Tracy L Rowlandson

List of Publications by Year
in descending order

23	1,251	623188	713013
papers	citations	14 h-index	21 g-index

23	23	23	1535
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sensitivity of C-Band SAR Polarimetric Variables to the Directionality of Surface Roughness Parameters. Remote Sensing, 2021, 13, 2210.	1.8	4
2	L-Band response to freeze/thaw in a boreal forest stand from ground- and tower-based radiometer observations. Remote Sensing of Environment, 2020, 237, 111542.	4.6	16
3	Comparing the Assimilation of SMOS Brightness Temperatures and Soil Moisture Products on Hydrological Simulation in the Canadian Land Surface Scheme. Remote Sensing, 2020, 12, 3405.	1.8	2
4	An 11-year (2007â€“2017) soil moisture and precipitation dataset from the Kenaston Network in the Brightwater Creek basin, Saskatchewan, Canada. Earth System Science Data, 2019, 11, 787-796.	3.7	30
5	Capturing agricultural soil freeze/thaw state through remote sensing and ground observations: A soil freeze/thaw validation campaign. Remote Sensing of Environment, 2018, 211, 59-70.	4.6	36
6	L-band radiometry freeze/ thaw validation using air temperature and ground measurements. Remote Sensing Letters, 2018, 9, 403-410.	0.6	13
7	GCOM-W AMSR2 Soil Moisture Product Validation Using Core Validation Sites. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 209-219.	2.3	44
8	The SMAP mission combined active-passive soil moisture product at 9â€¯km and 3â€¯km spatial resolutions. Remote Sensing of Environment, 2018, 211, 204-217.	4.6	59
9	Use of L-Band Ground-Based Radiometers for Freeze/Thaw Retrieval in A Boreal Forest Site. , 2018, , .		0
10	Assessing SMAP Soil Moisture Scaling and Retrieval in the Carman (Canada) Study Site. Vadose Zone Journal, 2018, 17, 1-14.	1.3	59
11	Comparing the Use of Terrestrial LiDAR Scanners and Pin Profilers for Deriving Agricultural Roughness Statistics. Canadian Journal of Remote Sensing, 2018, 44, 153-168.	1.1	6
12	Response of L-Band brightness temperatures to freeze/thaw and snow dynamics in a prairie environment from ground-based radiometer measurements. Remote Sensing of Environment, 2017, 191, 67-80.	4.6	50
13	Validation of the Soil Moisture Active Passive (SMAP) satellite soil moisture retrieval in an Arctic tundra environment. Geophysical Research Letters, 2017, 44, 4152-4158.	1.5	15
14	Assessment of the SMAP Level-4 Surface and Root-Zone Soil Moisture Product Using In Situ Measurements. Journal of Hydrometeorology, 2017, 18, 2621-2645.	0.7	196
15	Spatial Variability of L-Band Brightness Temperature during Freeze/Thaw Events over a Prairie Environment. Remote Sensing, 2017, 9, 894.	1.8	13
16	Assessment of the SMAP Passive Soil Moisture Product. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4994-5007.	2.7	460
17	Hyperresolution Land Surface Modeling in the Context of SMAP Calâ€“Val. Journal of Hydrometeorology, 2016, 17, 345-352.	0.7	13
18	Errors associated with estimating vegetation water content from radar for use in passive microwave brightness temperature algorithms. International Journal of Remote Sensing, 2015, 36, 782-796.	1.3	8

#	Article	IF	Citations
19	Use of in situ soil moisture network for estimating regional-scale soil moisture during high soil moisture conditions. Canadian Water Resources Journal, 2015, 40, 343-351.	0.5	17
20	Reconsidering Leaf Wetness Duration Determination for Plant Disease Management. Plant Disease, 2015, 99, 310-319.	0.7	114
21	Evaluation of L-Band passive microwave soil moisture for Canada. , 2014, , .		1
22	Evaluation of several calibration procedures for a portable soil moisture sensor. Journal of Hydrology, 2013, 498, 335-344.	2.3	77
23	Evaluating the Cloudeâ€“Pottier and Freemanâ€“Durden scattering decompositions for distinguishing between unharvested and post-harvest agricultural fields. Canadian Journal of Remote Sensing, 2013, 39, 318-327.	1.1	18