Benoit Montpetit

List of Publications by Year
in descending order

18	458	759233	839539
papers	citations	12	18
		h-index	g-index

19	19	19	520
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	C- and L-band SAR signatures of Arctic sea ice during freeze-up. Remote Sensing of Environment, 2022, 279, 113129.	11.0	4
2	InSAR Monitoring of Arctic Landfast Sea Ice Deformation Using L-Band ALOS-2, C-Band Radarsat-2 and Sentinel-1. Remote Sensing, 2021, 13, 4570.	4.0	5
3	Characterizing marsh wetlands in the Great Lakes Basin with C-band InSAR observations. Remote Sensing of Environment, 2020, 242, 111750.	11.0	20
4	Presenting Snow Grain Size and Shape Distributions in Northern Canada Using a New Photographic Device Allowing 2D and 3D Representation of Snow Grains. Frontiers in Earth Science, 2020, 7, .	1.8	8
5	Characterizing the Great Lakes Coastal Wetlands with InSAR Observations from X-, C-, and L-Band Sensors. Canadian Journal of Remote Sensing, 2020, 46, 765-783.	2.4	6
6	Wetland Classification with Multi-Angle/Temporal SAR Using Random Forests. Remote Sensing, 2019, 11, 670.	4.0	36
7	Comparing L- and C-band synthetic aperture radar estimates of sea ice motion over different ice regimes. Remote Sensing of Environment, 2018, 204, 380-391.	11.0	29
8	In-situ passive microwave emission model parameterization of sub-arctic frozen organic soils. Remote Sensing of Environment, 2018, 205, 112-118.	11.0	12
9	Meteorological inventory of rain-on-snow events in the Canadian Arctic Archipelago and satellite detection assessment using passive microwave data. Physical Geography, 2018, 39, 428-444.	1.4	11
10	Assessment of the High Resolution SAR Mode of the RADARSAT Constellation Mission for First Year Ice and Multiyear Ice Characterization. Remote Sensing, 2018, 10, 594.	4.0	36
11	Assessment of the Barren Ground Caribou Dieâ€off During Winter 2015â€"2016 Using Passive Microwave Observations. Geophysical Research Letters, 2018, 45, 4908-4916.	4.0	7
12	Detection of rain-on-snow (ROS) events and ice layer formation using passive microwave radiometry: A context for Peary caribou habitat in the Canadian Arctic. Remote Sensing of Environment, 2017, 189, 84-95.	11.0	49
13	Improving Sea Ice Characterization in Dry Ice Winter Conditions Using Polarimetric Parameters from C- and L-Band SAR Data. Remote Sensing, 2017, 9, 1270.	4.0	25
14	Development of a rainâ€onâ€snow detection algorithm using passive microwave radiometry. Hydrological Processes, 2016, 30, 3184-3196.	2.6	27
15	Snow Microwave Emission Modeling of Ice Lenses Within a Snowpack Using the Microwave Emission Model for Layered Snowpacks. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 4705-4717.	6.3	54
16	Snow specific surface area simulation using the one-layer snow model in the Canadian LAnd Surface Scheme (CLASS). Cryosphere, 2013, 7, 961-975.	3.9	17
17	New shortwave infrared albedo measurements for snow specific surface area retrieval. Journal of Glaciology, 2012, 58, 941-952.	2.2	47
18	Coupling the snow thermodynamic model SNOWPACK with the microwave emission model of layered snowpacks for subarctic and arctic snow water equivalent retrievals. Water Resources Research, 2012, 48, .	4.2	65