Giles Foody

List of Publications by Citations

251 papers	17,941 citations	66 h-index	130 g-index
280 ext. papers	20,517 ext. citations	5.2 avg, IF	7.57 L-index

#	Paper	IF	Citations
251	Status of land cover classification accuracy assessment. *Remote Sensing of Environment*, **2002**, 80, 185-201	13.2	2585
250	Good practices for estimating area and assessing accuracy of land change. *Remote Sensing of Environment*, **2014**, 148, 42-57	13.2	1225
249	Thematic Map Comparison. *Photogrammetric Engineering and Remote Sensing*, **2004**, 70, 627-633	1.6	801
248	A relative evaluation of multiclass image classification by support vector machines. *IEEE Transactions on Geoscience and Remote Sensing*, **2004**, 42, 1335-1343	8.1	593
247	Making better use of accuracy data in land change studies: Estimating accuracy and area and quantifying uncertainty using stratified estimation. *Remote Sensing of Environment*, **2013**, 129, 122-131	13.2	578
246	Feature Selection for Classification of Hyperspectral Data by SVM. *IEEE Transactions on Geoscience and Remote Sensing*, **2010**, 48, 2297-2307	8.1	491
245	Toward intelligent training of supervised image classifications: directing training data acquisition for SVM classification. *Remote Sensing of Environment*, **2004**, 93, 107-117	13.2	388
244	Predictive relations of tropical forest biomass from Landsat TM data and their transferability between regions. *Remote Sensing of Environment*, **2003**, 85, 463-474	13.2	356
243	Approaches for the production and evaluation of fuzzy land cover classifications from remotely-sensed data. *International Journal of Remote Sensing*, **1996**, 17, 1317-1340	3.1	326
242	The use of small training sets containing mixed pixels for accurate hard image classification: Training on mixed spectral responses for classification by a SVM. *Remote Sensing of Environment*, **2006**, 103, 179-189	13.2	280
241	Measuring and modelling biodiversity from space. *Progress in Physical Geography*, **2008**, 32, 203-221	3.5	256
240	Remotely sensed spectral heterogeneity as a proxy of species diversity: Recent advances and open challenges. *Ecological Informatics*, **2010**, 5, 318-329	4.2	229
239	Sub-pixel land cover composition estimation using a linear mixture model and fuzzy membership functions. *International Journal of Remote Sensing*, **1994**, 15, 619-631	3.1	228
238	Geographical weighting as a further refinement to regression modelling: An example focused on the NDVI□ainfall relationship. *Remote Sensing of Environment*, **2003**, 88, 283-293	13.2	220
237	Harshness in image classification accuracy assessment. *International Journal of Remote Sensing*, **2008**, 29, 3137-3158	3.1	211
236	Crowdsourcing, Citizen Science or Volunteered Geographic Information? The Current State of Crowdsourced Geographic Information. *ISPRS International Journal of Geo-Information*, **2016**, 5, 55	2.9	210
235	Assessing the accuracy of land cover change with imperfect ground reference data. *Remote Sensing of Environment*, **2010**, 114, 2271-2285	13.2	200

