

Franco Miglietta

List of Publications by Year in descending order

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Version: 2024-02-01

227
papers

19,855
citations

20817

60
h-index

12272

133
g-index

235
all docs

235
docs citations

235
times ranked

20270
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Effects of climate extremes on the terrestrial carbon cycle: concepts, processes and potential future impacts. <i>Global Change Biology</i> , 2015, 21, 2861-2880.	9.5	683
4	Modeling temporal and large-scale spatial variability of soil respiration from soil water availability, temperature and vegetation productivity indices. <i>Global Biogeochemical Cycles</i> , 2003, 17, n/a-n/a.	4.9	501
5	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
6	Severe drought effects on ecosystem CO ₂ and H ₂ O fluxes at three Mediterranean evergreen sites: revision of current hypotheses?. <i>Global Change Biology</i> , 2002, 8, 999-1017.	9.5	460
7	Drying and wetting of Mediterranean soils stimulates decomposition and carbon dioxide emission: the "Birch effect". <i>Tree Physiology</i> , 2007, 27, 929-940.	3.1	415
8	Biochar as a strategy to sequester carbon and increase yield in durum wheat. <i>European Journal of Agronomy</i> , 2011, 34, 231-238.	4.1	355
9	Mycorrhizal Hyphal Turnover as a Dominant Process for Carbon Input into Soil Organic Matter. <i>Plant and Soil</i> , 2006, 281, 15-24.	3.7	345
10	Forestry applications of UAVs in Europe: a review. <i>International Journal of Remote Sensing</i> , 2017, 38, 2427-2447.	2.9	325
11	Impact of biochar application to a Mediterranean wheat crop on soil microbial activity and greenhouse gas fluxes. <i>Chemosphere</i> , 2011, 85, 1464-1471.	8.2	264
12	Impact of biochar application on plant water relations in <i>Vitis vinifera</i> (L.). <i>European Journal of Agronomy</i> , 2014, 53, 38-44.	4.1	251
13	Remote sensing of sun-induced fluorescence to improve modeling of diurnal courses of gross primary production (GPP). <i>Global Change Biology</i> , 2010, 16, 171-186.	9.5	246
14	Free-air CO ₂ enrichment (FACE) of a poplar plantation: the POPFACE fumigation system. <i>New Phytologist</i> , 2001, 150, 465-476.	7.3	238
15	The FLuorescence EXplorer Mission Concept™ ESA's Earth Explorer 8. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 1273-1284.	6.3	238
16	Thirty years of in situ tree growth under elevated CO ₂ : a model for future forest responses?. <i>Global Change Biology</i> , 1997, 3, 463-471.	9.5	231
17	Diet, Environments, and Gut Microbiota. A Preliminary Investigation in Children Living in Rural and Urban Burkina Faso and Italy. <i>Frontiers in Microbiology</i> , 2017, 8, 1979.	3.5	222
18	Variation in cold hardiness and carbohydrate concentration from dormancy induction to bud burst among provenances of three European oak species. <i>Tree Physiology</i> , 2007, 27, 817-825.	3.1	198

