Michael J Collins

List of Publications by Year
in descending order

18	160	1163117 8	1125743 13
papers	citations	h-index	g-index

18	18	18	194
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Using class-based feature selection for the classification of hyperspectral data. International Journal of Remote Sensing, 2011, 32, 4311-4326.	2.9	25
2	Iceberg Detection Using Compact Polarimetric Synthetic Aperture Radar. Atmosphere - Ocean, 2012, 50, 437-446.	1.6	25
3	On the Design and Evaluation of Multiobjective Single-Channel SAR Image Segmentation Algorithms. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 1836-1846.	6.3	21
4	Speckle reduction for the forest mapping analysis of multi-temporal Radarsat-1 images. International Journal of Remote Sensing, 2012, 33, 1349-1359.	2.9	20
5	On the Effect of Polarization and Incidence Angle on the Estimation of Significant Wave Height From SAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4529-4543.	6.3	11
6	Iceberg Detection Using Simulated Dual-Polarized Radarsat Constellation Data. Canadian Journal of Remote Sensing, 2014, 40, 165-178.	2.4	10
7	On the Detection and Discrimination of Ships and Icebergs Using Simulated Dual-Polarized RADARSAT Constellation Data. Canadian Journal of Remote Sensing, 2015, 41, 363-379.	2.4	9
8	Ship detection performance using simulated dual-polarization RADARSAT constellation mission data. International Journal of Remote Sensing, 2015, 36, 1705-1727.	2.9	9
9	Estimating boreal forest species type with airborne polarimetric synthetic aperture radar. International Journal of Remote Sensing, 2011, 32, 2481-2505.	2.9	8
10	A pixelâ€based semiâ€empirical system for predicting vegetation diversity in boreal forest. International Journal of Remote Sensing, 2007, 28, 83-105.	2.9	7
11	A Comparison of Numerically Modelled Iceberg Backscatter Signatures with Sentinel-1 C-Band Synthetic Aperture Radar Acquisitions. Canadian Journal of Remote Sensing, 2018, 44, 232-242.	2.4	5
12	C-Band Simulations of Melting Icebergs Using GRECOSAR and an EM Model: Varying Wind Conditions at Lower Beam Mode. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 5134-5146.	4.9	4
13	On the Use of Feature Selection for Classifying Multitemporal Radarsat-1 Images for Forest Mapping. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 904-908.	3.1	3
14	Extraction of Forest Biophysical Parameters Using Polarimetric SAR. , 2008, , .		1
15	Iceberg detection using analysis of the received polarization ellipse in compact polarimetry. , 2014, , .		1
16	Ship detection performance assessment for simulated RCM SAR data. , 2014, , .		1
17	Managing Uncertainty in a Geospatial Model of Biodiversity. , 2006, , 167-185.		0
18	Assessing the Usefulness of Iceberg Electromagnetic Backscatter Modeling Using a C-Band SAR Classifier. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1353-1357.	3.1	0