Matti Kurkela

List of Publications by Citations

24 papers	325 citations
10 h-index	17 g-index
27 ext. papers	404 ext. citations
2.8 avg, IF	2.97 L-index

#	Paper	IF	Citations
24	Comparison of the Selected State-Of-The-Art 3D Indoor Scanning and Point Cloud Generation Methods. *Remote Sensing*, **2017**, 9, 796	5	84
23	Determining Characteristic Vegetation Areas by Terrestrial Laser Scanning for Floodplain Flow Modeling. *Water (Switzerland)*, **2015**, 7, 420-437	3	30
22	Data processing and quality evaluation of a boat-based mobile laser scanning system. *Sensors*, **2013**, 13, 12497-515	3.8	29
21	Modern empirical and modelling study approaches in fluvial geomorphology to elucidate sub-bend-scale meander dynamics. *Progress in Physical Geography*, **2017**, 41, 533-569	3.5	27
20	Mobile laser scanning in fluvial geomorphology: mapping and change detection of point bars. *Zeitschrift F Geomorphologie*, **2011**, 55, 31-50	1.9	21
19	3D Modeling of Coarse Fluvial Sediments Based on Mobile Laser Scanning Data. *Remote Sensing*, **2013**, 5, 4571-4592	5	19
18	Automated Multi-Sensor 3D Reconstruction for the Web. *ISPRS International Journal of Geo-Information*, **2019**, 8, 221	2.9	13
17	Luminance-Corrected 3D Point Clouds for Road and Street Environments. *Remote Sensing*, **2015**, 7, 11389-11402	5	13
16	Tutorial: Road Lighting for Efficient and Safe Traffic Environments. *LEUKOS - Journal of Illuminating Engineering Society of North America*, **2017**, 13, 223-241	3.5	12
15	Impacts of Room Structure Models on the Accuracy of 60 GHz Indoor Radio Propagation Prediction. *IEEE Antennas and Wireless Propagation Letters*, **2015**, 14, 1137-1140	3.8	10
14	Depth camera indoor mapping for 3D virtual radio play. *Photogrammetric Record*, **2018**, 33, 171-195	1.7	9
13	Target detection distances under different road lighting intensities. *European Transport Research Review*, **2017**, 9,	3.7	9
12	Rapid Prototyping A Tool for Presenting 3-Dimensional Digital Models Produced by Terrestrial Laser Scanning. *ISPRS International Journal of Geo-Information*, **2014**, 3, 871-890	2.9	7
11	Camera preparation and performance for 3D luminance mapping of road environments **2017**, 25, 1-23		6
10	Automated image-based reconstruction of building interiors a case study **2014**, 24, 1-13		6
9	Customized Visualizations of Urban Infill Development Scenarios for Local Stakeholders. *Journal of Building Construction and Planning Research*, **2015**, 03, 68-81	0.4	6
8	Calculation of Mesopic Luminance Using per Pixel S/P Ratios Measured with Digital Imaging. *LEUKOS - Journal of Illuminating Engineering Society of North America*, **2019**, 15, 309-317	3.5	5

7	70 GHz radio wave propagation prediction in a large office **2014**,		4
6	Browser based 3D for the built environment **2018**, 13, 54-76		4
5	Evaluating the Quality of TLS Point Cloud Colorization. *Remote Sensing*, **2020**, 12, 2748	5	4
4	The feasibility of using a low-cost depth camera for 3D scanning in mass customization. *Open Engineering*, **2019**, 9, 450-458	1.7	4
3	Radial Distortion from Epipolar Constraint for Rectilinear Cameras. *Journal of Imaging*, **2017**, 3, 8	3.1	1
2	Applying photogrammetry to reconstruct 3D luminance point clouds of indoor environments. *Architectural Engineering and Design Management*,1-17	1.2	1
1	Nighttime Mobile Laser Scanning and 3D Luminance Measurement: Verifying the Outcome of Roadside Tree Pruning with Mobile Measurement of the Road Environment. *ISPRS International Journal of Geo-Information*, **2020**, 9, 455	2.9	1