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19	Precipitation pulses enhance respiration of Mediterranean ecosystems: the balance between organic and inorganic components of increased soil CO ₂ efflux. <i>Global Change Biology</i> , 2009, 15, 1289-1301.	9.5	182
20	Quality analysis applied on eddy covariance measurements at complex forest sites using footprint modelling. <i>Theoretical and Applied Climatology</i> , 2005, 80, 121-141.	2.8	173
21	Current status, uncertainty and future needs in soil organic carbon monitoring. <i>Science of the Total Environment</i> , 2014, 468-469, 376-383.	8.0	171
22	Effect of biochar addition on soil microbial community in a wheat crop. <i>European Journal of Soil Biology</i> , 2014, 60, 9-15.	3.2	164
23	Modelling the impact of future climate scenarios on yield and yield variability of grapevine. <i>Climate Research</i> , 1996, 7, 213-224.	1.1	159
24	Biochar stimulates plant growth but not fruit yield of processing tomato in a fertile soil. <i>Agriculture, Ecosystems and Environment</i> , 2015, 207, 163-170.	5.3	156
25	Next generation of elevated [CO ₂] experiments with crops: a critical investment for feeding the future world. <i>Plant, Cell and Environment</i> , 2008, 31, 1317-1324.	5.7	154
26	Free Air CO ₂ Enrichment of potato (<i>Solanum tuberosum</i> L.): development, growth and yield. <i>Global Change Biology</i> , 1998, 4, 163-172.	9.5	153
27	Free Air CO ₂ Enrichment (FACE) of grapevine (<i>Vitis vinifera</i> L.): II. Growth and quality of grape and wine in response to elevated CO ₂ concentrations. <i>European Journal of Agronomy</i> , 2001, 14, 145-155.	4.1	150
28	Inverse modeling of seasonal drought effects on canopy CO ₂ /H ₂ O exchange in three Mediterranean ecosystems. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	141
29	Climate control of terrestrial carbon exchange across biomes and continents. <i>Environmental Research Letters</i> , 2010, 5, 034007.	5.2	137
30	More plant growth but less plant defence? First global gene expression data for plants grown in soil amended with biochar. <i>GCB Bioenergy</i> , 2015, 7, 658-672.	5.6	135
31	Biochar alters the soil microbiome and soil function: results of next-generation amplicon sequencing across Europe. <i>GCB Bioenergy</i> , 2017, 9, 591-612.	5.6	126
32	CEFLES2: the remote sensing component to quantify photosynthetic efficiency from the leaf to the region by measuring sun-induced fluorescence in the oxygen absorption bands. <i>Biogeosciences</i> , 2009, 6, 1181-1198.	3.3	115
33	Natural CO ₂ springs in Italy: a resource for examining long-term response of vegetation to rising atmospheric CO ₂ concentrations. <i>Plant, Cell and Environment</i> , 1993, 16, 873-878.	5.7	107
34	Leaf area is stimulated in <i>Populus</i> by free air CO ₂ enrichment (POPFACE), through increased cell expansion and production. <i>Plant, Cell and Environment</i> , 2001, 24, 305-315.	5.7	107
35	Isoprenoid emission in trees of <i>Quercus pubescens</i> and <i>Quercus ilex</i> with lifetime exposure to naturally high CO ₂ environment+. <i>Plant, Cell and Environment</i> , 2004, 27, 381-391.	5.7	104
36	The CarboEurope Regional Experiment Strategy. <i>Bulletin of the American Meteorological Society</i> , 2006, 87, 1367-1380.	3.3	101

