

Giorgio Matteucci

List of Publications by Year in descending order

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Version: 2024-02-01

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	Simulating tree growth response to climate change in structurally diverse oak and beech forests. <i>Science of the Total Environment</i> , 2022, 806, 150422.	8.0	15
2	Effects of simulated nitrogen deposition on the nutritional and physiological status of beech forests at two climatic contrasting sites in Italy. <i>Science of the Total Environment</i> , 2022, 834, 155362.	8.0	7
3	On the leaf inclination angle distribution as a plant trait for the most abundant broadleaf tree species in Europe. <i>Agricultural and Forest Meteorology</i> , 2022, 323, 109030.	4.8	8
4	Unravelling resilience mechanisms in forests: role of non-structural carbohydrates in responding to extreme weather events. <i>Tree Physiology</i> , 2021, 41, 1808-1818.	3.1	30
5	The three major axes of terrestrial ecosystem function. <i>Nature</i> , 2021, 598, 468-472.	27.8	99
6	Plant respiration: Controlled by photosynthesis or biomass?. <i>Global Change Biology</i> , 2020, 26, 1739-1753.	9.5	66
7	The hidden land conservation benefits of olive-based (<i>Olea europaea</i> L.) landscapes: An agroforestry investigation in the southern Mediterranean (Calabria region, Italy). <i>Land Degradation and Development</i> , 2020, 31, 801-815.	3.9	16
8	Interplay between soil formation and geomorphic processes along a soil catena in a Mediterranean mountain landscape: an integrated pedological and geophysical approach. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	2.7	16
9	Impact of precipitation, air temperature and abiotic emissions on gross primary production in Mediterranean ecosystems in Europe. <i>European Journal of Forest Research</i> , 2020, 139, 111-126.	2.5	4
10	Forest production efficiency increases with growth temperature. <i>Nature Communications</i> , 2020, 11, 5322.	12.8	57
11	Frost and drought: Effects of extreme weather events on stem carbon dynamics in a Mediterranean beech forest. <i>Plant, Cell and Environment</i> , 2020, 43, i.	5.7	0
12	Frost and drought: Effects of extreme weather events on stem carbon dynamics in a Mediterranean beech forest. <i>Plant, Cell and Environment</i> , 2020, 43, 2365-2379.	5.7	30
13	Mapping Landslide Prediction through a GIS-Based Model: A Case Study in a Catchment in Southern Italy. <i>Geosciences (Switzerland)</i> , 2020, 10, 309.	2.2	16
14	A Midsummer Night's Diet: Snapshot on Trophic Strategy of the Alpine Salamander, <i>Salamandra atra</i> . <i>Diversity</i> , 2020, 12, 202.	1.7	3
15	Small-Scale Forest Structure Influences Spatial Variability of Belowground Carbon Fluxes in a Mature Mediterranean Beech Forest. <i>Forests</i> , 2020, 11, 255.	2.1	10
16	Carbon-nitrogen interactions in European forests and semi-natural vegetation – Part 1: Fluxes and budgets of carbon, nitrogen and greenhouse gases from ecosystem monitoring and modelling. <i>Biogeosciences</i> , 2020, 17, 1583-1620.	3.3	21
17	Carbon-nitrogen interactions in European forests and semi-natural vegetation – Part 2: Untangling climatic, edaphic, management and nitrogen deposition effects on carbon sequestration potentials. <i>Biogeosciences</i> , 2020, 17, 1621-1654.	3.3	18
18	The PROFOUND Database for evaluating vegetation models and simulating climate impacts on European forests. <i>Earth System Science Data</i> , 2020, 12, 1295-1320.	9.9	33

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19	Energy, water and carbon exchanges in managed forest ecosystems: description, sensitivity analysis and evaluation of the INRAE GO+ model, version 3.0. <i>Geoscientific Model Development</i> , 2020, 13, 5973-6009.	3.6	6
