Ian J Davenport

List of Publications by Year
in descending order

15 papers	718 citations	1040056 9 h-index	1199594 12 g-index
15 all docs	15 docs citations	15 times ranked	1186 citing authors

#	Article	IF	Citations
1	Image processing of airborne scanning laser altimetry data for improved river flood modelling. ISPRS Journal of Photogrammetry and Remote Sensing, 2001, 56, 121-138.	11.1	232
2	Near Real-Time Flood Detection in Urban and Rural Areas Using High-Resolution Synthetic Aperture Radar Images. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 3041-3052.	6.3	165
3	Modelling relationships between birds and vegetation structure using airborne LiDAR data: a review with case studies from agricultural and woodland environments. Ibis, 2005, 147, 443-452.	1.9	142
4	Analysis of full-waveform LiDAR data for classification of an orange orchard scene. ISPRS Journal of Photogrammetry and Remote Sensing, 2013, 82, 63-82.	11.1	58
5	Validation of Canopy Height Profile methodology for small-footprint full-waveform airborne LiDAR data in a discontinuous canopy environment. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 104, 144-157.	11.1	39
6	Passive L-band microwave soil moisture retrieval error arising from topography in otherwise uniform scenes. Advances in Water Resources, 2008, 31, 1433-1443.	3.8	19
7	First Evidence of Peat Domes in the Congo Basin using LiDAR from a Fixed-Wing Drone. Remote Sensing, 2020, 12, 2196.	4.0	18
8	The effects of scene heterogeneity on soil moisture retrieval from passive microwave data. Advances in Water Resources, 2008, 31, 1494-1502.	3.8	17
9	Effective LAI and CHP of a Single Tree From Small-Footprint Full-Waveform LiDAR. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1634-1638.	3.1	13
10	Global Snow Mass Measurements and the Effect of Stratigraphic Detail on Inversion of Microwave Brightness Temperatures. Surveys in Geophysics, 2014, 35, 785-812.	4.6	4
11	Preliminary leaf area index estimates from airborne small footprint full-waveform LiDAR data. , 2013, , .		3
12	<title>Foreshore study through shoreline delineation</title>. , 1996, 2958, 164.		2
13	<title>Obtaining accurate maps of topography and vegetation to improve 2D hydraulic flood models</title>. , 2001, , .		2
14	CHP Toolkit: Case Study of LAIe Sensitivity to Discontinuity of Canopy Cover in Fruit Plantations. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5071-5080.	6.3	2
15	Assessing Novel Lidar Modalities for Maximizing Coverage of a Spaceborne System through the Use of Diode Lasers. Remote Sensing, 2022, 14, 2426.	4.0	2