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37	Biochar increases vineyard productivity without affecting grape quality: Results from a four years field experiment in Tuscany. <i>Agriculture, Ecosystems and Environment</i> , 2015, 201, 20-25.	5.3	101
38	Transpiration and stomatal behaviour of <i>Quercus ilex</i> plants during the summer in a Mediterranean carbon dioxide spring. <i>Plant, Cell and Environment</i> , 1998, 21, 613-622.	5.7	98
39	The Biochar Option to Improve Plant Yields: First Results From Some Field and Pot Experiments in Italy. <i>Italian Journal of Agronomy</i> , 2010, 5, 3.	1.0	97
40	Spatial and Temporal Effects of Free-Air CO ₂ Enrichment (POPFACE) on Leaf Growth, Cell Expansion, and Cell Production in a Closed Canopy of Poplar. <i>Plant Physiology</i> , 2003, 131, 177-185.	4.8	96
41	Future atmospheric CO ₂ leads to delayed autumnal senescence. <i>Global Change Biology</i> , 2008, 14, 264-275.	9.5	95
42	Comparison between tower and aircraft-based eddy covariance fluxes in five European regions. <i>Agricultural and Forest Meteorology</i> , 2004, 127, 1-16.	4.8	91
43	Field application of pelletized biochar: Short term effect on the hydrological properties of a silty clay loam soil. <i>Agricultural Water Management</i> , 2016, 163, 190-196.	5.6	91
44	Surface albedo following biochar application in durum wheat. <i>Environmental Research Letters</i> , 2012, 7, 014025.	5.2	89
45	Elevated CO ₂ concentrations and stomatal density: observations from 17 plant species growing in a CO ₂ spring in central Italy. <i>Global Change Biology</i> , 1998, 4, 17-22.	9.5	87
46	Spatial and temporal performance of the miniface (free air CO ₂ enrichment) system on Bog Ecosystems in northern and Central Europe. <i>Environmental Monitoring and Assessment</i> , 2001, 66, 107-127.	2.7	86
47	Entrainment process of carbon dioxide in the atmospheric boundary layer. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	85
48	Methane and carbon dioxide fluxes and source partitioning in urban areas: The case study of Florence, Italy. <i>Environmental Pollution</i> , 2012, 164, 125-131.	7.5	84
49	Effects of lifelong [CO ₂] enrichment on carboxylation and light utilization of <i>Quercus pubescens</i> Willd. examined with gas exchange, biochemistry and optical techniques. <i>Plant, Cell and Environment</i> , 2000, 23, 1353-1362.	5.7	75
50	Experimental design of multifactor climate change experiments with elevated CO ₂ , warming and drought: the CLIMAITE project. <i>Functional Ecology</i> , 2008, 22, 185-195.	3.6	75
51	Net carbon storage in a poplar plantation (POPFACE) after three years of free-air CO ₂ enrichment. <i>Tree Physiology</i> , 2005, 25, 1399-1408.	3.1	74
52	Extraction and identification by GC-MS of phenolic acids in traditional balsamic vinegar from Modena. <i>Journal of Food Composition and Analysis</i> , 2006, 19, 49-54.	3.9	73
53	The transcriptome of <i>Populus</i> in elevated CO ₂ reveals increased anthocyanin biosynthesis during delayed autumnal senescence. <i>New Phytologist</i> , 2010, 186, 415-428.	7.3	73
54	Soil organic carbon stock assessment for the different cropland land uses in Italy. <i>Biology and Fertility of Soils</i> , 2012, 48, 9-17.	4.3	72

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55	Legal immigrants: invasion of alien microbial communities during winter occurring desert dust storms. <i>Microbiome</i> , 2017, 5, 32.	11.1	69
56	Leaf and canopy photosynthesis of a chlorophyll deficient soybean mutant. <i>Plant, Cell and Environment</i> , 2018, 41, 1427-1437.	5.7	68
57	Mesoscale circulations over complex terrain in the Valencia coastal region, Spain – Part 2: Modeling CO ₂ transport using idealized surface fluxes. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 1851-1868.	4.9	67
58	Biochar mineralization and priming effect on SOM decomposition in two European short rotation coppices. <i>GCB Bioenergy</i> , 2015, 7, 1150-1160.	5.6	66
59	Water relations, stomatal response and transpiration of <i>Quercus pubescens</i> trees during summer in a Mediterranean carbon dioxide spring. <i>Tree Physiology</i> , 1999, 19, 261-270.	3.1	65
60	Carbon Dioxide Emissions of the City Center of Firenze, Italy: Measurement, Evaluation, and Source Partitioning. <i>Journal of Applied Meteorology and Climatology</i> , 2009, 48, 1940-1947.	1.5	65
61	Short-term effects of biochar on grapevine fine root dynamics and arbuscular mycorrhizae production. <i>Agriculture, Ecosystems and Environment</i> , 2017, 239, 236-245.	5.3	65
62	Inhibition of net nitrification activity in a Mediterranean woodland: possible role of chemicals produced by <i>Arbutus unedo</i> . <i>Plant and Soil</i> , 2009, 315, 273-283.	3.7	64
63	Analysis of Airborne Optical and Thermal Imagery for Detection of Water Stress Symptoms. <i>Remote Sensing</i> , 2018, 10, 1139.	4.0	64
64	Effect of photoperiod and temperature on leaf initiation rates in wheat (<i>Triticum</i> spp.). <i>Field Crops Research</i> , 1989, 21, 121-130.	5.1	63
65	The TasFACE climate-change impacts experiment: design and performance of combined elevated CO ₂ and temperature enhancement in a native Tasmanian grassland. <i>Australian Journal of Botany</i> , 2006, 54, 1.	0.6	62
66	The effect of free air carbon dioxide enrichment (FACE) and soil nitrogen availability on the photosynthetic capacity of wheat. <i>Photosynthesis Research</i> , 1996, 47, 281-290.	2.9	58
67	The effects on <i>Arbutus unedo</i> L. of long-term exposure to elevated CO ₂ . <i>Global Change Biology</i> , 1995, 1, 295-302.	9.5	55
68	Mesoscale circulations over complex terrain in the Valencia coastal region, Spain – Part 1: Simulation of diurnal circulation regimes. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 1835-1849.	4.9	55
69	Carbon Sequestration and Fertility after Centennial Time Scale Incorporation of Charcoal into Soil. <i>PLoS ONE</i> , 2014, 9, e91114.	2.5	55
70	Biodiversity Mapping in a Tropical West African Forest with Airborne Hyperspectral Data. <i>PLoS ONE</i> , 2014, 9, e97910.	2.5	54
71	Water use of a bioenergy plantation increases in a future high CO ₂ world. <i>Biomass and Bioenergy</i> , 2009, 33, 200-208.	5.7	52
72	Application of DNDC biogeochemistry model to estimate greenhouse gas emissions from Italian agricultural areas at high spatial resolution. <i>Agriculture, Ecosystems and Environment</i> , 2010, 139, 546-556.	5.3	52

