

# Carmen Emmel

## 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.

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	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> , <b>2018</b> , 24, 3990-4008	11.4	143
11	Rainfall interception and the coupled surface water and energy balance. <i>Agricultural and Forest Meteorology</i> , <b>2015</b> , 214-215, 402-415	5.8	98
10	Estimation of high-resolution terrestrial evapotranspiration from Landsat data using a simple Taylor skill fusion method. <i>Journal of Hydrology</i> , <b>2017</b> , 553, 508-526	6	26
9	Canopy photosynthesis of six major arable crops is enhanced under diffuse light due to canopy architecture. <i>Global Change Biology</i> , <b>2020</b> , 26, 5164-5177	11.4	23
8	Solar-induced chlorophyll fluorescence exhibits a universal relationship with gross primary productivity across a wide variety of biomes. <i>Global Change Biology</i> , <b>2019</b> , 25, e4	11.4	16
7	Integrated management of a Swiss cropland is not sufficient to preserve its soil carbon pool in the long term. <i>Biogeosciences</i> , <b>2018</b> , 15, 5377-5393	4.6	12
6	Vertical patterns of photosynthesis and related leaf traits in two contrasting agricultural crops. <i>Functional Plant Biology</i> , <b>2019</b> , 46, 213-227	2.7	8
5	Vertical distribution of carbon dioxide sources and sinks in a recovering mountain pine beetle-attacked lodgepole pine stand. <i>Agricultural and Forest Meteorology</i> , <b>2014</b> , 195-196, 108-122	5.8	8
4	Effects of vernal equinox solar eclipse on temperature and wind direction in Switzerland. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 14887-14904	6.8	7
3	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> , <b>2013</b> , 149, 133-163	3.4	7
2	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> , <b>2016</b> , 226, 1-17	5.7	7
1	Estimating cropland carbon fluxes: A process-based model evaluation at a Swiss crop-rotation site. <i>Field Crops Research</i> , <b>2019</b> , 234, 95-106	5.5	3