

# Heather McNairn

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

280  
citations

933447

10  
h-index

940533

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

228  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Generalized Volume Scattering Model-Based Vegetation Index From Polarimetric SAR Data. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1791-1795.	3.1	34
2	Quad and compact multitemporal C-band PolSAR observations for crop characterization and monitoring. International Journal of Applied Earth Observation and Geoinformation, 2019, 74, 78-87.	2.8	32
3	Crop biophysical parameter retrieval from Sentinel-1 SAR data with a multi-target inversion of Water Cloud Model. International Journal of Remote Sensing, 2020, 41, 5503-5524.	2.9	32
4	A Radar Vegetation Index for Crop Monitoring Using Compact Polarimetric SAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6321-6335.	6.3	30
5	A Comparison between Support Vector Machine and Water Cloud Model for Estimating Crop Leaf Area Index. Remote Sensing, 2021, 13, 1348.	4.0	23
6	Estimation of Crop Biomass and Leaf Area Index from Multitemporal and Multispectral Imagery Using Machine Learning Approaches. Canadian Journal of Remote Sensing, 2020, 46, 84-99.	2.4	21
7	Synthetic Aperture Radar (SAR) image processing for operational space-based agriculture mapping. International Journal of Remote Sensing, 2020, 41, 7112-7144.	2.9	21
8	Rice phenology mapping using novel target characterization parameters from polarimetric SAR data. International Journal of Remote Sensing, 2021, 42, 5515-5539.	2.9	16
9	C-band synthetic aperture radar (SAR) imagery for the classification of diverse cropping systems. International Journal of Remote Sensing, 2020, 41, 9628-9649.	2.9	12
10	Crop Biomass Mapping Based on Ecosystem Modeling at Regional Scale Using High Resolution Sentinel-2 Data. Remote Sensing, 2021, 13, 806.	4.0	11
11	Unsupervised Classification of Crop Growth Stages with Scattering Parameters from Dual-Pol Sentinel-1 SAR Data. Remote Sensing, 2021, 13, 4412.	4.0	11
12	Gaussian Process Regression Model for Crop Biophysical Parameter Retrieval from Multi-Polarized C-Band SAR Data. Remote Sensing, 2022, 14, 934.	4.0	11
13	Comparison between Dense L-Band and C-Band Synthetic Aperture Radar (SAR) Time Series for Crop Area Mapping over a NISAR Calibration-Validation Site. Agronomy, 2021, 11, 273.	3.0	9
14	Monitoring crop growth using a canopy structure dynamic model and time series of synthetic aperture radar (SAR) data. International Journal of Remote Sensing, 2021, 42, 6433-6460.	2.9	6
15	Regional Crop Characterization Using Multi-Temporal Optical and Synthetic Aperture Radar Earth Observations Data. Canadian Journal of Remote Sensing, 2022, 48, 258-277.	2.4	6
16	Decomposition-Based Soil Moisture Estimation Using UAVSAR Fully Polarimetric Images. Agronomy, 2021, 11, 145.	3.0	5
17	A multi-year cross-validation experiment for estimating rice plant area index (PAI) over the JECAM-India test site from simulated RADARSAT constellation mission (RCM) compact polarimetric SAR data. International Journal of Remote Sensing, 2021, 42, 9490-9522.	2.9	0