20	Winter's bite: beech trees survive complete defoliation due to spring late frost damage by mobilizing old C reserves. <i>New Phytologist</i> , 2019, 224, 625-631.	7.3	36
21	Research questions to facilitate the future development of European long-term ecosystem research infrastructures: A horizon scanning exercise. <i>Journal of Environmental Management</i> , 2019, 250, 109479.	7.8	13
22	Ecophysiological Responses to Rainfall Variability in Grassland and Forests Along a Latitudinal Gradient in Italy. <i>Frontiers in Forests and Global Change</i> , 2019, 2, .	2.3	9
23	Identifying priority sites for insect conservation in forest ecosystems at high resolution: the potential of LiDAR data. <i>Journal of Insect Conservation</i> , 2019, 23, 689-698.	1.4	14
24	Root Biomechanical Traits in a Montane Mediterranean Forest Watershed: Variations with Species Diversity and Soil Depth. <i>Forests</i> , 2019, 10, 341.	2.1	23
25	Dendrochronological analysis and growth patterns of <i>Polylepis reticulata</i> (Rosaceae) in the Ecuadorian Andes. <i>IAWA Journal</i> , 2019, 40, 331-S5.	2.7	12
26	Characterization of <i>Pinus nigra</i> var. <i>laricio</i> [Maire] bark extracts at the analytical and pilot scale. <i>Holzforschung</i> , 2019, 73, 353-361.	1.9	5
27	The sensitivity of the forest carbon budget shifts across processes along with stand development and climate change. <i>Ecological Applications</i> , 2019, 29, e01837.	3.8	39
28	Geometric model for interference and diffraction with waves and particles. <i>Revista De La Academia Colombiana De Ciencias Exactas, Fisicas Y Naturales</i> , 2019, 43, 177.	0.2	1
29	Plant invasions in Italy: An integrative approach using the European LifeWatch infrastructure database. <i>Ecological Indicators</i> , 2018, 91, 182-188.	6.3	18
30	Assessment of climate change effects on mountain ecosystems through a cross-site analysis in the Alps and Apennines. <i>Science of the Total Environment</i> , 2018, 624, 1429-1442.	8.0	169
31	Do atmospheric CO ₂ concentration increase, climate and forest management affect iWUE of common beech? Evidences from carbon isotope analyses in tree rings. <i>Tree Physiology</i> , 2018, 38, 1110-1126.	3.1	34
32	Assessing spring frost effects on beech forests in Central Apennines from remotely-sensed data. <i>Agricultural and Forest Meteorology</i> , 2018, 248, 240-250.	4.8	52
33	Are optical indices good proxies of seasonal changes in carbon fluxes and stress-related physiological status in a beech forest?. <i>Science of the Total Environment</i> , 2018, 612, 1030-1041.	8.0	12
34	Using laboratory Vis-NIR spectroscopy for monitoring some forest soil properties. <i>Journal of Soils and Sediments</i> , 2018, 18, 1009-1019.	3.0	49
35	Thinning Can Reduce Losses in Carbon Use Efficiency and Carbon Stocks in Managed Forests Under Warmer Climate. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 2427-2452.	3.8	56
36	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. <i>Forest Ecology and Management</i> , 2018, 424, 338-344.	3.2	6

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37	Towards long-term standardised carbon and greenhouse gas observations for monitoring Europe's terrestrial ecosystems: a review. <i>International Agrophysics</i> , 2018, 32, 439-455.	1.7	55
38	Ancillary vegetation measurements at ICOS ecosystem stations. <i>International Agrophysics</i> , 2018, 32, 645-664.	1.7	35
39	Forest certification map of Europe. <i>IForest</i> , 2018, 11, 526-533.	1.4	25
40	Sampling and collecting foliage elements for the determination of the foliar nutrients in ICOS ecosystem stations. <i>International Agrophysics</i> , 2018, 32, 665-676.	1.7	4
