Matthias B Siewert

List of Publications by Year
in descending order

12	627	1040056 9	1125743 13
papers	citations	h-index	g-index

13	13	13	1365
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Large stocks of peatland carbon and nitrogen are vulnerable to permafrost thaw. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20438-20446.	7.1	307
2	Comparing carbon storage of Siberian tundra and taiga permafrost ecosystems at very high spatial resolution. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1973-1994.	3.0	90
3	High-resolution digital mapping of soil organic carbon in permafrost terrain using machine learning: a case study in a sub-Arctic peatland environment. Biogeosciences, 2018, 15, 1663-1682.	3.3	67
4	PeRL: aÂcircum-Arctic Permafrost Region Pond andÂLakeÂdatabase. Earth System Science Data, 2017, 9, 317-348.	9.9	62
5	Drivers of dissolved organic carbon export in a subarctic catchment: Importance of microbial decomposition, sorption-desorption, peatland and lateral flow. Science of the Total Environment, 2018, 622-623, 260-274.	8.0	20
6	Scale-dependency of Arctic ecosystem properties revealed by UAV. Environmental Research Letters, 2020, 15, 094030.	5.2	18
7	Rhizosphere allocation by canopyâ€forming species dominates soil CO₂ efflux in a subarctic landscape. New Phytologist, 2020, 227, 1818-1830.	7.3	16
8	Hot trends and impact in permafrost science. Permafrost and Periglacial Processes, 2020, 31, 461-471.	3.4	14
9	UAV reveals substantial but heterogeneous effects of herbivores on Arctic vegetation. Scientific Reports, 2021, 11, 19468.	3.3	9
10	Towards a Monitoring Approach for Understanding Permafrost Degradation and Linked Subsidence in Arctic Peatlands. Remote Sensing, 2022, 14, 444.	4.0	8
11	â€œFrozen-Ground Cartoonsâ€• Permafrost comics as an innovative tool for polar outreach, education, and engagement. Polar Record, 2018, 54, 366-372.	0.8	6
12	Predicting Soil Respiration from Plant Productivity (NDVI) in a Sub-Arctic Tundra Ecosystem. Remote Sensing, 2021, 13, 2571.	4.0	6