Eric E Ceschia

List of Publications by Year
in descending order

64 papers	5,576 citations	109321 35 h-index	118850 62 g-index
64 all docs	64 docs citations	64 times ranked	6984 citing authors

#	Article	IF	Citations
1	Environmental control of land-atmosphere CO₂ fluxes from temperate ecosystems: a statistical approach based on homogenized time series from five land-use types. Tellus, Series B: Chemical and Physical Meteorology, 2022, 72, 1784689.	1.6	4
2	Hydrological Functioning of Maize Crops in Southwest France Using Eddy Covariance Measurements and a Land Surface Model. Water (Switzerland), 2021, 13, 1481.	2.7	2
3	Surface energy balance and flux partitioning of annual crops in southwestern France. Agricultural and Forest Meteorology, 2021, 308-309, 108529.	4.8	8
4	Building a shared vision of the future for multifunctional agricultural landscapes. Lessons from a long term socio-ecological research site in south-western France. Advances in Ecological Research, 2021, , 57-106.	2.7	10
5	Synergy of Sentinel-1 and Sentinel-2 Imagery for Early Seasonal Agricultural Crop Mapping. Remote Sensing, 2021, 13, 4891.	4.0	14
6	Using Sentinel-2 Images for Soil Organic Carbon Content Mapping in Croplands of Southwestern France. The Usefulness of Sentinel-1/2 Derived Moisture Maps and Mismatches between Sentinel Images and Sampling Dates. Remote Sensing, 2021, 13, 5115.	4.0	18
7	Combining High-Resolution Remote Sensing Products with a Crop Model to Estimate Carbon and Water Budget Components: Application to Sunflower. Remote Sensing, 2020, 12, 2967.	4.0	8
8	Estimation of daily CO2 fluxes and of the components of the carbon budget for winter wheat by the assimilation of Sentinel 2-like remote sensing data into a crop model. Geoderma, 2020, 376, 114428.	5.1	19
9	Ability of a soilâ€“vegetationâ€“atmosphere transfer model and a two-source energy balance model to predict evapotranspiration for several crops and climate conditions. Hydrology and Earth System Sciences, 2019, 23, 5033-5058.	4.9	8
10	N2O flux measurements over an irrigated maize crop: A comparison of three methods. Agricultural and Forest Meteorology, 2019, 264, 56-72.	4.8	25
11	What is the potential of cropland albedo management in the fight against global warming? A case study based on the use of cover crops. Environmental Research Letters, 2018, 13, 044030.	5.2	56
12	A Surface Albedo Product at High Spatial Resolution from a Combination of Sentinel-2 and Landsat-8 Observations. , 2018, , .		1
13	Predicting water balance of wheat and crop rotations with a simple model: AqYield. Agricultural and Forest Meteorology, 2018, 262, 412-422.	4.8	6
14	Towards long-term standardised carbon and greenhouse gas observations for monitoring Europeâ€™s terrestrial ecosystems: a review. International Agrophysics, 2018, 32, 439-455.	1.7	55
15	Importance of reporting ancillary site characteristics, and management and disturbance information at ICOS stations. International Agrophysics, 2018, 32, 457-469.	1.7	8
16	Ancillary vegetation measurements at ICOS ecosystem stations. International Agrophysics, 2018, 32, 645-664.	1.7	35
17	Improved methodology to quantify the temperature sensitivity of the soil heterotrophic respiration in croplands. Geoderma, 2017, 296, 18-29.	5.1	13
18	Observed volatilization fluxes of S-metolachlor and benoxacor applied on soil with and without crop residues. Environmental Science and Pollution Research, 2017, 24, 3985-3996.	5.3	15

