

# Matthias B Siewert

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11625702/publications.pdf>

Version: 2024-02-01

12  
papers

627  
citations

1040056

9  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

1365  
citing authors

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