Joseph N Wilson

List of Publications by Year
in descending order

18 papers	379 citations	1163117 8 h-index	1474206 9 g-index
18 all docs	18 docs citations	18 times ranked	247 citing authors

#	Article	IF	Citations
1	A Large-Scale Systematic Evaluation of Algorithms Using Ground-Penetrating Radar for Landmine Detection and Discrimination. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 2560-2572.	6.3	99
2	An Investigation of Using the Spectral Characteristics From Ground Penetrating Radar for Landmine/Clutter Discrimination. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 1177-1191.	6.3	93
3	Optimizing the Area Under a Receiver Operating Characteristic Curve With Application to Landmine Detection. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 389-397.	6.3	32
4	An evaluation of several fusion algorithms for anti-tank landmine detection and discrimination. Information Fusion, 2012, 13, 161-174.	19.1	32
5	Discrete Choquet Integral as a Distance Metric. IEEE Transactions on Fuzzy Systems, 2008, 16, 1107-1110.	9.8	29
6	Feature analysis for the NIITEK ground-penetrating radar using order-weighted averaging operators for landmine detection. , 2004, , .		23
7	GRANMA: Gradient Angle Model Algorithm on Wideband EMI Data for Land-Mine Detection. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 535-539.	3.1	18
8	A Large-Scale Multi-Institutional Evaluation of Advanced Discrimination Algorithms for Buried Threat Detection in Ground Penetrating Radar. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6929-6945.	6.3	16
9	A matching pursuit based similarity measure for fuzzy clustering and classification of signals. , 2008, , .		11
10	Matching-Pursuits Dissimilarity Measure for Shape-Based Comparison and Classification of High-Dimensional Data. IEEE Transactions on Fuzzy Systems, 2009, 17, 1175-1188.	9.8	10
11	<title>Introduction to Image Algebra Ada</title>. , 1991, , .		4
12	A Machine Learning Based Topic Exploration and Categorization on Surveys. , 2012, , .		4
13	<title>Supporting image algebra in the C++ language</title>. , 1993, , .		3
14	Simultaneous feature and HMM Model learning for landmine detection using Ground Penetrating Radar. , 2010, , .		3
15	Parallel Image Processing with Image Algebra on SIMD Mesh-Connected Computers. Advances in Imaging and Electron Physics, 1994, 90, 353-431.	0.2	2
16	A multimodal Matching Pursuits Dissimilarity Measure applied to landmine/clutter discrimination. , 2010, , .		0
17	Using data compression for buried hazard detection. , 2017, , .		0
18	A deep neural network model for hazard classification. , 2019, , .		0