

Gerald V Frost

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,611
citations

430874

18
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

2298
citing authors

#	ARTICLE	IF	CITATIONS
1	Pan-Arctic ice-wedge degradation in warming permafrost and its influence on tundra hydrology. <i>Nature Geoscience</i> , 2016, 9, 312-318.	12.9	527
2	Tall shrub and tree expansion in Siberian tundra ecotones since the 1960s. <i>Global Change Biology</i> , 2014, 20, 1264-1277.	9.5	225
3	A raster version of the Circumpolar Arctic Vegetation Map (CAVM). <i>Remote Sensing of Environment</i> , 2019, 232, 111297.	11.0	108
4	Tundra vegetation change and impacts on permafrost. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 68-84.	29.7	87
5	Recent trends and remaining challenges for optical remote sensing of Arctic tundra vegetation: A review and outlook. <i>Remote Sensing of Environment</i> , 2020, 246, 111872.	11.0	82
6	Patterned-ground facilitates shrub expansion in Low Arctic tundra. <i>Environmental Research Letters</i> , 2013, 8, 015035.	5.2	81
7	Regional and landscape-scale variability of Landsat-observed vegetation dynamics in northwest Siberian tundra. <i>Environmental Research Letters</i> , 2014, 9, 025004.	5.2	54
8	Seasonal and Long-Term Changes to Active-Layer Temperatures after Tall Shrubland Expansion and Succession in Arctic Tundra. <i>Ecosystems</i> , 2018, 21, 507-520.	3.4	49
9	Feasibility of tundra vegetation height retrieval from Sentinel-1 and Sentinel-2 data. <i>Remote Sensing of Environment</i> , 2020, 237, 111515.	11.0	42
10	Shallow soils are warmer under trees and tall shrubs across Arctic and Boreal ecosystems. <i>Environmental Research Letters</i> , 2021, 16, 015001.	5.2	39
11	Regional Quantitative Cover Mapping of Tundra Plant Functional Types in Arctic Alaska. <i>Remote Sensing</i> , 2017, 9, 1024.	4.0	31
12	Drivers of Landscape Changes in Coastal Ecosystems on the Yukon-Kuskokwim Delta, Alaska. <i>Remote Sensing</i> , 2018, 10, 1280.	4.0	30
13	Multi-decadal patterns of vegetation succession after tundra fire on the Yukon-Kuskokwim Delta, Alaska. <i>Environmental Research Letters</i> , 2020, 15, 025003.	5.2	30
14	The Arctic. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, S239-S286.	3.3	29
15	Lichen cover mapping for caribou ranges in interior Alaska and Yukon. <i>Environmental Research Letters</i> , 2020, 15, 055001.	5.2	26
16	Regional Patterns and Asynchronous Onset of Ice-Wedge Degradation since the Mid-20th Century in Arctic Alaska. <i>Remote Sensing</i> , 2018, 10, 1312.	4.0	25
17	The Arctic. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, S263-S316.	3.3	23
18	The Roles of Climate Extremes, Ecological Succession, and Hydrology in Repeated Permafrost Aggradation and Degradation in Fens on the Tanana Flats, Alaska. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005824.	3.0	22

#	ARTICLE	IF	CITATIONS
19	Arctic riparian shrub expansion indicates a shift from streams gaining water to those that lose flow. <i>Communications Earth & Environment</i> , 2020, 1, .	6.8	15
20	Assessment of LiDAR and Spectral Techniques for High-Resolution Mapping of Sporadic Permafrost on the Yukon-Kuskokwim Delta, Alaska. <i>Remote Sensing</i> , 2018, 10, 258.	4.0	14
21	Climate drivers of Arctic tundra variability and change using an indicators framework. <i>Environmental Research Letters</i> , 2021, 16, 055019.	5.2	14
22	Remote Sensing of Tundra Ecosystems Using High Spectral Resolution Reflectance: Opportunities and Challenges. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	14
23	Thermokarst acceleration in Arctic tundra driven by climate change and fire disturbance. <i>One Earth</i> , 2021, 4, 1718-1729.	6.8	14
24	Time-series maps reveal widespread change in plant functional type cover across Arctic and boreal Alaska and Yukon. <i>Environmental Research Letters</i> , 2022, 17, 054042.	5.2	10
25	Is Alaska's Yukon-Kuskokwim Delta Greening or Browning? Resolving Mixed Signals of Tundra Vegetation Dynamics and Drivers in the Maritime Arctic. <i>Earth Interactions</i> , 2021, 25, 76-93.	1.5	7
26	Vegetation on mesic loamy and sandy soils along a 1700-km maritime Eurasia Arctic Transect. <i>Applied Vegetation Science</i> , 2019, 22, 150-167.	1.9	5
27	Spatial patterns of arctic tundra vegetation properties on different soils along the Eurasia Arctic Transect, and insights for a changing Arctic. <i>Environmental Research Letters</i> , 2021, 16, 014008.	5.2	5
28	Integrated terrain unit mapping on the Beaufort Coastal Plain, North Slope, Alaska, USA. <i>Landscape Ecology</i> , 2021, 36, 549-579.	4.2	3
29	ALASKA. <i>Madroño</i> , 2020, 66, 125.	0.4	0