41	Organic carbon and total nitrogen topsoil stocks, biogenetic natural reserve "Marchesale" (Calabria) Tj ETQq1, 1.0.784314 rgBT	2.0	12
42	Towards the coordination of terrestrial ecosystem protocols across European research infrastructures. <i>Ecology and Evolution</i> , 2017, 7, 3967-3975.	1.9	10
43	Promoting the potential of flux-measuring stations in urban parks: An innovative case study in Naples, Italy. <i>Agricultural and Forest Meteorology</i> , 2017, 233, 153-162.	4.8	13
44	Conservation of salamanders in managed forests: Methods and costs of monitoring abundance and habitat selection. <i>Forest Ecology and Management</i> , 2017, 400, 12-18.	3.2	21
45	Winter respiratory C losses provide explanatory power for net ecosystem productivity. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 243-260.	3.0	7
46	Seasonality and microhabitat selection in a forest-dwelling salamander. <i>Die Naturwissenschaften</i> , 2017, 104, 80.	1.6	17
47	Atmospheric deposition, CO ₂ , and change in the land carbon sink. <i>Scientific Reports</i> , 2017, 7, 9632.	3.3	62
48	Quantifying deforestation and forest degradation with thermal response. <i>Science of the Total Environment</i> , 2017, 607-608, 1286-1292.	8.0	16
49	Survey Effort Requirements for Bird Community Assessment in Forest Habitats. <i>Acta Ornithologica</i> , 2017, 52, 1-9.	0.5	11
50	New Physical Principle for Interference of Light and Material Particles. <i>Advances in Imaging and Electron Physics</i> , 2017, , 1-37.	0.2	6
51	Habitat trees and salamanders: Conservation and management implications in temperate forests. <i>Forest Ecology and Management</i> , 2017, 384, 17-25.	3.2	12
52	Effect of calibration set size on prediction at local scale of soil carbon by Vis-NIR spectroscopy. <i>Geoderma</i> , 2017, 288, 175-183.	5.1	79
53	Validation of PROBA-V GEOV1 and MODIS C5 & C6 fAPAR Products in a Deciduous Beech Forest Site in Italy. <i>Remote Sensing</i> , 2017, 9, 126.	4.0	17
54	Which climate change path are we following? Bad news from Scots pine. <i>PLoS ONE</i> , 2017, 12, e0189468.	2.5	18

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55	Short-time effect of harvesting methods on soil respiration dynamics in a beech forest in southern Mediterranean Italy. <i>IForest</i> , 2017, 10, 645-651.	1.4	4
56	From the experience of LIFE+ ManFor C.BD to the Manual of Best Practices in Sustainable Forest Management. <i>Italian Journal of Agronomy</i> , 2016, 11, 1-175.	1.0	6
57	Greenhouse gas balance of cropland conversion to bioenergy poplar short-rotation coppice. <i>Biogeosciences</i> , 2016, 13, 95-113.	3.3	29
58	Validation of 3D-CMCC Forest Ecosystem Model (v.5.1) against eddy covariance data for 10 European forest sites. <i>Geoscientific Model Development</i> , 2016, 9, 479-504.	3.6	36
59	Investigating the European beech (<i>Fagus sylvatica</i>) leaf characteristics along the vertical canopy profile: leaf structure, photosynthetic capacity, light energy dissipation and photoprotection mechanisms. <i>Tree Physiology</i> , 2016, 36, 1060-1076.	3.1	55
60	Soil carbon stock in relation to soil properties and landscape position in a forest ecosystem of southern Italy (Calabria region). <i>Catena</i> , 2016, 144, 23-33.	5.0	71
61	Interference of Light and of Material Particles. <i>Advances in Imaging and Electron Physics</i> , 2016, 197, 1-43.	0.2	6
62	The reliability of a composite biodiversity indicator in predicting bird species richness at different spatial scales. <i>Ecological Indicators</i> , 2016, 71, 627-635.	6.3	14
63	Testing the applicability of BIOME-BGC to simulate beech gross primary production in Europe using a new continental weather dataset. <i>Annals of Forest Science</i> , 2016, 73, 713-727.	2.0	7
