

Carmen Emmel

List of Publications by Year in Descending Order

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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.

12 papers	358 citations	8 h-index	18 g-index
18 ext. papers	479 ext. citations	6.6 avg, IF	2.91 L-index

#	Paper	IF	Citations
12	Canopy photosynthesis of six major arable crops is enhanced under diffuse light due to canopy architecture. <i>Global Change Biology</i> , 2020 , 26, 5164-5177	11.4	23
11	Estimating cropland carbon fluxes: A process-based model evaluation at a Swiss crop-rotation site. <i>Field Crops Research</i> , 2019 , 234, 95-106	5.5	3
10	Vertical patterns of photosynthesis and related leaf traits in two contrasting agricultural crops. <i>Functional Plant Biology</i> , 2019 , 46, 213-227	2.7	8
9	Solar-induced chlorophyll fluorescence exhibits a universal relationship with gross primary productivity across a wide variety of biomes. <i>Global Change Biology</i> , 2019 , 25, e4	11.4	16
8	Solar-induced chlorophyll fluorescence is strongly correlated with terrestrial photosynthesis for a wide variety of biomes: First global analysis based on OCO-2 and flux tower observations. <i>Global Change Biology</i> , 2018 , 24, 3990-4008	11.4	143
7	Integrated management of a Swiss cropland is not sufficient to preserve its soil carbon pool in the long term. <i>Biogeosciences</i> , 2018 , 15, 5377-5393	4.6	12
6	Estimation of high-resolution terrestrial evapotranspiration from Landsat data using a simple Taylor skill fusion method. <i>Journal of Hydrology</i> , 2017 , 553, 508-526	6	26
5	Effects of vernal equinox solar eclipse on temperature and wind direction in Switzerland. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 14887-14904	6.8	7
4	Simulating the net ecosystem CO ₂ 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	5.7	7
3	Rainfall interception and the coupled surface water and energy balance. <i>Agricultural and Forest Meteorology</i> , 2015 , 214-215, 402-415	5.8	98
2	Vertical distribution of carbon dioxide sources and sinks in a recovering mountain pine beetle-attacked lodgepole pine stand. <i>Agricultural and Forest Meteorology</i> , 2014 , 195-196, 108-122	5.8	8
1	Vertical Distribution of Radiation and Energy Balance Partitioning Within and Above a Lodgepole Pine Stand Recovering from a Recent Insect Attack. <i>Boundary-Layer Meteorology</i> , 2013 , 149, 133-163	3.4	7