

# Eric E Ceschia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/450637/publications.pdf>

Version: 2024-02-01

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	Understanding the temporal behavior of crops using Sentinel-1 and Sentinel-2-like data for agricultural applications. <i>Remote Sensing of Environment</i> , 2017, 199, 415-426.	11.0	502
2	Full accounting of the greenhouse gas (CO <sub>2</sub> , N <sub>2</sub> O, CH <sub>4</sub> ) budget of nine European grassland sites. <i>Agriculture, Ecosystems and Environment</i> , 2007, 121, 121-134.	5.3	409
3	Land management and land-cover change have impacts of similar magnitude on surface temperature. <i>Nature Climate Change</i> , 2014, 4, 389-393.	18.8	404
4	Carbon cycling and sequestration opportunities in temperate grasslands. <i>Soil Use and Management</i> , 2004, 20, 219-230.	4.9	360
5	Effects of climate and management intensity on nitrous oxide emissions in grassland systems across Europe. <i>Agriculture, Ecosystems and Environment</i> , 2007, 121, 135-152.	5.3	262
6	The carbon balance of a young Beech forest. <i>Functional Ecology</i> , 2000, 14, 312-325.	3.6	254
7	Measurements necessary for assessing the net ecosystem carbon budget of croplands. <i>Agriculture, Ecosystems and Environment</i> , 2010, 139, 302-315.	5.3	221
8	Maize and sunflower biomass estimation in southwest France using high spatial and temporal resolution remote sensing data. <i>Remote Sensing of Environment</i> , 2012, 124, 844-857.	11.0	213
9	The role of grazing management for the net biome productivity and greenhouse gas budget (CO <sub>2</sub> , N <sub>2</sub> O) Tj ETQq1 1 0.784314 rgBT / C	5.3	205
10	Management effects on net ecosystem carbon and GHG budgets at European crop sites. <i>Agriculture, Ecosystems and Environment</i> , 2010, 139, 363-383.	5.3	194
11	Carbon balance of a three crop succession over two cropland sites in South West France. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 1628-1645.	4.8	178
12	Stem and branch respiration of beech: from tree measurements to estimations at the stand level. <i>New Phytologist</i> , 2002, 153, 159-172.	7.3	164
13	The net biome production of full crop rotations in Europe. <i>Agriculture, Ecosystems and Environment</i> , 2010, 139, 336-345.	5.3	152
14	The AMMA-CATCH Gourma observatory site in Mali: Relating climatic variations to changes in vegetation, surface hydrology, fluxes and natural resources. <i>Journal of Hydrology</i> , 2009, 375, 14-33.	5.4	140
15	Productivity, Respiration, and Light-Response Parameters of World Grassland and Agroecosystems Derived From Flux-Tower Measurements. <i>Rangeland Ecology and Management</i> , 2010, 63, 16-39.	2.3	133
16	Biomass production efficiency controlled by management in temperate and boreal ecosystems. <i>Nature Geoscience</i> , 2015, 8, 843-846.	12.9	109
17	Precipitation as driver of carbon fluxes in 11 African ecosystems. <i>Biogeosciences</i> , 2009, 6, 1027-1041.	3.3	106
18	The CarboEurope Regional Experiment Strategy. <i>Bulletin of the American Meteorological Society</i> , 2006, 87, 1367-1380.	3.3	101

#	ARTICLE	IF	CITATIONS
19	Spatial and seasonal variations in stem respiration of beech trees ( <i>Fagus sylvatica</i> ). <i>Annals of Forest Science</i> , 2002, 59, 801-812.	2.0	83
20	Response of surface energy balance to water regime and vegetation development in a Sahelian landscape. <i>Journal of Hydrology</i> , 2009, 375, 178-189.	5.4	76
21	Reconstruction of temporal variations of evapotranspiration using instantaneous estimates at the time of satellite overpass. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 2995-3010.	4.9	76
22	Variability in carbon exchange of European croplands. <i>Agriculture, Ecosystems and Environment</i> , 2010, 139, 325-335.	5.3	71
23	A whole-tree chamber system for examining tree-level physiological responses of field-grown trees to environmental variation and climate change. <i>Plant, Cell and Environment</i> , 2006, 29, 1853-1869.	5.7	64
24	Crops' water use efficiencies in temperate climate: Comparison of stand, ecosystem and agronomical approaches. <i>Agricultural and Forest Meteorology</i> , 2013, 168, 69-81.	4.8	59
25	Management effects on European cropland respiration. <i>Agriculture, Ecosystems and Environment</i> , 2010, 139, 346-362.	5.3	58
26	Modeling soil evaporation efficiency in a range of soil and atmospheric conditions using a meta-analysis approach. <i>Water Resources Research</i> , 2016, 52, 3663-3684.	4.2	56
27	What is the potential of cropland albedo management in the fight against global warming? A case study based on the use of cover crops. <i>Environmental Research Letters</i> , 2018, 13, 044030.	5.2	56
28	The carbon balance of European croplands: A cross-site comparison of simulation models. <i>Agriculture, Ecosystems and Environment</i> , 2010, 139, 419-453.	5.3	55
29	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
30	A linked carbon cycle and crop developmental model: Description and evaluation against measurements of carbon fluxes and carbon stocks at several European agricultural sites. <i>Agriculture, Ecosystems and Environment</i> , 2010, 139, 402-418.	5.3	54
31	Predicting and partitioning ozone fluxes to maize crops from sowing to harvest: the Surf <sub>atm-O<sub>3</sub></sub> model. <i>Biogeosciences</i> , 2011, 8, 2869-2886.	3.3	54
32	A modeling study on mitigation of N <sub>2</sub> O emissions and NO <sub>3</sub> leaching at different agricultural sites across Europe using LandscapeDNDC. <i>Science of the Total Environment</i> , 2016, 553, 128-140.	8.0	52
33	ORCHIDEE-CROP (v0), a new process-based agro-land surface model: model description and evaluation over Europe. <i>Geoscientific Model Development</i> , 2016, 9, 857-873.	3.6	51
34	An empirical expression to relate aerodynamic and surface temperatures for use within single-source energy balance models. <i>Agricultural and Forest Meteorology</i> , 2012, 161, 148-155.	4.8	45
35	Modelling LAI at a regional scale with ISBA-A-gs: comparison with satellite-derived LAI over southwestern France. <i>Biogeosciences</i> , 2009, 6, 1389-1404.	3.3	43
36	Predicting the net carbon exchanges of crop rotations in Europe with an agro-ecosystem model. <i>Agriculture, Ecosystems and Environment</i> , 2010, 139, 384-395.	5.3	42