64	Estimating daily forest carbon fluxes using a combination of ground and remotely sensed data. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 266-279.	3.0	26
65	Global parameterization and validation of a two-leaf light use efficiency model for predicting gross primary production across FLUXNET sites. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1045-1072.	3.0	93
66	Quantum Interference without Wave-Particle Duality. <i>Journal of Modern Physics</i> , 2016, 07, 375-389.	0.6	11
67	Results of a long-term study on an experimental watershed in southern Italy. <i>Forum Geografic</i> , 2016, XV, 55-65.	0.2	7
68	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. <i>PeerJ</i> , 2016, 4, e2398.	2.0	12
69	Generalisation within specialization: inter-individual diet variation in the only specialized salamander in the world. <i>Scientific Reports</i> , 2015, 5, 13260.	3.3	42
70	Soil C:N stoichiometry controls carbon sink partitioning between above-ground tree biomass and soil organic matter in high fertility forests. <i>IForest</i> , 2015, 8, 195-206.	1.4	40
71	Tree mineral nutrition is deteriorating in Europe. <i>Global Change Biology</i> , 2015, 21, 418-430.	9.5	281
72	A guild-based approach to assessing the influence of beech forest structure on bird communities. <i>Forest Ecology and Management</i> , 2015, 356, 216-223.	3.2	41

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73	Combining stable isotope and carbohydrate analyses in phloem sap and fine roots to study seasonal changes of source-sink relationships in a Mediterranean beech forest. <i>Tree Physiology</i> , 2015, 35, 829-839.	3.1	22
74	Intercomparison of clumping index estimates from POLDER, MODIS, and MISR satellite data over reference sites. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 101, 47-56.	11.1	39
75	Carbon, Water and Energy Fluxes of Terrestrial Ecosystems in Italy. <i>Environmental Science and Engineering</i> , 2015, , 11-45.	0.2	8
76	Visible and near infrared spectroscopy for predicting texture in forest soil: an application in southern Italy. <i>IForest</i> , 2015, 8, 339-347.	1.4	34
77	Biogenic Volatile Organic Compound Emissions. <i>Environmental Science and Engineering</i> , 2015, , 47-57.	0.2	0
78	On the tracks of Nitrogen deposition effects on temperate forests at their southern European range - an observational study from Italy. <i>Global Change Biology</i> , 2014, 20, 3423-3438.	9.5	72
79	What goes in does not come out: different non-lethal dietary methods give contradictory interpretation of prey selectivity in amphibians. <i>Amphibia - Reptilia</i> , 2014, 35, 255-262.	0.5	20
80	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. <i>Ecological Modelling</i> , 2014, 272, 362-378.	2.5	48
81	Operational monitoring of daily evapotranspiration by the combination of MODIS NDVI and ground meteorological data: Application and evaluation in Central Italy. <i>Remote Sensing of Environment</i> , 2014, 152, 279-290.	11.0	65
82	Simultaneous measurements of above and below canopy ozone fluxes help partitioning ozone deposition between its various sinks in a Mediterranean Oak Forest. <i>Agricultural and Forest Meteorology</i> , 2014, 198-199, 181-191.	4.8	68
83	Ecosystem Services: A Rapid Assessment Method Tested at 35 Sites of the LTER-Europe Network. <i>Ekologia</i> , 2014, 33, .	0.8	6
84	Climate Change Impacts on Forests and Forest Products in the Mediterranean Area. <i>Advances in Global Change Research</i> , 2013, , 71-100.	1.6	4
85	Can decision rules simulate carbon allocation for years with contrasting and extreme weather conditions? A case study for three temperate beech forests. <i>Ecological Modelling</i> , 2013, 263, 42-55.	2.5	17
