

Rudolf Urban

List of Publications by Year in descending order

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33
papers

452
citations

840776

11
h-index

839539

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34
all docs

34
docs citations

34
times ranked

425
citing authors

#	ARTICLE	IF	CITATIONS
1	Photogrammetry Using UAV-Mounted GNSS RTK: Georeferencing Strategies without GCPs. Remote Sensing, 2021, 13, 1336.	4.0	73
2	Comparison of leaf-off and leaf-on combined UAV imagery and airborne LiDAR for assessment of a post-mining site terrain and vegetation structure: Prospects for monitoring hazards and restoration success. Applied Geography, 2019, 104, 32-41.	3.7	66
3	Evaluation of the Georeferencing Accuracy of a Photogrammetric Model Using a Quadcopter with Onboard GNSS RTK. Sensors, 2020, 20, 2318.	3.8	61
4	Sensitivity analysis of parameters and contrasting performance of ground filtering algorithms with UAV photogrammetry-based and LiDAR point clouds. International Journal of Digital Earth, 2020, 13, 1672-1694.	3.9	46
5	The Suitability of UAS for Mass Movement Monitoring Caused by Torrential Rainfall – A Study on the Talus Cones in the Alpine Terrain in High Tatras, Slovakia. ISPRS International Journal of Geo-Information, 2019, 8, 317.	2.9	32
6	Assessment of LiDAR ground filtering algorithms for determining ground surface of non-natural terrain overgrown with forest and steppe vegetation. Measurement: Journal of the International Measurement Confederation, 2020, 150, 107047.	5.0	29
7	Analysis of the Suitability of High-Resolution DEM Obtained Using ALS and UAS (SfM) for the Identification of Changes and Monitoring the Development of Selected Geohazards in the Alpine Environment – A Case Study in High Tatras, Slovakia. Remote Sensing, 2020, 12, 3901.	4.0	25
8	Comparison of a commercial and home-assembled fixed-wing UAV for terrain mapping of a post-mining site under leaf-off conditions. International Journal of Remote Sensing, 2019, 40, 555-572.	2.9	24
9	Vegetation Filtering of a Steep Rugged Terrain: The Performance of Standard Algorithms and a Newly Proposed Workflow on an Example of a Railway Ledge. Remote Sensing, 2021, 13, 3050.	4.0	21
10	Suppression of Systematic Errors of Electronic Distance Meters for Measurement of Short Distances. Sensors, 2015, 15, 19264-19301.	3.8	17
11	Suitability, characteristics, and comparison of an airship UAV with lidar for middle size area mapping. International Journal of Remote Sensing, 2017, 38, 2973-2990.	2.9	17
12	Analytical Determination of Geometric Parameters of the Rotary Kiln by Novel Approach of TLS Point Cloud Segmentation. Applied Sciences (Switzerland), 2020, 10, 7652.	2.5	11
13	Suitability of Aerial Photogrammetry for Dump Documentation and Volume Determination in Large Areas. Applied Sciences (Switzerland), 2021, 11, 6564.	2.5	10
14	Prague Castle Area Local Stability Determination Assessment by the Robust Transformation Method. Acta Geodynamica Et Geomaterialia, 2014, , 325-336.	0.5	5
15	TERRAIN OF POST MINING SITE FROM AIRSHIP LIDAR. , 2016, , .		5
16	Test of the Precision and Accuracy of the ShapeAccelArray Sensor. Geoinformatics FCE CTU, 2016, 15, 43-58.	0.4	2
17	Accurate Measurement of the Riverbed Model for Deformation Analysis using Laser Scanning Technology. Geoinformatics FCE CTU, 2018, 17, 81-92.	0.4	2
18	Testing of the Relative Precision in Local Network with Use of the Trimble Geo XR GNSS Receivers. Reports on Geodesy, 2013, 94, 27-36.	0.2	2

#	ARTICLE	IF	CITATIONS
19	Precise deformation measurement of prestressed concrete beam during a strain test using the combination of intersection photogrammetry and micro-network measurement. , 2015, , .		1
20	Testing of the accuracy dependency of prismless distance measurement on the beam incidence angle. Geoinformatics FCE CTU, 0, 7, 117-130.	0.4	1
21	UNCONVENTIONAL HIGH PRECISION MICRONETWORK DETERMINATION FOR THE NEEDS OF THE MONITORING OF THE RIVERBED MODEL CHANGES CAUSED BY THE WATER FLOW. , 2016, , .		1
22	Extensive Testing and Comparison of a New Type of Target for Use in Engineering Surveying. Slovak Journal of Civil Engineering, 2013, 21, 29-40.	0.5	0
23	Stability Determination of the Surface Area of the Prague Castle by the Periodically Measured Levelling Network and Robust Analysis. Geoinformatics FCE CTU, 2014, 12, 4-9.	0.4	0
24	Temperature effects on the bridge structure during the all-day monitoring. Geoinformatics FCE CTU, 2015, 14, 79-87.	0.4	0
25	Special electronic distance meter calibration for precise engineering surveying industrial applications. , 2015, , .		0
26	Implementation of a high-accuracy spatial network for measurements of steel constructions. Slovak Journal of Civil Engineering, 2012, 20, 13-18.	0.5	0
27	Genetic Algorithm in the Computation of the Camera External Orientation. Geoinformatics FCE CTU, 0, 9, 5-16.	0.4	0
28	THE OPTICAL PLUMBING METHOD USING TOTAL STATION. , 2014, , .		0
29	EFFECTS OF INSOLATION ON A HORIZONTAL TILT OF SAINT GEORGE BASILICA'S TOWERS AT PRAGUE CASTLE. , 2014, , .		0
30	PRAGUE CASTLE STABILITY DETERMINATION BY THE ROBUST TWO DIMENSIONAL TRANSFORMATION AND ITS ANALYSIS. , 2014, , .		0
31	TUNNELING MEASUREMENT IN UEF JOSEF USING TRIMBLE S8. , 2016, , .		0
32	DETERMINING OF PLATE FLATNESS. , 2016, , .		0
33	LABORATORY TESTING OF THE PRECISION AND ACCURACY OF THE SHAPEACCELARRAY SENSOR IN HORIZONTAL INSTALLATION. , 2016, , .		0