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73	Decreased summer drought affects plant productivity and soil carbon dynamics in a Mediterranean woodland. <i>Biogeosciences</i> , 2011, 8, 2729-2739.	3.3	52
74	Carbon dioxide emissions at an Italian mineral spring: measurements of average CO ₂ concentration and air temperature. <i>Agricultural and Forest Meteorology</i> , 1995, 73, 17-27.	4.8	50
75	Multi-Scale Evaluation of Drone-Based Multispectral Surface Reflectance and Vegetation Indices in Operational Conditions. <i>Remote Sensing</i> , 2020, 12, 514.	4.0	50
76	Free Air CO ₂ Enrichment of potato (<i>Solanum tuberosum</i> , L.): design and performance of the CO ₂ fumigation system. <i>Global Change Biology</i> , 1997, 3, 417-427.	9.5	48
77	Physiological and morphological responses of grassland species to elevated atmospheric CO ₂ concentrations in FACE-systems and natural CO ₂ springs. <i>Functional Plant Biology</i> , 2004, 31, 181.	2.1	47
78	Plant adaptation or acclimation to rising CO ₂ ? Insight from first multigenerational RNA-seq transcriptome. <i>Global Change Biology</i> , 2016, 22, 3760-3773.	9.5	47
79	Biochar mineralization and priming effect in a poplar short rotation coppice from a 3-year field experiment. <i>Biology and Fertility of Soils</i> , 2019, 55, 67-78.	4.3	47
80	Studying the effect of elevated CO ₂ in the open in a naturally enriched environment in Central Italy. <i>Plant Ecology</i> , 1993, 104-105, 391-400.	1.2	46
81	Bridging the gap between atmospheric concentrations and local ecosystem measurements. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	46
82	Challenges in elevated CO ₂ experiments on forests. <i>Trends in Plant Science</i> , 2010, 15, 5-10.	8.8	46
83	Tree species diversity interacts with elevated CO ₂ to induce a greater root system response. <i>Global Change Biology</i> , 2013, 19, 217-228.	9.5	46
84	Fate of Soil Organic Carbon and Polycyclic Aromatic Hydrocarbons in a Vineyard Soil Treated with Biochar. <i>Environmental Science & Technology</i> , 2015, 49, 11037-11044.	10.0	46
85	Do above-ground growth dynamics of poplar change with time under CO ₂ enrichment?. <i>New Phytologist</i> , 2003, 160, 305-318.	7.3	45
86	Gross primary production is stimulated for three <i>Populus</i> species grown under free-air CO ₂ enrichment from planting through canopy closure. <i>Global Change Biology</i> , 2005, 11, 644-656.	9.5	45
87	Coppicing shifts CO ₂ stimulation of poplar productivity to above-ground pools: a synthesis of leaf to stand level results from the POP/EUROFACE experiment. <i>New Phytologist</i> , 2009, 182, 331-346.	7.3	45
88	Elevated CO ₂ enrichment induces a differential biomass response in a mixed species temperate forest plantation. <i>New Phytologist</i> , 2013, 198, 156-168.	7.3	45
89	Three years of free-air CO ₂ enrichment (POPFACE) only slightly affect profiles of light and leaf characteristics in closed canopies of <i>Populus</i> . <i>Global Change Biology</i> , 2003, 9, 1022-1037.	9.5	44
90	Water relations of oak species growing in the natural CO ₂ spring of Rapolano (central Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	9.2	41

