

Matteo Sottocornola

List of Publications by Year in descending order

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17
papers

2,319
citations

567281

15
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

4694
citing authors

#	ARTICLE	IF	CITATIONS
1	Global patterns of land-atmosphere fluxes of carbon dioxide, latent heat, and sensible heat derived from eddy covariance, satellite, and meteorological observations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	933
2	A data-driven analysis of energy balance closure across FLUXNET research sites: The role of landscape scale heterogeneity. <i>Agricultural and Forest Meteorology</i> , 2013, 171-172, 137-152.	4.8	424
3	The uncertain climate footprint of wetlands under human pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4594-4599.	7.1	171
4	Rainfall interception and the coupled surface water and energy balance. <i>Agricultural and Forest Meteorology</i> , 2015, 214-215, 402-415.	4.8	130
5	How strong is the current carbon sequestration of an Atlantic blanket bog?. <i>Global Change Biology</i> , 2011, 17, 309-319.	9.5	121
6	Climatic controls and ecosystem responses drive the inter-annual variability of the net ecosystem exchange of an alpine meadow. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 1233-1243.	4.8	113
7	Seasonal variation of DOC concentration and annual loss of DOC from an Atlantic blanket bog in South Western Ireland. <i>Biogeochemistry</i> , 2009, 95, 231-242.	3.5	68
8	Estimating net ecosystem exchange in a patterned ecosystem: Example from blanket bog. <i>Agricultural and Forest Meteorology</i> , 2006, 138, 231-243.	4.8	61
9	Meteorological and functional response partitioning to explain interannual variability of CO ₂ exchange at an Irish Atlantic blanket bog. <i>Agricultural and Forest Meteorology</i> , 2014, 194, 8-19.	4.8	53
10	Vegetation and environmental variation in an Atlantic blanket bog in South-western Ireland. <i>Plant Ecology</i> , 2009, 203, 69-81.	1.6	43
11	ORCHIDEE-PEAT (revision 4596), a model for northern peatland CO ₂ , water, and energy fluxes on daily to annual scales. <i>Geoscientific Model Development</i> , 2018, 11, 497-519.	3.6	43
12	Hydro-meteorological controls on the CO ₂ exchange variation in an Irish blanket bog. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 287-297.	4.8	41
13	A palaeoecological perspective for the conservation and restoration of wetland plant communities in the central French Alps, with particular emphasis on alder carr vegetation. <i>Review of Palaeobotany and Palynology</i> , 2012, 171, 124-139.	1.5	38
14	An Atlantic blanket bog is a modest CO ₂ sink. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	37
15	Energy fluxes and evaporation mechanisms in an Atlantic blanket bog in southwestern Ireland. <i>Water Resources Research</i> , 2010, 46, .	4.2	26
16	Bayesian optimization of a light use efficiency model for the estimation of daily gross primary productivity in a range of Italian forest ecosystems. <i>Ecological Modelling</i> , 2015, 306, 57-66.	2.5	14
17	Bayesian calibration of simple forest models with multiplicative mathematical structure: A case study with two Light Use Efficiency models in an alpine forest. <i>Ecological Modelling</i> , 2018, 371, 90-100.	2.5	3