86	Testing of models of stomatal ozone fluxes with field measurements in a mixed Mediterranean forest. <i>Atmospheric Environment</i> , 2013, 67, 242-251.	4.1	54
87	Build-up of interference patterns with single electrons. <i>European Journal of Physics</i> , 2013, 34, 511-517.	0.6	22
88	Seasonal and inter-annual dynamics of growth, non-structural carbohydrates and C stable isotopes in a Mediterranean beech forest. <i>Tree Physiology</i> , 2013, 33, 730-742.	3.1	63
89	Effect of environmental variables and stand structure on ecosystem respiration components in a Mediterranean beech forest. <i>Tree Physiology</i> , 2013, 33, 960-972.	3.1	36
90	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. <i>IForest</i> , 2012, 5, 235-246.	1.4	28

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91	Intercomparison of MODIS albedo retrievals and in situ measurements across the global FLUXNET network. <i>Remote Sensing of Environment</i> , 2012, 121, 323-334.	11.0	259
92	Thermal optimality of net ecosystem exchange of carbon dioxide and underlying mechanisms. <i>New Phytologist</i> , 2012, 194, 775-783.	7.3	111
93	Biometric assessment of aboveground carbon pools and fluxes in three European forests by Randomized Branch Sampling. <i>Forest Ecology and Management</i> , 2012, 267, 172-181.	3.2	8
94	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 . <i>Biogeosciences</i> , 2011, 8, 2833-2846.	3.3	18
95	Thermal adaptation of net ecosystem exchange. <i>Biogeosciences</i> , 2011, 8, 1453-1463.	3.3	30
96	Ground-Based Optical Measurements at European Flux Sites: A Review of Methods, Instruments and Current Controversies. <i>Sensors</i> , 2011, 11, 7954-7981.	3.8	76
97	Seasonal hysteresis of net ecosystem exchange in response to temperature change: patterns and causes. <i>Global Change Biology</i> , 2011, 17, 3102-3114.	9.5	62
98	Functional traits and local environment predict vegetation responses to disturbance: a pan-European multi-site experiment. <i>Journal of Ecology</i> , 2011, 99, 777-787.	4.0	125
99	Forest humus forms as potential indicators of soil carbon storage in Mediterranean environments. <i>Biology and Fertility of Soils</i> , 2011, 47, 31-40.	4.3	47
100	Basic concepts and research activities at Italian forest sites of the Long Term Ecological Research network. <i>IForest</i> , 2011, 4, 233-241.	1.4	1
101	Ground-Based Optical Measurements at European Flux Sites: A Review of Methods, Instruments and Current Controversies. <i>Sensors</i> , 2011, 11, 7954-7981.	3.8	67
102	Towards a transnational system of supersites for forest monitoring and research in Europe - an overview on present state and future recommendations. <i>IForest</i> , 2011, 4, 167-171.	1.4	23
103	Availability, accessibility, quality and comparability of monitoring data for European forests for use in air pollution and climate change science. <i>IForest</i> , 2011, 4, 162-166.	1.4	28
104	Predicting changes in soil organic carbon in mediterranean and alpine forests during the Kyoto Protocol commitment periods using the CENTURY model. <i>Soil Use and Management</i> , 2010, 26, 475-484.	4.9	29
105	The European carbon balance. Part 3: forests. <i>Global Change Biology</i> , 2010, 16, 1429-1450.	9.5	247
106	Reduction of forest soil respiration in response to nitrogen deposition. <i>Nature Geoscience</i> , 2010, 3, 315-322.	12.9	1,254
107	Water Balance and Forest Productivity in Mediterranean Mountain Environments. <i>Italian Journal of Agronomy</i> , 2010, 5, 217.	1.0	5
108	Climate control of terrestrial carbon exchange across biomes and continents. <i>Environmental Research Letters</i> , 2010, 5, 034007.	5.2	137

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109	Concentrations and fluxes of biogenic volatile organic compounds above a Mediterranean macchia ecosystem in western Italy. <i>Biogeosciences</i> , 2009, 6, 1655-1670.	3.3	79
