

# Catherine Champagne

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

657  
citations

687363

13  
h-index

794594

19  
g-index

22  
all docs

22  
docs citations

22  
times ranked

943  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating the utility of remotely sensed soil moisture for the characterization of runoff response over Canadian watersheds. <i>Canadian Water Resources Journal</i> , 2020, 45, 77-89.	1.2	4
2	Evaluation of Satellite-Derived Surface Soil Moisture Products over Agricultural Regions of Canada. <i>Remote Sensing</i> , 2020, 12, 1455.	4.0	8
3	Improving crop yield forecasts with satellite-based soil moisture estimates: An example for township level canola yield forecasts over the Canadian Prairies. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020, 89, 102092.	2.8	6
4	Field-Scale Crop Seeding Date Estimation from MODIS Data and Growing Degree Days in Manitoba, Canada. <i>Remote Sensing</i> , 2019, 11, 1760.	4.0	11
5	Impact of Soil Moisture Data Characteristics on the Sensitivity to Crop Yields Under Drought and Excess Moisture Conditions. <i>Remote Sensing</i> , 2019, 11, 372.	4.0	18
6	Canola yield sensitivity to climate indicators and passive microwave-derived soil moisture estimates in Saskatchewan, Canada. <i>Agricultural and Forest Meteorology</i> , 2019, 268, 354-362.	4.8	14
7	Object-based crop classification using multi-temporal SPOT-5 imagery and textural features with a Random Forest classifier. <i>Geocarto International</i> , 2018, 33, 1017-1035.	3.5	17
8	Corrections to "Image Classification Using RapidEye Data: Integration of Spectral and Textual Features in a Random Forest Classifier" [Dec 17 5334-5349]. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 2571-2571.	4.9	1
9	Estimating Regional Scale Hydroclimatic Risk Conditions from the Soil Moisture Active-Passive (SMAP) Satellite. <i>Geosciences (Switzerland)</i> , 2018, 8, 127.	2.2	4
10	Building the vegetation drought response index for Canada (VegDRI-Canada) to monitor agricultural drought: first results. <i>GIScience and Remote Sensing</i> , 2017, 54, 230-257.	5.9	37
11	Assessing the Impact of Climate Variability on Cropland Productivity in the Canadian Prairies Using Time Series MODIS FAPAR. <i>Remote Sensing</i> , 2016, 8, 281.	4.0	18
12	Satellite surface soil moisture from SMOS and Aquarius: Assessment for applications in agricultural landscapes. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 45, 143-154.	2.8	36
13	Spatial Variability Mapping of Crop Residue Using Hyperion (EO-1) Hyperspectral Data. <i>Remote Sensing</i> , 2015, 7, 8107-8127.	4.0	32
14	Evaluation of near-surface soil moisture data from an AAFC monitoring network in Manitoba, Canada: Implications for L-band satellite validation. <i>Journal of Hydrology</i> , 2015, 521, 582-592.	5.4	36
15	Monitoring Agricultural Risk in Canada Using L-Band Passive Microwave Soil Moisture from SMOS. <i>Journal of Hydrometeorology</i> , 2015, 16, 5-18.	1.9	38
16	Evaluation of L-Band passive microwave soil moisture for Canada. , 2014, , .		1
17	A bootstrap method for assessing classification accuracy and confidence for agricultural land use mapping in Canada. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2014, 29, 44-52.	2.8	37
18	The sensitivity of RADARSAT-2 polarimetric SAR data to corn and soybean leaf area index. <i>Canadian Journal of Remote Sensing</i> , 2011, 37, 69-81.	2.4	88

#	ARTICLE	IF	CITATIONS
19	Evaluation of soil moisture derived from passive microwave remote sensing over agricultural sites in Canada using ground-based soil moisture monitoring networks. International Journal of Remote Sensing, 2010, 31, 3669-3690.	2.9	53
20	Integration of RADARSAT-2 ScanSAR and AWiFS for operational agricultural land use monitoring over the Canadian prairies. , 2009, , .		2
21	The Contribution of ALOS PALSAR Multipolarization and Polarimetric Data to Crop Classification. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 3981-3992.	6.3	195
22	The value of SAR Multi-polarization data in delivering annual crop inventories. , 2007, , .		1