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19	Understanding the temporal behavior of crops using Sentinel-1 and Sentinel-2-like data for agricultural applications. Remote Sensing of Environment, 2017, 199, 415-426.	11.0	502
20	ORCHIDEE-CROP (v0), a new process-based agro-land surface model: model description and evaluation over Europe. Geoscientific Model Development, 2016, 9, 857-873.	3.6	51
21	Extracting Soil Water Holding Capacity Parameters of a Distributed Agro-Hydrological Model from High Resolution Optical Satellite Observations Series. Remote Sensing, 2016, 8, 154.	4.0	16
22	Modeling soil evaporation efficiency in a range of soil and atmospheric conditions using a metaâ€analysis approach. Water Resources Research, 2016, 52, 3663-3684.	4.2	56
23	Simulating the net ecosystem CO2 exchange and its components over winter wheat cultivation sites across a large climate gradient in Europe using the ORCHIDEE-STICS generic model. Agriculture, Ecosystems and Environment, 2016, 226, 1-17.	5.3	11
24	Varying applicability of four different satellite-derived soil moisture products to global gridded crop model evaluation. International Journal of Applied Earth Observation and Geoinformation, 2016, 48, 51-60.	2.8	16
25	A modeling study on mitigation of N2O emissions and NO3 leaching at different agricultural sites across Europe using LandscapeDNDC. Science of the Total Environment, 2016, 553, 128-140.	8.0	52
26	Biomass production efficiency controlled by management in temperate and boreal ecosystems. Nature Geoscience, 2015, 8, 843-846.	12.9	109
27	Agro-hydrology and multi-temporal high-resolution remote sensing: toward an explicit spatial processes calibration. Hydrology and Earth System Sciences, 2014, 18, 5219-5237.	4.9	13
28	Land management and land-cover change haveÂimpacts of similar magnitude on surfaceÂtemperature. Nature Climate Change, 2014, 4, 389-393.	18.8	404
29	Evaluation of a simple approach for crop evapotranspiration partitioning and analysis of the water budget distribution for several crop species. Agricultural and Forest Meteorology, 2013, 177, 46-56.	4.8	25
30	Cropsâ€™ water use efficiencies in temperate climate: Comparison of stand, ecosystem and agronomical approaches. Agricultural and Forest Meteorology, 2013, 168, 69-81.	4.8	59
31	Eddy Covariance Measurements over Crops. , 2012, , 319-331.		9
32	Maize and sunflower biomass estimation in southwest France using high spatial and temporal resolution remote sensing data. Remote Sensing of Environment, 2012, 124, 844-857.	11.0	213
33	An empirical expression to relate aerodynamic and surface temperatures for use within single-source energy balance models. Agricultural and Forest Meteorology, 2012, 161, 148-155.	4.8	45
34	Reconstruction of temporal variations of evapotranspiration using instantaneous estimates at the time of satellite overpass. Hydrology and Earth System Sciences, 2012, 16, 2995-3010.	4.9	76
35	Importance of crop varieties and management practices: evaluation of a process-based model for simulating CO₂ and H₂O fluxes at five European maize (<i>Zea) Tj ETQq1 1 0.784314 rgBT /Over	3.3	21
36	Predicting and partitioning ozone fluxes to maize crops from sowing to harvest: the Surfatm-O₃ model. Biogeosciences, 2011, 8, 2869-2886.	3.3	54