110	Modeling Gross Primary Production of Agro-Forestry Ecosystems by Assimilation of Satellite-Derived Information in a Process-Based Model. <i>Sensors</i> , 2009, 9, 922-942.	3.8	41
111	Seasonal and interannual patterns of carbon and water fluxes of a poplar plantation under peculiar eco-climatic conditions. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 1460-1476.	4.8	89
112	Toward a consistency cross-check of eddy covariance flux-based and biometric estimates of ecosystem carbon balance. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	4.9	61
113	Application of the 3-PCS model to assess carbon accumulation in forest ecosystems at a regional level. <i>Canadian Journal of Forest Research</i> , 2009, 39, 1647-1661.	1.7	28
114	Quality control of CarboEurope flux data – Part 1: Coupling footprint analyses with flux data quality assessment to evaluate sites in forest ecosystems. <i>Biogeosciences</i> , 2008, 5, 433-450.	3.3	192
115	Allometric biomass and carbon factors database. <i>IForest</i> , 2008, 1, 107-113.	1.4	35
116	Reduction of ecosystem productivity and respiration during the European summer 2003 climate anomaly: a joint flux tower, remote sensing and modelling analysis. <i>Global Change Biology</i> , 2007, 13, 634-651.	9.5	486
117	CO ₂ balance of boreal, temperate, and tropical forests derived from a global database. <i>Global Change Biology</i> , 2007, 13, 2509-2537.	9.5	863
118	An incentive mechanism for reducing emissions from conversion of intact and non-intact forests. <i>Climatic Change</i> , 2007, 83, 477-493.	3.6	89
119	On the separation of net ecosystem exchange into assimilation and ecosystem respiration: review and improved algorithm. <i>Global Change Biology</i> , 2005, 11, 1424-1439.	9.5	2,778
120	Pan-European delta ¹³ C values of air and organic matter from forest ecosystems. <i>Global Change Biology</i> , 2005, 11, 1065-1093.	9.5	60
121	Europe-wide reduction in primary productivity caused by the heat and drought in 2003. <i>Nature</i> , 2005, 437, 529-533.	27.8	3,245
122	Leaf morphology and chemistry in <i>Fagus sylvatica</i> (beech) trees as affected by site factors and ozone: results from CONECOFOR permanent monitoring plots in Italy. <i>Tree Physiology</i> , 2005, 25, 211-219.	3.1	60
123	Modelling carbon budget of Mediterranean forests using ground and remote sensing measurements. <i>Agricultural and Forest Meteorology</i> , 2005, 135, 22-34.	4.8	97
124	Comparisons of δ ¹³ C of photosynthetic products and ecosystem respiratory CO ₂ and their responses to seasonal climate variability. <i>Oecologia</i> , 2004, 140, 340-351.	2.0	151
125	Carbon assimilation, nitrogen, and photochemical efficiency of different Himalayan tree species along an altitudinal gradient. <i>Photosynthetica</i> , 2004, 42, 597-605.	1.7	20
126	CLIMATE CHANGE: Making Deforestation Pay Under the Kyoto Protocol?. <i>Science</i> , 2003, 299, 1669-1669.	12.6	42

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127	The Carbon Sink Strength of Forests in Europe: a Synthesis of Results. <i>Ecological Studies</i> , 2003, , 225-232.	1.2	4
128	Conclusions: The Role of Canopy Flux Measurements in Global C-Cycle Research. <i>Ecological Studies</i> , 2003, , 255-266.	1.2	5
129	Deciduous Forests: Carbon and Water Fluxes, Balances and Ecophysiological Determinants. <i>Ecological Studies</i> , 2003, , 55-70.	1.2	9
130	Evergreen Mediterranean Forests. Carbon and Water Fluxes, Balances, Ecological and Ecophysiological Determinants. <i>Ecological Studies</i> , 2003, , 125-149.	1.2	13
131	A Model-Based Approach for the Estimation of Carbon Sinks in European Forests. <i>Ecological Studies</i> , 2003, , 179-206.	1.2	10
