

Sigrid Dengel

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,089
citations

623734

14
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

2312
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | FLUXNET-CH ₄ : a global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands. Earth System Science Data, 2021, 13, 3607-3689. | 9.9 | 79 |
| 4 | Methane emissions from sheep pasture, measured with an open-path eddy covariance system. Global Change Biology, 2011, 17, 3524-3533. | 9.5 | 78 |
| 5 | Testing the applicability of neural networks as a gap-filling method using CH ₄ flux data from high latitude wetlands. Biogeosciences, 2013, 10, 8185-8200. | 3.3 | 78 |
| 6 | 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 |
| 7 | Carbon dioxide exchange and canopy conductance of two coniferous forests under various sky conditions. Oecologia, 2010, 164, 797-808. | 2.0 | 58 |
| 8 | Year-round CH ₄ and CO ₂ flux dynamics in two contrasting freshwater ecosystems of the subarctic. Biogeosciences, 2017, 14, 5189-5216. | 3.3 | 55 |
| 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 | A relationship between galactic cosmic radiation and tree rings. New Phytologist, 2009, 184, 545-551. | 7.3 | 29 |
| 11 | A prominent stepwise advance of the tree line in north-east Finland. Journal of Ecology, 2014, 102, 1582-1591. | 4.0 | 29 |
| 12 | 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 |
| 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 | The ABCflux database: Arctic boreal CO ₂ flux observations and ancillary information aggregated to monthly time steps across terrestrial ecosystems. Earth System Science Data, 2022, 14, 179-208. | 9.9 | 22 |
| 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 | Importance of reporting ancillary site characteristics, and management and disturbance information at ICOS stations. International Agrophysics, 2018, 32, 457-469. | 1.7 | 8 |
| 17 | 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 |
| 18 | Influence of Tundra Polygon Type and Climate Variability on CO ₂ and CH ₄ Fluxes Near Utqiagvik, Alaska. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006262. | 3.0 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |