

Edoardo Cremonese

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

1,263
citations

18
h-index

35
g-index

69
ext. papers

1,856
ext. citations

7.1
avg, IF

3.67
L-index

#	Paper	IF	Citations
40	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020 , 7, 225	8.2	256
39	Using digital repeat photography and eddy covariance data to model grassland phenology and photosynthetic CO ₂ uptake. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 1325-1337	5.8	154
38	Phenopix: A R package for image-based vegetation phenology. <i>Agricultural and Forest Meteorology</i> , 2016 , 220, 141-150	5.8	93
37	Interpreting canopy development and physiology using a European phenology camera network at flux sites. <i>Biogeosciences</i> , 2015 , 12, 5995-6015	4.6	77
36	Using digital camera images to analyse snowmelt and phenology of a subalpine grassland. <i>Agricultural and Forest Meteorology</i> , 2014 , 198-199, 116-125	5.8	58
35	SoilTemp: A global database of near-surface temperature. <i>Global Change Biology</i> , 2020 , 26, 6616-6629	11.4	47
34	NDVI derived from near-infrared-enabled digital cameras: Applicability across different plant functional types. <i>Agricultural and Forest Meteorology</i> , 2018 , 249, 275-285	5.8	44
33	Using Near-Infrared-Enabled Digital Repeat Photography to Track Structural and Physiological Phenology in Mediterranean TreeGrass Ecosystems. <i>Remote Sensing</i> , 2018 , 10, 1293	5	43
32	Influence of physiological phenology on the seasonal pattern of ecosystem respiration in deciduous forests. <i>Global Change Biology</i> , 2015 , 21, 363-76	11.4	41
31	Heat wave hinders green wave: The impact of climate extreme on the phenology of a mountain grassland. <i>Agricultural and Forest Meteorology</i> , 2017 , 247, 320-330	5.8	40
30	Towards long-term standardised carbon and greenhouse gas observations for monitoring European terrestrial ecosystems: a review. <i>International Agrophysics</i> , 2018 , 32, 439-455	2	39
29	Saharan dust events in the European Alps: role in snowmelt and geochemical characterization. <i>Cryosphere</i> , 2019 , 13, 1147-1165	5.5	29
28	Warming permafrost and active layer variability at Cime Bianche, Western European Alps. <i>Cryosphere</i> , 2015 , 9, 647-661	5.5	29
27	Remote estimation of grassland gross primary production during extreme meteorological seasons. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2014 , 29, 1-10	7.3	25
26	Five years of phenological monitoring in a mountain grassland: inter-annual patterns and evaluation of the sampling protocol. <i>International Journal of Biometeorology</i> , 2015 , 59, 1927-37	3.7	24
25	Sensitivity of gross primary productivity to climatic drivers during the summer drought of 2018 in Europe. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020 , 375, 20190747	5.8	23
24	Climatic Drivers of Greening Trends in the Alps. <i>Remote Sensing</i> , 2019 , 11, 2527	5	20

23	Altered energy partitioning across terrestrial ecosystems in the European drought year 2018. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020 , 375, 20190524	5.8	18
22	'Hearing' alpine plants growing after snowmelt: ultrasonic snow sensors provide long-term series of alpine plant phenology. <i>International Journal of Biometeorology</i> , 2017 , 61, 349-361	3.7	15
21	Assessing Crop Coefficients for Natural Vegetated Areas Using Satellite Data and Eddy Covariance Stations. <i>Sensors</i> , 2017 , 17,	3.8	13
20	Global transpiration data from sap flow measurements: the SAPFLUXNET database. <i>Earth System Science Data</i> , 2021 , 13, 2607-2649	10.5	13
19	Hummocks affect soil properties and soil-vegetation relationships in a subalpine grassland (North-Western Italian Alps). <i>Catena</i> , 2016 , 145, 214-226	5.8	13
18	Tradeoffs between global warming and day length on the start of the carbon uptake period in seasonally cold ecosystems. <i>Geophysical Research Letters</i> , 2013 , 40, 6136-6142	4.9	12
17	Interpreting canopy development and physiology using the EUROPhen camera network at flux sites		12
16	Nutrients and water availability constrain the seasonality of vegetation activity in a Mediterranean ecosystem. <i>Global Change Biology</i> , 2020 , 26, 4379-4400	11.4	11
15	Assimilating phenology datasets automatically across ICOS ecosystem stations. <i>International Agrophysics</i> , 2018 , 32, 677-687	2	11
14	Sensitivity of snow models to the accuracy of meteorological forcings in mountain environments. <i>Hydrology and Earth System Sciences</i> , 2020 , 24, 4061-4090	5.5	9
13	Global maps of soil temperature.. <i>Global Change Biology</i> , 2021 ,	11.4	8
12	The three major axes of terrestrial ecosystem function. <i>Nature</i> , 2021 , 598, 468-472	50.4	8
11	Retrieval and validation of forest background reflectivity from daily Moderate Resolution Imaging Spectroradiometer (MODIS) bidirectional reflectance distribution function (BRDF) data across European forests. <i>Biogeosciences</i> , 2021 , 18, 621-635	4.6	8
10	Contribution of advection to nighttime ecosystem respiration at a mountain grassland in complex terrain. <i>Agricultural and Forest Meteorology</i> , 2017 , 237-238, 270-281	5.8	7
9	An Enkf-Based Scheme for Snow Multivariable Data Assimilation at an Alpine Site. <i>Journal of Hydrology and Hydromechanics</i> , 2019 , 67, 4-19	2.1	7
8	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,	3.7	6
7	Global transpiration data from sap flow measurements: the SAPFLUXNET database		6
6	Learning about precipitation lapse rates from snow course data improves water balance modeling. <i>Hydrology and Earth System Sciences</i> , 2021 , 25, 2109-2131	5.5	6

5	The tempo of greening in the European Alps: Spatial variations on a common theme. <i>Global Change Biology</i> , 2021 , 27, 5614-5628	11.4	6
4	Carbon, Water and Energy Fluxes of Terrestrial Ecosystems in Italy. <i>Environmental Science and Engineering</i> , 2015 , 11-45	0.2	5
3	Uncovering the critical soil moisture thresholds of plant water stress for European ecosystems.. <i>Global Change Biology</i> , 2021 ,	11.4	5
2	On the distribution and productivity of mountain grasslands in the Gran Paradiso National Park, NW Italy: A remote sensing approach. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022 , 108, 102718	7.3	2
1	Contrasting responses of forest growth and carbon sequestration to heat and drought in the Alps. <i>Environmental Research Letters</i> , 2022 , 17, 045015	6.2	0