#	ARTICLE	IF	CITATIONS
37	An Analytical Model of Evaporation Efficiency for Unsaturated Soil Surfaces with an Arbitrary Thickness. <i>Journal of Applied Meteorology and Climatology</i> , 2011, 50, 457-471.	1.5	41
38	Ancillary vegetation measurements at ICOS ecosystem stations. <i>International Agrophysics</i> , 2018, 32, 645-664.	1.7	35
39	Uncertainty analysis of computational methods for deriving sensible heat flux values from scintillometer measurements. <i>Atmospheric Measurement Techniques</i> , 2009, 2, 741-753.	3.1	33
40	Mesoscale modelling of the CO <sub>2</sub> and H <sub>2</sub> O fluxes; 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
41	Evaluation of a simple approach for crop evapotranspiration partitioning and analysis of the water budget distribution for several crop species. <i>Agricultural and Forest Meteorology</i> , 2013, 177, 46-56.	4.8	25
42	N <sub>2</sub> O flux measurements over an irrigated maize crop: A comparison of three methods. <i>Agricultural and Forest Meteorology</i> , 2019, 264, 56-72.	4.8	25
43	Importance of crop varieties and management practices: evaluation of a process-based model for simulating CO <sub>2</sub> and H <sub>2</sub> O fluxes at five European maize (&iZea mays) Tj ETQq1 1 0.784314 21 fGBT /Over	3.3	21
44	Estimation of daily CO <sub>2</sub> 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. <i>Geoderma</i> , 2020, 376, 114428.	5.1	19
45	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. <i>Remote Sensing</i> , 2021, 13, 5115.	4.0	18
46	Extracting Soil Water Holding Capacity Parameters of a Distributed Agro-Hydrological Model from High Resolution Optical Satellite Observations Series. <i>Remote Sensing</i> , 2016, 8, 154.	4.0	16
47	Varying applicability of four different satellite-derived soil moisture products to global gridded crop model evaluation. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 48, 51-60.	2.8	16
48	Observed volatilization fluxes of S-metolachlor and benoxacor applied on soil with and without crop residues. <i>Environmental Science and Pollution Research</i> , 2017, 24, 3985-3996.	5.3	15
49	Synergy of Sentinel-1 and Sentinel-2 Imagery for Early Seasonal Agricultural Crop Mapping. <i>Remote Sensing</i> , 2021, 13, 4891.	4.0	14
50	Agro-hydrology and multi-temporal high-resolution remote sensing: toward an explicit spatial processes calibration. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 5219-5237.	4.9	13
51	Improved methodology to quantify the temperature sensitivity of the soil heterotrophic respiration in croplands. <i>Geoderma</i> , 2017, 296, 18-29.	5.1	13
52	CO <sub>2</sub> budgeting at the regional scale using a Lagrangian experimental strategy and meso-scale modeling. <i>Biogeosciences</i> , 2009, 6, 113-127.	3.3	12
53	Simulating the net ecosystem CO <sub>2</sub> exchange and its components over winter wheat cultivation sites across a large climate gradient in Europe using the ORCHIDEE-STICS generic model. <i>Agriculture, Ecosystems and Environment</i> , 2016, 226, 1-17.	5.3	11
54	Building a shared vision of the future for multifunctional agricultural landscapes. Lessons from a long term socio-ecological research site in south-western France. <i>Advances in Ecological Research</i> , 2021, , 57-106.	2.7	10

#	ARTICLE	IF	CITATIONS
55	Eddy Covariance Measurements over Crops. , 2012, , 319-331.		9
56	Ability of a soil-vegetation-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
57	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
58	Surface energy balance and flux partitioning of annual crops in southwestern France. Agricultural and Forest Meteorology, 2021, 308-309, 108529.	4.8	8
59	Importance of reporting ancillary site characteristics, and management and disturbance information at ICOS stations. International Agrophysics, 2018, 32, 457-469.	1.7	8
60	Predicting water balance of wheat and crop rotations with a simple model: AqYield. Agricultural and Forest Meteorology, 2018, 262, 412-422.	4.8	6
61	Environmental control of land-atmosphere CO <sub>2</sub> 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
62	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
63	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
64	A Surface Albedo Product at High Spatial Resolution from a Combination of Sentinel-2 and Landsat-8 Observations. , 2018, , .		1