234	Crowdsourcing for climate and atmospheric sciences: current status and future potential. *International Journal of Climatology*, **2015**, 35, 3185-3203	3.5	188
233	Training set size requirements for the classification of a specific class. *Remote Sensing of Environment*, **2006**, 104, 1-14	13.2	181
232	Mapping the biomass of Bornean tropical rain forest from remotely sensed data. *Global Ecology and Biogeography*, **2001**, 10, 379-387	6.1	180
231	An evaluation of some factors affecting the accuracy of classification by an artificial neural network. *International Journal of Remote Sensing*, **1997**, 18, 799-810	3.1	175
230	Multiclass and Binary SVM Classification: Implications for Training and Classification Users. *IEEE Geoscience and Remote Sensing Letters*, **2008**, 5, 241-245	4.1	172
229	Classification accuracy comparison: Hypothesis tests and the use of confidence intervals in evaluations of difference, equivalence and non-inferiority. *Remote Sensing of Environment*, **2009**, 113, 1658-1663	13.2	160
228	Key issues in rigorous accuracy assessment of land cover products. *Remote Sensing of Environment*, **2019**, 231, 111199	13.2	158
227	Identifying terrestrial carbon sinks: Classification of successional stages in regenerating tropical forest from Landsat TM data. *Remote Sensing of Environment*, **1996**, 55, 205-216	13.2	143
226	Estimating tropical forest biomass with a combination of SAR image texture and Landsat TM data: An assessment of predictions between regions. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2012**, 70, 66-77	11.8	135
225	Remote sensing of tropical forest environments: Towards the monitoring of environmental resources for sustainable development. *International Journal of Remote Sensing*, **2003**, 24, 4035-4046	3.1	131
224	Crop classification by support vector machine with intelligently selected training data for an operational application. *International Journal of Remote Sensing*, **2008**, 29, 2227-2240	3.1	130
223	Super-resolution mapping of the waterline from remotely sensed data. *International Journal of Remote Sensing*, **2005**, 26, 5381-5392	3.1	130
222	Sample size determination for image classification accuracy assessment and comparison. *International Journal of Remote Sensing*, **2009**, 30, 5273-5291	3.1	125
221	Spatial nonstationarity and scale-dependency in the relationship between species richness and environmental determinants for the sub-Saharan endemic avifauna. *Global Ecology and Biogeography*, **2004**, 13, 315-320	6.1	121
220	Explaining the unsuitability of the kappa coefficient in the assessment and comparison of the accuracy of thematic maps obtained by image classification. *Remote Sensing of Environment*, **2020**, 239, 111630	13.2	117
219	One-Class Classification for Mapping a Specific Land-Cover Class: SVDD Classification of Fenland. *IEEE Transactions on Geoscience and Remote Sensing*, **2007**, 45, 1061-1073	8.1	115
218	Non-linear mixture modelling without end-members using an artificial neural network. *International Journal of Remote Sensing*, **1997**, 18, 937-953	3.1	113
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216	Predicting locations sensitive to flash flooding in an arid environment. *Journal of Hydrology*, **2004**, 292, 48-58	6	105
215	Estimation of sub-pixel land cover composition in the presence of untrained classes. *Computers and Geosciences*, **2000**, 26, 469-478	4.5	102
214	The effect of training set size and composition on artificial neural network classification. *International Journal of Remote Sensing*, **1995**, 16, 1707-1723	3.1	102
213	Satellite remote sensing to monitor species diversity: potential and pitfalls. *Remote Sensing in Ecology and Conservation*, **2016**, 2, 25-36	5.3	101
212	Tree biodiversity in protected and logged Bornean tropical rain forests and its measurement by satellite remote sensing. *Journal of Biogeography*, **2003**, 30, 1053-1066	4.1	100
211	A fuzzy classification of sub-urban land cover from remotely sensed imagery. *International Journal of Remote Sensing*, **1998**, 19, 2721-2738	3.1	99
210	Fully-fuzzy supervised classification of sub-urban land cover from remotely sensed imagery: Statistical and artificial neural network approaches. *International Journal of Remote Sensing*, **2001**, 22, 615-628	3.1	95
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207	Using control data to determine the reliability of volunteered geographic information about land cover. *International Journal of Applied Earth Observation and Geoinformation*, **2013**, 23, 37-48	7.3	90
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205	Mapping the species richness and composition of tropical forests from remotely sensed data with neural networks. *Ecological Modelling*, **2006**, 195, 37-42	3	82
204	Local characterization of thematic classification accuracy through spatially constrained confusion matrices. *International Journal of Remote Sensing*, **2005**, 26, 1217-1228	3.1	81
203	Uncertainty in ecosystem mapping by remote sensing. *Computers and Geosciences*, **2013**, 50, 128-135	4.5	80
202	An overview of recent remote sensing and GIS based research in ecological informatics. *Ecological Informatics*, **2011**, 6, 25-36	4.2	80
201	Mapping the regional extent of tropical forest regeneration stages in the Brazilian Legal Amazon using NOAA AVHRR data. *International Journal of Remote Sensing*, **2000**, 21, 2855-2881	3.1	80
200	Assessing the Accuracy of Volunteered Geographic Information arising from Multiple Contributors to an Internet Based Collaborative Project. *Transactions in GIS*, **2013**, 17, 847-860	2.1	77
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196	The Effect of Sampling on the Species-Area Curve. *Global Ecology and Biogeography Letters*, **1994**, 4, 97		75
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191	Incorporating mixed pixels in the training, allocation and testing stages of supervised classifications. *Pattern Recognition Letters*, **1996**, 17, 1389-1398	4.7	72
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175	Detection of partial land cover change associated with the migration of inter-class transitional zones. *International Journal of Remote Sensing*, **1999**, 20, 2723-2740	3.1	53
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