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37	An Analytical Model of Evaporation Efficiency for Unsaturated Soil Surfaces with an Arbitrary Thickness. Journal of Applied Meteorology and Climatology, 2011, 50, 457-471.	1.5	41
38	Measurements necessary for assessing the net ecosystem carbon budget of croplands. Agriculture, Ecosystems and Environment, 2010, 139, 302-315.	5.3	221
39	Variability in carbon exchange of European croplands. Agriculture, Ecosystems and Environment, 2010, 139, 325-335.	5.3	71
40	Predicting the net carbon exchanges of crop rotations in Europe with an agro-ecosystem model. Agriculture, Ecosystems and Environment, 2010, 139, 384-395.	5.3	42
41	A linked carbon cycle and crop developmental model: Description and evaluation against measurements of carbon fluxes and carbon stocks at several European agricultural sites. Agriculture, Ecosystems and Environment, 2010, 139, 402-418.	5.3	54
42	The net biome production of full crop rotations in Europe. Agriculture, Ecosystems and Environment, 2010, 139, 336-345.	5.3	152
43	The carbon balance of European croplands: A cross-site comparison of simulation models. Agriculture, Ecosystems and Environment, 2010, 139, 419-453.	5.3	55
44	Management effects on European cropland respiration. Agriculture, Ecosystems and Environment, 2010, 139, 346-362.	5.3	58
45	Management effects on net ecosystem carbon and GHG budgets at European crop sites. Agriculture, Ecosystems and Environment, 2010, 139, 363-383.	5.3	194
46	Productivity, Respiration, and Light-Response Parameters of World Grassland and Agroecosystems Derived From Flux-Tower Measurements. Rangeland Ecology and Management, 2010, 63, 16-39.	2.3	133
47	Mesoscale modelling of the CO₂ interactions between the surface and the atmosphere applied to the April 2007 CERES field experiment. Biogeosciences, 2009, 6, 633-646.	3.3	27
48	Precipitation as driver of carbon fluxes in 11 African ecosystems. Biogeosciences, 2009, 6, 1027-1041.	3.3	106
49	Modelling LAI at a regional scale with ISBA-A-gs: comparison with satellite-derived LAI over southwestern France. Biogeosciences, 2009, 6, 1389-1404.	3.3	43
50	Response of surface energy balance to water regime and vegetation development in a Sahelian landscape. Journal of Hydrology, 2009, 375, 178-189.	5.4	76
51	The AMMA-CATCH Gourma observatory site in Mali: Relating climatic variations to changes in vegetation, surface hydrology, fluxes and natural resources. Journal of Hydrology, 2009, 375, 14-33.	5.4	140
52	Carbon balance of a three crop succession over two cropland sites in South West France. Agricultural and Forest Meteorology, 2009, 149, 1628-1645.	4.8	178
53	Uncertainty analysis of computational methods for deriving sensible heat flux values from scintillometer measurements. Atmospheric Measurement Techniques, 2009, 2, 741-753.	3.1	33
54	CO₂ budgeting at the regional scale using a Lagrangian experimental strategy and meso-scale modeling. Biogeosciences, 2009, 6, 113-127.	3.3	12

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55	The role of grazing management for the net biome productivity and greenhouse gas budget (CO2, N2O) Tj ETQq1 1 0.784314 rgBT /Ov	5.3	205
56	Full accounting of the greenhouse gas (CO2, N2O, CH4) budget of nine European grassland sites. Agriculture, Ecosystems and Environment, 2007, 121, 121-134.	5.3	409
57	Effects of climate and management intensity on nitrous oxide emissions in grassland systems across Europe. Agriculture, Ecosystems and Environment, 2007, 121, 135-152.	5.3	262
58	A whole-tree chamber system for examining tree-level physiological responses of field-grown trees to environmental variation and climate change. Plant, Cell and Environment, 2006, 29, 1853-1869.	5.7	64
59	The CarboEurope Regional Experiment Strategy. Bulletin of the American Meteorological Society, 2006, 87, 1367-1380.	3.3	101
60	Growth and phosphorus productivity of non-mycorrhizal Pinus pinaster seedlings: Comparison of three populations and seven full-sib families within a population. Scandinavian Journal of Forest Research, 2005, 20, 196-205.	1.4	1
61	Carbon cycling and sequestration opportunities in temperate grasslands. Soil Use and Management, 2004, 20, 219-230.	4.9	360
62	Spatial and seasonal variations in stem respiration of beech trees (Fagus sylvatica). Annals of Forest Science, 2002, 59, 801-812.	2.0	83
63	Stem and branch respiration of beech: from tree measurements to estimations at the stand level. New Phytologist, 2002, 153, 159-172.	7.3	164
64	The carbon balance of a young Beech forest. Functional Ecology, 2000, 14, 312-325.	3.6	254