132	Environmental controls over carbon dioxide and water vapor exchange of terrestrial vegetation. <i>Agricultural and Forest Meteorology</i> , 2002, 113, 97-120.	4.8	1,133
133	Evaluation of six process-based forest growth models using eddy-covariance measurements of CO ₂ and H ₂ O fluxes at six forest sites in Europe. <i>Global Change Biology</i> , 2002, 8, 213-230.	9.5	135
134	Carbon Balance Gradient in European Forests: Should We Doubt 'Surprising' Results? A Reply to Piovesan & Adams. <i>Journal of Vegetation Science</i> , 2001, 12, 145.	2.2	1
135	Productivity overshadows temperature in determining soil and ecosystem respiration across European forests. <i>Global Change Biology</i> , 2001, 7, 269-278.	9.5	843
136	Carbon balance gradient in European forests: should we doubt "surprising" results? A reply to Piovesan & Adams. <i>Journal of Vegetation Science</i> , 2001, 12, 145-150.	2.2	24
137	Respiration as the main determinant of carbon balance in European forests. <i>Nature</i> , 2000, 404, 861-865.	27.8	1,438
138	Soil Respiration in Beech and Spruce Forests in Europe: Trends, Controlling Factors, Annual Budgets and Implications for the Ecosystem Carbon Balance. <i>Ecological Studies</i> , 2000, , 217-236.	1.2	37
139	Interactions Between the Carbon and Nitrogen Cycles and the Role of Biodiversity: A Synopsis of a Study Along a North-South Transect Through Europe. <i>Ecological Studies</i> , 2000, , 468-491.	1.2	48
140	Tree Biomass, Growth and Nutrient Pools. <i>Ecological Studies</i> , 2000, , 49-62.	1.2	47
141	Model Analysis of Carbon and Nitrogen Cycling in Picea and Fagus Forests. <i>Ecological Studies</i> , 2000, , 419-467.	1.2	5
142	Estimation of leaf area index with the Li-Cor LAI 2000 in deciduous forests. <i>Forest Ecology and Management</i> , 1998, 105, 55-65.	3.2	186
143	Carbon Absorption by Temperate Forest Ecosystems: Problems and Responses to a Changing Environment. <i>Forestry Sciences</i> , 1998, , 119-127.	0.4	0
144	Antioxidants and photosynthesis in the leaves of <i>Triticum durum</i> desf. Seedlings acclimated to non-stressing high temperature. <i>Journal of Plant Physiology</i> , 1997, 150, 381-387.	3.5	28

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145	Long-term exposure to elevated [CO ₂] in a natural <i>Quercus ilex</i> L. community: net photosynthesis and photochemical efficiency of PSII at different levels of water stress. <i>Plant, Cell and Environment</i> , 1996, 19, 643-654.	5.7	98
146	Seasonal net carbon dioxide exchange of a beech forest with the atmosphere. <i>Global Change Biology</i> , 1996, 2, 199-207.	9.5	237
147	Carbon Metabolism and Plant Growth under Elevated CO ₂ in a Natural <i>Quercus ilex</i> L. "Macchia" Stand. , 1996, , 209-230.		6
148	In situ estimation of net CO ₂ assimilation, photosynthetic electron flow and photorespiration in Turkey oak (<i>Q. cerris</i> L.) leaves: diurnal cycles under different levels of water supply. <i>Plant, Cell and Environment</i> , 1995, 18, 631-640.	5.7	421
149	Coupling water sources and carbon metabolism of natural vegetation at integrated time and space scales. <i>Agricultural and Forest Meteorology</i> , 1995, 73, 297-306.	4.8	9
150	Remote sensing of chlorophyll a fluorescence of vegetation canopies: 2. Physiological significance of fluorescence signal in response to environmental stresses. <i>Remote Sensing of Environment</i> , 1994, 47, 29-35.	11.0	58
151	Electron wavelike behavior: A historical and experimental introduction. <i>American Journal of Physics</i> , 1990, 58, 1143-1147.	0.7	20
152	Measuring CO ₂ exchange at canopy scale: the eddy covariance technique. , 0, , 206-218.		1
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