

Catherine Champagne

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2611622/publications.pdf>

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

#	ARTICLE	IF	CITATIONS
19	Integration of RADARSAT-2 ScanSAR and AWiFS for operational agricultural land use monitoring over the Canadian prairies. , 2009, , .		2
20	The value of SAR Multi-polarization data in delivering annual crop inventories. , 2007, , .		1
21	Evaluation of L-Band passive microwave soil moisture for Canada. , 2014, , .		1
22	Corrections to "Image Classification Using RapidEye Data: Integration of Spectral and Textual Features in a Random Forest Classifier" [Dec 17 5334-5349]. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2571-2571.	4.9	1