Mikkel P Tamstorf

List of Publications by Year
in descending order

46	3,285	201575	243529
papers	citations	27 h-index	44 g-index

47	47	47	4885
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ecological Dynamics Across the Arctic Associated with Recent Climate Change. Science, 2009, 325, 1355-1358.	6.0	1,043
2	Large tundra methane burst during onset of freezing. Nature, 2008, 456, 628-630.	13.7	283
3	Long-term CO2 production following permafrost thaw. Nature Climate Change, 2013, 3, 890-894.	8.1	186
4	The uncertain climate footprint of wetlands under human pressure. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4594-4599.	3.3	171
5	Present-Day Climate at Zackenberg. Advances in Ecological Research, 2008, , 111-149.	1.4	103
6	Revisiting factors controlling methane emissions from high-Arctic tundra. Biogeosciences, 2013, 10, 5139-5158.	1.3	103
7	Soil and Plant Community-Characteristics and Dynamics at Zackenberg. Advances in Ecological Research, 2008, 40, 223-248.	1.4	99
8	Multi-Decadal Changes in Tundra Environments and Ecosystems: Synthesis of the International Polar Year-Back to the Future Project (IPY-BTF). Ambio, 2011, 40, 705-716.	2.8	98
9	Landâ€atmosphere exchange of methane from soil thawing to soil freezing in a highâ€<scp>A</scp>rctic wet tundra ecosystem. Global Change Biology, 2012, 18, 1928-1940.	4.2	89
10	Effects of snow cover on the timing and success of reproduction in high-Arctic pink-footed geese Anser brachyrhynchus. Polar Biology, 2007, 30, 1363-1372.	0.5	84
11	Seasonal Variation in Gross Ecosystem Production, Plant Biomass, and Carbon and Nitrogen Pools in Five High Arctic Vegetation Types. Arctic, Antarctic, and Alpine Research, 2009, 41, 164-173.	0.4	71
12	Storage, Landscape Distribution, and Burial History of Soil Organic Matter in Contrasting Areas of Continuous Permafrost. Arctic, Antarctic, and Alpine Research, 2015, 47, 71-88.	0.4	71
13	Trends in CO₂ exchange in a high Arctic tundra heath, 2000â€“2010. Journal of Geophysical Research, 2012, 117, .	3.3	63
14	Camera derived vegetation greenness index as proxy for gross primary production in a low Arctic wetland area. ISPRS Journal of Photogrammetry and Remote Sensing, 2013, 86, 89-99.	4.9	59
15	Snow-vegetation relations in a High Arctic ecosystem: Inter-annual variability inferred from new monitoring and modeling concepts. Remote Sensing of Environment, 2006, 105, 237-247.	4.6	55
16	Estimating colony area and population size of little auks Alle alle at Northumberland Island using aerial images. Polar Biology, 2003, 26, 8-13.	0.5	45
17	Predicting Habitat Utilization and Extent of Ecosystem Disturbance by an Increasing Herbivore Population. Ecosystems, 2009, 12, 349-359.	1.6	43
18	Spatiotemporal Characteristics of Seasonal Snow Cover in Northeast Greenland from in Situ Observations. Arctic, Antarctic, and Alpine Research, 2016, 48, 653-671.	0.4	43

