

Lucian Dragut

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

6,362
citations

430442

18
h-index

433756

31
g-index

33
all docs

33
docs citations

33
times ranked

6641
citing authors

#	ARTICLE	IF	CITATIONS
1	Random forest in remote sensing: A review of applications and future directions. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 114, 24-31.	4.9	3,556
2	ESP: a tool to estimate scale parameter for multiresolution image segmentation of remotely sensed data. International Journal of Geographical Information Science, 2010, 24, 859-871.	2.2	708
3	Automated parameterisation for multi-scale image segmentation on multiple layers. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 88, 119-127.	4.9	504
4	Automated classification of landform elements using object-based image analysis. Geomorphology, 2006, 81, 330-344.	1.1	373
5	Comparing supervised and unsupervised multiresolution segmentation approaches for extracting buildings from very high resolution imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 96, 67-75.	4.9	197
6	Automated object-based classification of topography from SRTM data. Geomorphology, 2012, 141-142, 21-33.	1.1	159
7	Object representations at multiple scales from digital elevation models. Geomorphology, 2011, 129, 183-189.	1.1	121
8	Local variance for multi-scale analysis in geomorphometry. Geomorphology, 2011, 130, 162-172.	1.1	104
9	Using digital photographs and object-based image analysis to estimate percent ground cover in vegetation plots. Frontiers in Ecology and the Environment, 2006, 4, 408-413.	1.9	99
10	Quantitative evaluation of variations in rule-based classifications of land cover in urban neighbourhoods using WorldView-2 imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 87, 205-215.	4.9	89
11	Object-based landform delineation and classification from DEMs for archaeological predictive mapping. Journal of Archaeological Science, 2012, 39, 698-703.	1.2	69
12	Optimization of scale and parametrization for terrain segmentation: An application to soil-landscape modeling. Computers and Geosciences, 2009, 35, 1875-1883.	2.0	62
13	An Object-Based Workflow to Extract Landforms at Multiple Scales From Two Distinct Data Types. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 947-951.	1.4	52
14	Individual Tree-Crown Detection and Species Classification in Very High-Resolution Remote Sensing Imagery Using a Deep Learning Ensemble Model. Remote Sensing, 2020, 12, 2426.	1.8	47
15	Classification of Soil Types Using Geographic Object-Based Image Analysis and Random Forests. Pedosphere, 2018, 28, 913-925.	2.1	36
16	Transformation (normalization) of slope gradient and surface curvatures, automated for statistical analyses from DEMs. Geomorphology, 2015, 232, 65-77.	1.1	30
17	Is the distribution pattern of the stone crayfish in the Carpathians related to karstic refugia from Pleistocene glaciations?. Freshwater Science, 2013, 32, 1410-1419.	0.9	24
18	A journey on plate tectonics sheds light on European crayfish phylogeography. Ecology and Evolution, 2019, 9, 1957-1971.	0.8	22

#	ARTICLE	IF	CITATIONS
19	Land-surface segmentation as a method to create strata for spatial sampling and its potential for digital soil mapping. <i>International Journal of Geographical Information Science</i> , 2016, 30, 1359-1376.	2.2	13
20	Sensitivity of geomorphons to mapping specific landforms from a digital elevation model: A case study of drumlins. <i>Area</i> , 2019, 51, 257-267.	1.0	13
21	Optimal scaling of predictors for digital mapping of soil properties. <i>Geoderma</i> , 2022, 405, 115453.	2.3	12
22	Variations in landform definition: a quantitative assessment of differences between five maps of glacial cirques in the Arc mountains (Southern Tj ETQq 0 0 rgBT /Overlap 10 Tf 50 617 Td)	1.0	10
23	Flash-flood potential: a proxy for crayfish habitat stability. <i>Ecohydrology</i> , 2016, 9, 1507-1516.	1.1	10
24	Scaling land-surface variables for landslide detection. <i>Progress in Earth and Planetary Science</i> , 2019, 6, .	1.1	10
25	Integrating time and the third spatial dimension in landscape structure analysis. <i>Landscape Research</i> , 2016, 41, 279-293.	0.7	8
26	An object-based approach to support the automatic delineation of magnetic anomalies. <i>Archaeological Prospection</i> , 2020, 27, 3-12.	1.1	8
27	The third and fourth dimensions of landscape: Towards conceptual models of topographically complex landscapes. <i>Landscape Online</i> , 0, 22, 1-10.	0.0	7
28	Sensitivity of multiresolution segmentation to spatial extent. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 81, 146-153.	1.4	6
29	Knowledge-based soil type classification using terrain segmentation. <i>Soil Research</i> , 2016, 54, 809.	0.6	5
30	Distribution of landslides reconstructed from inventory data and estimation of landslide susceptibility in Hungary. <i>Hungarian Geographical Bulletin</i> , 0, , 255-267.	0.4	4
31	Evaluation of object-based image analysis for morphostructural subdivision of the Western Carpathians. <i>Zeitschrift für Geomorphologie</i> , 2017, 61, 121-135.	0.3	2
32	Letters to the editor about the contents of past issues and comments on topics of current concern toFrontiersreaders. <i>Frontiers in Ecology and the Environment</i> , 2007, 5, 237-240.	1.9	1
33	Automated extraction of hummocks in debris avalanche deposits using DEMs: A case study at Mt. Gassan, northwest Japan. <i>Zeitschrift für Geomorphologie</i> , 2017, 61, 199-212.	0.3	1