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91	Exploring the physiological information of Sun-induced chlorophyll fluorescence through radiative transfer model inversion. <i>Remote Sensing of Environment</i> , 2018, 215, 97-108.	11.0	41
92	The impact of elevated CO ₂ on growth and photosynthesis in <i>Agrostis canina</i> L. ssp. <i>monteluccii</i> adapted to contrasting atmospheric CO ₂ concentrations. <i>Oecologia</i> , 1997, 110, 169-178.	2.0	40
93	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
94	Changes in the pattern of polycyclic aromatic hydrocarbons in soil treated with biochar from a multiyear field experiment. <i>Chemosphere</i> , 2019, 219, 662-670.	8.2	40
95	Estimating daily global radiation from air temperature and rainfall measurements. <i>Climate Research</i> , 1991, 1, 117-124.	1.1	39
96	Morphological adjustments of mature <i>Quercus ilex</i> trees to elevated CO ₂ . <i>Acta Oecologica</i> , 1997, 18, 361-365.	1.1	38
97	Negative elevation-dependent warming trend in the Eastern Alps. <i>Environmental Research Letters</i> , 2016, 11, 044021.	5.2	37
98	The Antioxidant Status of Soybean (<i>Glycine max</i>) Leaves Grown Under Natural CO ₂ Enrichment in the Field. <i>Functional Plant Biology</i> , 1993, 20, 275.	2.1	37
99	A Spectral Fitting Algorithm to Retrieve the Fluorescence Spectrum from Canopy Radiance. <i>Remote Sensing</i> , 2019, 11, 1840.	4.0	35
100	The new Pest Risk Analysis for <i>Tilletia indica</i> , the cause of Karnal bunt of wheat, continues to support the quarantine status of the pathogen in Europe. <i>Plant Pathology</i> , 2008, 57, 603-611.	2.4	34
101	An energy-efficient biochar chain involving biomass gasification and rice cultivation in Northern Italy. <i>GCB Bioenergy</i> , 2013, 5, 192-201.	5.6	34
102	Responses of two <i>Populus</i> clones to elevated atmospheric CO ₂ concentration in the field. <i>Annales Des Sciences Forestières</i> , 1999, 56, 493-500.	1.2	34
103	Leaf Metabolism During Summer Drought in <i>Quercus ilex</i> Trees with Lifetime Exposure to Elevated CO ₂ . <i>Journal of Biogeography</i> , 1995, 22, 255.	3.0	33
104	Carbon Dioxide and Acetone Air-Sea Fluxes over the Southern Atlantic. <i>Environmental Science & Technology</i> , 2009, 43, 5218-5222.	10.0	33
105	Forest classification by principal component analyses of TM data. <i>International Journal of Remote Sensing</i> , 1988, 9, 1597-1612.	2.9	32
106	Dis-aggregation of airborne flux measurements using footprint analysis. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 966-983.	4.8	32
107	Comparing carbon fluxes between different stages of secondary succession of a karst grassland. <i>Agriculture, Ecosystems and Environment</i> , 2011, 140, 199-207.	5.3	32
108	Simulation of wheat ontogenesis. I. Appearance of main stem leaves in the field. <i>Climate Research</i> , 1991, 1, 145-150.	1.1	32

