Thomas C Parker

List of Publications by Year
in descending order

18 papers	836 citations	933447 10 h-index	940533 16 g-index
18 all docs	18 docs citations	18 times ranked	1791 citing authors

#	Article	IF	Citations
1	Complexity revealed in the greening of the Arctic. Nature Climate Change, 2020, 10, 106-117.	18.8	447
2	Rapid carbon turnover beneath shrub and tree vegetation is associated with low soil carbon stocks at a subarctic treeline. Global Change Biology, 2015, 21, 2070-2081.	9.5	110
3	Tree planting in organic soils does not result in net carbon sequestration on decadal timescales. Global Change Biology, 2020, 26, 5178-5188.	9.5	61
4	Exploring drivers of litter decomposition in a greening Arctic: results from a transplant experiment across a treeline. Ecology, 2018, 99, 2284-2294.	3.2	38
5	Short term changes in moisture content drive strong changes in Normalized Difference Vegetation Index and gross primary productivity in four Arctic moss communities. Remote Sensing of Environment, 2018, 212, 114-120.	11.0	35
6	Slowed Biogeochemical Cycling in Sub-arctic Birch Forest Linked to Reduced Mycorrhizal Growth and Community Change after a Defoliation Event. Ecosystems, 2017, 20, 316-330.	3.4	29
7	Shrub expansion in the Arctic may induce largeâ€scale carbon losses due to changes in plantâ€soil interactions. Plant and Soil, 2021, 463, 643-651.	3.7	28
8	Ecotypic differences in the phenology of the tundra species Eriophorum vaginatum reflect sites of origin. Ecology and Evolution, 2017, 7, 9775-9786.	1.9	19
9	Differential responses of ecotypes to climate in a ubiquitous Arctic sedge: implications for future ecosystem C cycling. New Phytologist, 2019, 223, 180-192.	7.3	16
10	Rhizosphere allocation by canopyâ€forming species dominates soil CO₂ efflux in a subarctic landscape. New Phytologist, 2020, 227, 1818-1830.	7.3	16
11	Biogenic silica accumulation varies across tussock tundra plant functional type. Functional Ecology, 2017, 31, 2177-2187.	3.6	10
12	Spatial patterns in soil organic matter dynamics are shaped by mycorrhizosphere interactions in a treeline forest. Plant and Soil, 2020, 447, 521-535.	3.7	8
13	Predicting Soil Respiration from Plant Productivity (NDVI) in a Sub-Arctic Tundra Ecosystem. Remote Sensing, 2021, 13, 2571.	4.0	6
14	Responses of root phenology in ecotypes of Eriophorum vaginatum to transplantation and warming in the Arctic. Science of the Total Environment, 2022, 805, 149926.	8.0	5
15	Intraspecific variation in phenology offers resilience to climate change for <i>Eriophorum vaginatum</i>. Arctic Science, 2022, 8, 935-951.	2.3	4
16	Rootâ€associated fungi and carbon storage in Arctic ecosystems. New Phytologist, 2020, 226, 8-10.	7.3	3
17	Interspecific and intraspecific variation in leaf toughness of Arctic plants in relation to habitat and nutrient supply. Arctic Science, 0, , 1-15.	2.3	1
18	Whole-crown 13C-pulse labelling in a sub-arctic woodland to target canopy-specific carbon fluxes. Trees - Structure and Function, 0, , 1.	1.9	0