

Matti Vaaja

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33 papers	1,033 citations	16 h-index	32 g-index
38 ext. papers	1,205 ext. citations	3.8 avg, IF	3.72 L-index

#	Paper	IF	Citations
33	3D Point Cloud Data in Conveying Information for Local Green Factor Assessment. <i>ISPRS International Journal of Geo-Information</i> , 2021 , 10, 762	2.9	0
32	The Combined Use of SLAM Laser Scanning and TLS for the 3D Indoor Mapping. <i>Buildings</i> , 2021 , 11, 386	3.2	2
31	A Comparison of Low-Cost Sensor Systems in Automatic Cloud-Based Indoor 3D Modeling. <i>Remote Sensing</i> , 2020 , 12, 2624	5	7
30	Evaluating the Quality of TLS Point Cloud Colorization. <i>Remote Sensing</i> , 2020 , 12, 2748	5	4
29	Nighttime Mobile Laser Scanning and 3D Luminance Measurement: Verifying the Outcome of Roadside Tree Pruning with Mobile Measurement of the Road Environment. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 455	2.9	1
28	Depth camera indoor mapping for 3D virtual radio play. <i>Photogrammetric Record</i> , 2018 , 33, 171-195	1.7	9
27	Characterizing 3D City Modeling Projects: Towards a Harmonized Interoperable System. <i>ISPRS International Journal of Geo-Information</i> , 2018 , 7, 55	2.9	23
26	Mobile mapping of night-time road environment lighting conditions 2018 , 26, 1-17		5
25	Tutorial: Road Lighting for Efficient and Safe Traffic Environments. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2017 , 13, 223-241	3.5	12
24	Modern empirical and modelling study approaches in fluvial geomorphology to elucidate sub-bend-scale meander dynamics. <i>Progress in Physical Geography</i> , 2017 , 41, 533-569	3.5	27
23	Comparison of the Selected State-Of-The-Art 3D Indoor Scanning and Point Cloud Generation Methods. <i>Remote Sensing</i> , 2017 , 9, 796	5	84
22	Camera preparation and performance for 3D luminance mapping of road environments 2017 , 25, 1-23		6
21	Localization of a mobile laser scanner via dimensional reduction. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016 , 121, 48-59	11.8	12
20	Gravel transport by ice in a subarctic river from accurate laser scanning. <i>Geomorphology</i> , 2015 , 246, 113-122	11.8	22
19	Multifrequency microwave radiometry of snow on lake ice: Observations and simulations 2015 ,		1
18	Determining Characteristic Vegetation Areas by Terrestrial Laser Scanning for Floodplain Flow Modeling. <i>Water (Switzerland)</i> , 2015 , 7, 420-437	3	30
17	Luminance-Corrected 3D Point Clouds for Road and Street Environments. <i>Remote Sensing</i> , 2015 , 7, 11389-11402	3	23

16	Sub-bend scale flow-sediment interaction of meander bends: A combined approach of field observations, close-range remote sensing and computational modelling. <i>Geomorphology</i> , 2015 , 238, 119-134	4.3	38
15	Customized Visualizations of Urban Infill Development Scenarios for Local Stakeholders. <i>Journal of Building Construction and Planning Research</i> , 2015 , 03, 68-81	0.4	6
14	Rapid Prototyping: A Tool for Presenting 3-Dimensional Digital Models Produced by Terrestrial Laser Scanning. <i>ISPRS International Journal of Geo-Information</i> , 2014 , 3, 871-890	2.9	7
13	Brightness temperature behavior of snow on lake ice over a wide frequency range 2014 ,		2
12	Tree mapping using airborne, terrestrial and mobile laser scanning: A case study in a heterogeneous urban forest. <i>Urban Forestry and Urban Greening</i> , 2013 , 12, 546-553	5.4	85
11	Individual tree biomass estimation using terrestrial laser scanning. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2013 , 75, 64-75	11.8	169
10	Morphological changes on meander point bars associated with flow structure at different discharges. <i>Earth Surface Processes and Landforms</i> , 2013 , 38, 577-590	3.7	60
9	Seamless Mapping of River Channels at High Resolution Using Mobile LiDAR and UAV-Photography. <i>Remote Sensing</i> , 2013 , 5, 6382-6407	5	123
8	Data processing and quality evaluation of a boat-based mobile laser scanning system. <i>Sensors</i> , 2013 , 13, 12497-515	3.8	29
7	3D Modeling of Coarse Fluvial Sediments Based on Mobile Laser Scanning Data. <i>Remote Sensing</i> , 2013 , 5, 4571-4592	5	19
6	Area-Based Approach for Mapping and Monitoring Riverine Vegetation Using Mobile Laser Scanning. <i>Remote Sensing</i> , 2013 , 5, 5285-5303	5	19
5	Advances in Forest Inventory Using Airborne Laser Scanning. <i>Remote Sensing</i> , 2012 , 4, 1190-1207	5	122
4	The use of ALS, TLS and VLS measurements in mapping and monitoring urban trees 2011 ,		10
3	Mapping Topography Changes and Elevation Accuracies Using a Mobile Laser Scanner. <i>Remote Sensing</i> , 2011 , 3, 587-600	5	64
2	Mobile laser scanning in fluvial geomorphology: mapping and change detection of point bars. <i>Zeitschrift für Geomorphologie</i> , 2011 , 55, 31-50	1.9	21
1	Applying photogrammetry to reconstruct 3D luminance point clouds of indoor environments. <i>Architectural Engineering and Design Management</i> , 1-17	1.2	1