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19	Inter-Annual Variability and Controls of Plant Phenology and Productivity at Zackenberg. Advances in Ecological Research, 2008, 40, 249-273.	1.4	41
20	Mercury exports from a High-Arctic river basin in Northeast Greenland (74Â°N) largely controlled by glacial lake outburst floods. Science of the Total Environment, 2015, 514, 83-91.	3.9	39
21	Snow conditions as an estimator of the breeding output in high-Arctic pink-footed geese Anser brachyrhynchus. Polar Biology, 2014, 37, 1-14.	0.5	37
22	Exchange of CO₂ in Arctic tundra: impacts of meteorological variations and biological disturbance. Biogeosciences, 2017, 14, 4467-4483.	1.3	37
23	Quantifying Episodic Snowmelt Events in Arctic Ecosystems. Ecosystems, 2015, 18, 839-856.	1.6	32
24	High-resolution satellite data reveal an increase in peak growing season gross primary production in a high-Arctic wet tundra ecosystem 1992â€“2008. International Journal of Applied Earth Observation and Geoinformation, 2012, 18, 407-416.	1.4	31
25	Quantifying snow controls on vegetation greenness. Ecosphere, 2018, 9, e02309.	1.0	31
26	Where might the western Svalbard tundra be vulnerable to pinkâ€footed goose (<i>Anser) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td Distributions, 2008, 14, 26-37.	1.9	30
27	Snow and Snow-Cover in Central Northeast Greenland. Advances in Ecological Research, 2008, 40, 175-195.	1.4	30
28	Snowpack fluxes of methane and carbon dioxide from high Arctic tundra. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 2886-2900.	1.3	26
29	Characteristics of summer-time energy exchange in a high Arctic tundra heath 2000â€“2010. Tellus, Series B: Chemical and Physical Meteorology, 2022, 66, 21631.	0.8	25
30	Modelling of growing season methane fluxes in a high-Arctic wet tundra ecosystem 1997â€“2010 using in situ and high-resolution satellite data. Tellus, Series B: Chemical and Physical Meteorology, 2013, 65, 19722.	0.8	24
31	Evaluation of terrestrial pan-Arctic carbon cycling using a data-assimilation system. Earth System Dynamics, 2019, 10, 233-255.	2.7	21
32	Mercury Transport in a Low-Arctic River in Kobbefjord, West Greenland (64Â° N). Water, Air, and Soil Pollution, 2012, 223, 4333-4342.	1.1	20
33	Assessing the spatial variability in peak season CO₂ exchange characteristics across the Arctic tundra using a light response curve parameterization. Biogeosciences, 2014, 11, 4897-4912.	1.3	20
34	Long-Term Effects of Grazing and Global Warming on the Composition and Carrying Capacity of Graminoid Marshes for Moulting Geese in East Greenland. Ambio, 2011, 40, 638-649.	2.8	17
35	Spectral measures and mixed models as valuable tools for investigating controls on land surface phenology in high arctic Greenland. BMC Ecology, 2007, 7, 9.	3.0	15
36	Suitability, success and sinks: how do predictions of nesting distributions relate to fitness parameters in high arctic waders?. Diversity and Distributions, 2013, 19, 1496-1505.	1.9	15

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37	Mercury (Hg) Transport in a High Arctic River in Northeast Greenland. Water, Air, and Soil Pollution, 2011, 222, 233-242.	1.1	14
38	Estimations of moisture content in the active layer in an Arctic ecosystem by using ground-penetrating radar profiling. Journal of Applied Geophysics, 2012, 79, 100-106.	0.9	14
39	Modelling critical caribou summer ranges in West Greenland. Polar Biology, 2005, 28, 714-724.	0.5	11
40	Plant Traits are Key Determinants in Buffering the Meteorological Sensitivity of Net Carbon Exchanges of Arctic Tundra. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 2675-2694.	1.3	11
41	Zackenberg in a Circumpolar Context. Advances in Ecological Research, 2008, , 499-544.	1.4	9
42	Quantifying Snow and Vegetation Interactions in the High Arctic Based on Ground Penetrating Radar (GPR). Arctic, Antarctic, and Alpine Research, 2013, 45, 201-210.	0.4	9
43	Temporal trends and variability in a high-arctic ecosystem in Greenland: multidimensional analyses of limnic and terrestrial ecosystems. Polar Biology, 2014, 37, 1073-1082.	0.5	8
44	Seismic characterization of a rapidly-rising jÃ¶kulhlaup cycle at the A.P. Olsen Ice Cap, NE-Greenland. Journal of Glaciology, 2020, 66, 329-347.	1.1	5
45	Using ground penetrating radar to estimate active layer moisture conditions in the Arctic. , 2010, , .		3
46	Mapping of permafrost surface and active layer properties using GPR: A comparison of frequency dependencies. , 2011, , .		0