Sigrid Dengel

List of Publications by Year
in descending order

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19	1,089	623734	888059
papers	citations	14 h-index	17 g-index

22	22	22	2312
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The ABCflux database: Arcticâ€“boreal CO₂ flux observations and ancillary information aggregated to monthly time steps across terrestrial ecosystems. Earth System Science Data, 2022, 14, 179-208.	9.9	22
2	FLUXNET-CH₄: a global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands. Earth System Science Data, 2021, 13, 3607-3689.	9.9	79
3	High-Resolution Spatio-Temporal Estimation of Net Ecosystem Exchange in Ice-Wedge Polygon Tundra Using In Situ Sensors and Remote Sensing Data. Land, 2021, 10, 722.	2.9	4
4	Influence of Tundra Polygon Type and Climate Variability on CO₂ and CH₄ Fluxes Near Utqiagvik, Alaska. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006262.	3.0	1
5	Inter- and intra-annual dynamics of photosynthesis differ between forest floor vegetation and tree canopy in a subarctic Scots pine stand. Agricultural and Forest Meteorology, 2019, 271, 1-11.	4.8	26
6	Prediction of photosynthesis in Scots pine ecosystems across Europe by a needle-level theory. Atmospheric Chemistry and Physics, 2018, 18, 13321-13328.	4.9	0
7	Importance of reporting ancillary site characteristics, and management and disturbance information at ICOS stations. International Agrophysics, 2018, 32, 457-469.	1.7	8
8	Early snowmelt significantly enhances boreal springtime carbon uptake. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11081-11086.	7.1	84
9	Net ecosystem exchange and energy fluxes measured with the eddy covariance technique in a western Siberian bog. Atmospheric Chemistry and Physics, 2017, 17, 9333-9345.	4.9	31
10	Year-round CH₄ and CO₂ flux dynamics in two contrasting freshwater ecosystems of the subarctic. Biogeosciences, 2017, 14, 5189-5216.	3.3	55
11	Cold season emissions dominate the Arctic tundra methane budget. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 40-45.	7.1	278
12	Large methane emissions from a subarctic lake during spring thaw: Mechanisms and landscape significance. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 2289-2305.	3.0	70
13	Transmissivity of solar radiation within a <i>Picea sitchensis</i> stand under various sky conditions. Biogeosciences, 2015, 12, 4195-4207.	3.3	25
14	A prominent stepwise advance of the tree line in northâ€east Finland. Journal of Ecology, 2014, 102, 1582-1591.	4.0	29
15	Spectral characteristics of pine needles at the limit of tree growth in subarctic Finland. Plant Ecology and Diversity, 2013, 6, 31-44.	2.4	8
16	Testing the applicability of neural networks as a gap-filling method using CH₄ flux data from high latitude wetlands. Biogeosciences, 2013, 10, 8185-8200.	3.3	78
17	Methane emissions from sheep pasture, measured with an openâ€path eddy covariance system. Global Change Biology, 2011, 17, 3524-3533.	9.5	78
18	Carbon dioxide exchange and canopy conductance of two coniferous forests under various sky conditions. Oecologia, 2010, 164, 797-808.	2.0	58

#	Article	IF	Citations
19	A relationship between galactic cosmic radiation and tree rings. New Phytologist, 2009, 184, 545-551.	7.3	29