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109	Land use change and soil organic carbon dynamics in Mediterranean agro-ecosystems: The case study of Pianosa Island. <i>Geoderma</i> , 2012, 175-176, 29-36.	5.1	31
110	Hydrochar enhances growth of poplar for bioenergy while marginally contributing to direct soil carbon sequestration. <i>GCB Bioenergy</i> , 2017, 9, 1618-1626.	5.6	31
111	Effect of Microwaves on Volatile Compounds in White and Black Pepper. <i>LWT - Food Science and Technology</i> , 2002, 35, 260-264.	5.2	30
112	Mineral composition of durum wheat grain and pasta under increasing atmospheric CO ₂ concentrations. <i>Food Chemistry</i> , 2018, 242, 53-61.	8.2	29
113	Isotopic carbon discrimination and leaf nitrogen content of <i>Erica arborea</i> L. along a CO ₂ concentration gradient in a CO ₂ spring in Italy. <i>Tree Physiology</i> , 1995, 15, 327-332.	3.1	28
114	Microclimatic Performance of a Free-Air Warming and CO ₂ Enrichment Experiment in Windy Wyoming, USA. <i>PLoS ONE</i> , 2015, 10, e0116834.	2.5	28
115	ONS: an ontology for a standardized description of interventions and observational studies in nutrition. <i>Genes and Nutrition</i> , 2018, 13, 12.	2.5	28
116	Effects of varying solar-view geometry and canopy structure on solar-induced chlorophyll fluorescence and PRI. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020, 89, 102069.	2.8	28
117	The preterm prediction study: maternal serum relaxin, sonographic cervical length, and spontaneous preterm birth in twins. <i>Journal of the Society for Gynecologic Investigation</i> , 2001, 8, 39-42.	1.7	28
118	Mesoscale modelling of the CO ₂ interactions between the surface and the atmosphere applied to the April 2007 CERES field experiment. <i>Biogeosciences</i> , 2009, 6, 633-646.	3.3	27
119	Development and Performance Assessment of a Low-Cost UAV Laser Scanner System (LasUAV). <i>Remote Sensing</i> , 2018, 10, 1094.	4.0	27
120	PLASMO: a simulation model for control of <i>Plasmopara viticola</i> on grapevine. <i>EPPO Bulletin</i> , 1993, 23, 619-626.	0.8	26
121	Free Air CO ₂ Enrichment (FACE) of grapevine (<i>Vitis vinifera</i> L.): I. Development and testing of the system for CO ₂ enrichment. <i>European Journal of Agronomy</i> , 2001, 14, 135-143.	4.1	26
122	Retrieving soil moisture in rainfed and irrigated fields using Sentinel-2 observations and a modified OPTRAM approach. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020, 89, 102113.	2.8	26
123	Growth and onto-morphogenesis of soybean (<i>Glycine max</i> Merrill) in an open, naturally CO ₂ -enriched environment. <i>Plant, Cell and Environment</i> , 1993, 16, 909-918.	5.7	25
124	Detecting regional variability in sources and sinks of carbon dioxide: a synthesis. <i>Biogeosciences</i> , 2009, 6, 1015-1026.	3.3	25
125	Monoterpene emission responses to elevated CO ₂ in a Mediterranean-type ecosystem. <i>New Phytologist</i> , 2004, 161, 17-21.	7.3	24
126	Biochar macrofauna interplay: Searching for new bioindicators. <i>Science of the Total Environment</i> , 2015, 536, 449-456.	8.0	24

