranean Italy. IForest, 2017, 10, 645-651.	1.4	4
144	Sampling and collecting foliage elements for the determination of the foliar nutrients in ICOS ecosystem stations. International Agrophysics, 2018, 32, 665-676.	1.7	4

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145	A Midsummer Nightâ€™s Diet: Snapshot on Trophic Strategy of the Alpine Salamander, Salamandra atra. Diversity, 2020, 12, 202.	1.7	3
146	Monitoring soil organic carbon content using Vis-NIR spectroscopy: A case study in southern Italy. Rendiconti Online Societa Geologica Italiana, 0, 42, 38-41.	0.3	2
147	Carbon Balance Gradient in European Forests: Should We Doubt 'Surprising' Results? A Reply to Piovesan & Adams. Journal of Vegetation Science, 2001, 12, 145.	2.2	1
148	Basic concepts and research activities at Italian forest sites of the Long Term Ecological Research network. IForest, 2011, 4, 233-241.	1.4	1
149	Measuring CO2 exchange at canopy scale: the eddy covariance technique. , 0, , 206-218.		1
150	Geometric model for interference and diffraction with waves and particles. Revista De La Academia Colombiana De Ciencias Exactas, Fisicas Y Naturales, 2019, 43, 177.	0.2	1
151	Frost and drought: Effects of extreme weather events on stem carbon dynamics in a Mediterranean beech forest. Plant, Cell and Environment, 2020, 43, i.	5.7	0
152	Carbon Absorption by Temperate Forest Ecosystems: Problems and Responses to a Changing Environment. Forestry Sciences, 1998, , 119-127.	0.4	0
153	Biogenic Volatile Organic Compound Emissions. Environmental Science and Engineering, 2015, , 47-57.	0.2	0