Daan Blok

List of Publications by Year in descending order

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36 papers	4,317 citations	218592 26 h-index	377752 34 g-index
36 all docs	36 docs citations	36 times ranked	5692 citing authors

#	Article	IF	Citations
1	Winters are changing: snow effects on Arctic and alpine tundra ecosystems. Arctic Science, 2022, 8, 572-608.	0.9	43
2	Effects of experimental warming on Betula nana epidermal cell growth tested over its maximum climatological growth range. PLoS ONE, 2021, 16, e0251625.	1.1	5
3	Shallow soils are warmer under trees and tall shrubs across Arctic and Boreal ecosystems. Environmental Research Letters, 2021, 16, 015001.	2.2	39
4	Divergence of Arctic shrub growth associated with sea ice decline. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 33334-33344.	3.3	43
5	Lability classification of soil organic matter in the northern permafrost region. Biogeosciences, 2020, 17, 361-379.	1.3	23
6	Complexity revealed in the greening of the Arctic. Nature Climate Change, 2020, 10, 106-117.	8.1	447
7	Traditional plant functional groups explain variation in economic but not sizeâ€•related traits across the tundra biome. Global Ecology and Biogeography, 2019, 28, 78-95.	2.7	49
8	Temperature sensitivity of willow dwarf shrub growth from two distinct High Arctic sites. International Journal of Biometeorology, 2019, 63, 167-181.	1.3	13
9	Short and Longâ€Term Controls on Active Layer and Permafrost Carbon Turnover Across the Arctic. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 372-390.	1.3	21
10	Contrasting aboveâ€•and belowground organic matter decomposition and carbon and nitrogen dynamics in response to warming in High Arctic tundra. Global Change Biology, 2018, 24, 2660-2672.	4.2	20
11	Tundra Trait Team: A database of plant traits spanning the tundra biome. Global Ecology and Biogeography, 2018, 27, 1402-1411.	2.7	57
12	Plant functional trait change across a warming tundra biome. Nature, 2018, 562, 57-62.	13.7	451
13	Reviews and syntheses: Changing ecosystem influences on soil thermal regimes in northern high-latitude permafrost regions. Biogeosciences, 2018, 15, 5287-5313.	1.3	143
14	Patchy field sampling biases understanding of climate change impacts across the Arctic. Nature Ecology and Evolution, 2018, 2, 1443-1448.	3.4	112
15	Enhanced summer warming reduces fungal decomposer diversity and litter mass loss more strongly in dry than in wet tundra. Global Change Biology, 2017, 23, 406-420.	4.2	71
16	High Arctic summer warming tracked by increased Cassiope tetragona growth in the world's northernmost polar desert. Global Change Biology, 2017, 23, 5006-5020.	4.2	38
17	Arctic Soil Microbial Sensitivity to Seasonal Dynamics and Climate Change. , 2017, , 275-307.		2
18	Thaw pond development and initial vegetation succession in experimental plots at a Siberian lowland tundra site. Plant and Soil, 2017, 420, 147-162.	1.8	19

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19	Leaf anatomy, BVOC emission and CO₂exchange of arctic plants following snow addition and summer warming. Annals of Botany, 2017, 119, 433-445.	1.4	27
20	Aboveâ€•and belowâ€ground responses of four tundra plant functional types to deep soil heating and surface soil fertilization. Journal of Ecology, 2017, 105, 947-957.	1.9	49
21	Fourfold higher tundra volatile emissions due to arctic summer warming. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 895-902.	1.3	41
22	The role of summer precipitation and summer temperature in establishment and growth of dwarf shrub Betula nana in northeast Siberian tundra. Polar Biology, 2016, 39, 1245-1255.	0.5	24
23	Initial Stages of Tundra Shrub Litter Decomposition May Be Accelerated by Deeper Winter Snow But Slowed Down by Spring Warming. Ecosystems, 2016, 19, 155-169.	1.6	63
24	Thermokarst dynamics and soil organic matter characteristics controlling initial carbon release from permafrost soils in the Siberian Yedoma region. Sedimentary Geology, 2016, 340, 38-48.	1.0	52
25	Deepened winter snow increases stem growth and alters stem Î´ ¹³ C and Î´ ¹⁵ N in evergreen dwarf shrub Cassiope tetragona in high-arctic Svalbard tundra. Environmental Research Letters, 2015, 10, 044008.	2.2	39
26	Climate sensitivity of shrub growth across the tundra biome. Nature Climate Change, 2015, 5, 887-891.	8.1	447
27	Permafrost collapse after shrub removal shifts tundra ecosystem to a methane source. Nature Climate Change, 2015, 5, 67-70.	8.1	147
28	Methods for measuring arctic and alpine shrub growth: A review. Earth-Science Reviews, 2015, 140, 1-13.	4.0	112
29	Tundra in the Rain: Differential Vegetation Responses to Three Years of Experimentally Doubled Summer Precipitation in Siberian Shrub and Swedish Bog Tundra. Ambio, 2012, 41, 269-280.	2.8	30
30	Spectral Estimation of Soil Properties in Siberian Tundra Soils and Relations with Plant Species Composition. Applied and Environmental Soil Science, 2012, 2012, 1-13.	0.8	13
31	Shrub expansion in tundra ecosystems: dynamics, impacts and research priorities. Environmental Research Letters, 2011, 6, 045509.	2.2	1,021
32	What are the main climate drivers for shrub growth in Northeastern Siberian tundra?. Biogeosciences, 2011, 8, 1169-1179.	1.3	147
33	The Cooling Capacity of Mosses: Controls on Water and Energy Fluxes in a Siberian Tundra Site. Ecosystems, 2011, 14, 1055-1065.	1.6	116
34	The response of Arctic vegetation to the summer climate: relation between shrub cover, NDVI, surface albedo and temperature. Environmental Research Letters, 2011, 6, 035502.	2.2	126
35	Shrub expansion may reduce summer permafrost thaw in Siberian tundra. Global Change Biology, 2010, 16, 1296-1305.	4.2	267
36	North Atlantic Oscillation seesaw effect in leaf morphological records from dwarf birch shrubs in Greenland and Finland. Polar Research, 0, 40, .	1.6	0