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127	Measurements and modeling of surface-atmosphere exchange of microorganisms in Mediterranean grassland. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 14919-14936.	4.9	24
128	Transport of fluorobenzoate tracers in a vegetated hydrologic control volume: 1. Experimental results. <i>Water Resources Research</i> , 2015, 51, 2773-2792.	4.2	23
129	Black carbon aerosol from biochar threatens its negative emission potential. <i>Global Change Biology</i> , 2016, 22, 2313-2314.	9.5	23
130	Biochar-based nursery substrates: The effect of peat substitution on reduced salinity. <i>Urban Forestry and Urban Greening</i> , 2017, 23, 27-34.	5.3	23
131	Sensible and latent heat flux from radiometric surface temperatures at the regional scale: methodology and evaluation. <i>Biogeosciences</i> , 2009, 6, 1975-1986.	3.3	22
132	Biochar improves the fertility of a Mediterranean vineyard without toxic impact on the microbial community. <i>Agronomy for Sustainable Development</i> , 2017, 37, 1.	5.3	22
133	Individual Tree Crown Segmentation in Two-Layered Dense Mixed Forests from UAV LiDAR Data. <i>Drones</i> , 2020, 4, 10.	4.9	22
134	Dynamics of sun-induced chlorophyll fluorescence and reflectance to detect stress-induced variations in canopy photosynthesis. <i>Plant, Cell and Environment</i> , 2020, 43, 1637-1654.	5.7	22
135	Response times of remote sensing measured sun-induced chlorophyll fluorescence, surface temperature and vegetation indices to evolving soil water limitation in a crop canopy. <i>Remote Sensing of Environment</i> , 2022, 273, 112957.	11.0	22
136	Isotope discrimination and photosynthesis of vegetation growing in the Bossoleto CO2 spring. <i>Chemosphere</i> , 1998, 36, 771-776.	8.2	21
137	Radiometric Inter-Consistency of VIIRS DNB on Suomi NPP and NOAA-20 from Observations of Reflected Lunar Lights over Deep Convective Clouds. <i>Remote Sensing</i> , 2019, 11, 934.	4.0	21
138	FACE Technology: Past, Present, and Future. , 2006, , 15-43.		21
139	The expected effects of climate change on wheat development. <i>Global Change Biology</i> , 1995, 1, 407-415.	9.5	20
140	Net regional ecosystem CO2 exchange from airborne and ground-based eddy covariance, land-use maps and weather observations. <i>Global Change Biology</i> , 2007, 13, 548-560.	9.5	20
141	Quantification of excess water loss in plant canopies warmed with infrared heating. <i>Global Change Biology</i> , 2012, 18, 2860-2868.	9.5	20
142	Comparing integrated stable isotope and eddy covariance estimates of water-use efficiency on a Mediterranean successional sequence. <i>Oecologia</i> , 2014, 176, 581-594.	2.0	20
143	Elevated field atmospheric CO2 concentrations affect the characteristics of winter wheat (cv.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 1.5 20		20
144	Different methods for separating diffuse and direct components of solar radiation and their application in crop growth models. <i>Climate Research</i> , 1992, 2, 47-54.	1.1	20

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145	Locating industrial VOC sources with aircraft observations. <i>Environmental Pollution</i> , 2011, 159, 1174-1182.	7.5	19
146	WhiteRef: A New Tower-Based Hyperspectral System for Continuous Reflectance Measurements. <i>Sensors</i> , 2015, 15, 1088-1105.	3.8	19
147	FLEX " Fluorescence Explorer: A Remote Sensing Approach to Quantify Spatio-Temporal Variations of Photosynthetic Efficiency from Space. , 2008, , 1387-1390.		19
148	Simulation of wheat ontogenesis. II. Prediction dates of ear emergence and main stem final leaf number. <i>Climate Research</i> , 1991, 1, 151-160.	1.1	19
149	Durum wheat modeling: The Delphi system, 11 years of observations in Italy. <i>European Journal of Agronomy</i> , 2012, 43, 108-118.	4.1	18
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