

Rudolf Urban

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2871994/publications.pdf>

Version: 2024-02-01

33
papers

452
citations

840776

11
h-index

839539

18
g-index

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	Suitability of Aerial Photogrammetry for Dump Documentation and Volume Determination in Large Areas. Applied Sciences (Switzerland), 2021, 11, 6564.	2.5	10
3	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
4	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
5	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
6	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
7	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
8	Evaluation of the Georeferencing Accuracy of a Photogrammetric Model Using a Quadcopter with Onboard GNSS RTK. Sensors, 2020, 20, 2318.	3.8	61
9	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
10	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
11	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
12	Accurate Measurement of the Riverbed Model for Deformation Analysis using Laser Scanning Technology. Geoinformatics FCE CTU, 2018, 17, 81-92.	0.4	2
13	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
14	Test of the Precision and Accuracy of the ShapeAccelArray Sensor. Geoinformatics FCE CTU, 2016, 15, 43-58.	0.4	2
15	TERRAIN OF POST MINING SITE FROM AIRSHIP LIDAR. , 2016, , .		5
16	UNCONVENTIONAL HIGH PRECISION MICRONETWORK DETERMINATION FOR THE NEEDS OF THE MONITORING OF THE RIVERBED MODEL CHANGES CAUSED BY THE WATER FLOW. , 2016, , .		1
17	TUNNELING MEASUREMENT IN UEF JOSEF USING TRIMBLE S8. , 2016, , .		0
18	DETERMINING OF PLATE FLATNESS. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	LABORATORY TESTING OF THE PRECISION AND ACCURACY OF THE SHAPEACCELARRAY SENSOR IN HORIZONTAL INSTALLATION. , 2016, , .		0
20	Suppression of Systematic Errors of Electronic Distance Meters for Measurement of Short Distances. Sensors, 2015, 15, 19264-19301.	3.8	17
21	Temperature effects on the bridge structure during the all-day monitoring. Geoinformatics FCE CTU, 2015, 14, 79-87.	0.4	0
22	Precise deformation measurement of prestressed concrete beam during a strain test using the combination of intersection photogrammetry and micro-network measurement. , 2015, , .		1
23	Special electronic distance meter calibration for precise engineering surveying industrial applications. , 2015, , .		0
24	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
25	Prague Castle Area Local Stability Determination Assessment by the Robust Transformation Method. Acta Geodynamica Et Geomaterialia, 2014, , 325-336.	0.5	5
26	THE OPTICAL PLUMBING METHOD USING TOTAL STATION. , 2014, , .		0
27	EFFECTS OF INSOLATION ON A HORIZONTAL TILT OF SAINT GEORGE BASILICA'S TOWERS AT PRAGUE CASTLE. , 2014, , .		0
28	PRAGUE CASTLE STABILITY DETERMINATION BY THE ROBUST TWO DIMENSIONAL TRANSFORMATION AND ITS ANALYSIS. , 2014, , .		0
29	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
30	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
31	Implementation of a high-accuracy spatial network for measurements of steel constructions. Slovak Journal of Civil Engineering, 2012, 20, 13-18.	0.5	0
32	Testing of the accuracy dependency of prismless distance measurement on the beam incidence angle. Geoinformatics FCE CTU, 0, 7, 117-130.	0.4	1
33	Genetic Algorithm in the Computation of the Camera External Orientation. Geoinformatics FCE CTU, 0, 9, 5-16.	0.4	0