

Matti Kurkela

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

504
citations

758635

12
h-index

713013

21
g-index

27
all docs

27
docs citations

27
times ranked

535
citing authors

#	ARTICLE	IF	CITATIONS
1	Applying photogrammetry to reconstruct 3D luminance point clouds of indoor environments. <i>Architectural Engineering and Design Management</i> , 2022, 18, 56-72.	1.2	7
2	Utilizing a Terrestrial Laser Scanner for 3D Luminance Measurement of Indoor Environments. <i>Journal of Imaging</i> , 2021, 7, 85.	1.7	2
3	Performance Assessment of Reference Modelling Methods for Defect Evaluation in Asphalt Concrete. <i>Sensors</i> , 2021, 21, 8190.	2.1	1
4	Evaluating the Quality of TLS Point Cloud Colorization. <i>Remote Sensing</i> , 2020, 12, 2748.	1.8	14
5	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.	1.4	3
6	Automated Multi-Sensor 3D Reconstruction for the Web. <i>ISPRS International Journal of Geo-Information</i> , 2019, 8, 221.	1.4	18
7	Calculation of Mesopic Luminance Using per Pixel S/P Ratios Measured with Digital Imaging. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2019, 15, 309-317.	1.5	7
8	The feasibility of using a low-cost depth camera for 3D scanning in mass customization. <i>Open Engineering</i> , 2019, 9, 450-458.	0.7	5
9	Depth camera indoor mapping for 3D virtual radio play. <i>Photogrammetric Record</i> , 2018, 33, 171-195.	0.4	15
10	Browser based 3D for the built environment. <i>Nordic Journal of Surveying and Real Estate Research</i> , 2018, 13, 54-76.	0.8	5
11	Tutorial: Road Lighting for Efficient and Safe Traffic Environments. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2017, 13, 223-241.	1.5	25
12	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.	1.4	32
13	Target detection distances under different road lighting intensities. <i>European Transport Research Review</i> , 2017, 9, .	2.3	15
14	Comparison of the Selected State-Of-The-Art 3D Indoor Scanning and Point Cloud Generation Methods. <i>Remote Sensing</i> , 2017, 9, 796.	1.8	141
15	Radial Distortion from Epipolar Constraint for Rectilinear Cameras. <i>Journal of Imaging</i> , 2017, 3, 8.	1.7	3
16	Camera preparation and performance for 3D luminance mapping of road environments. <i>The Photogrammetric Journal of Finland</i> , 2017, 25, 1-23.	0.5	8
17	Determining Characteristic Vegetation Areas by Terrestrial Laser Scanning for Floodplain Flow Modeling. <i>Water (Switzerland)</i> , 2015, 7, 420-437.	1.2	44
18	Luminance-Corrected 3D Point Clouds for Road and Street Environments. <i>Remote Sensing</i> , 2015, 7, 11389-11402.	1.8	24

#	ARTICLE	IF	CITATIONS
19	Impacts of Room Structure Models on the Accuracy of 60GHz Indoor Radio Propagation Prediction. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1137-1140.	2.4	13
20	Customized Visualizations of Urban Infill Development Scenarios for Local Stakeholders. Journal of Building Construction and Planning Research, 2015, 03, 68-81.	0.6	8
21	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.	1.4	11
22	70 GHz radio wave propagation prediction in a large office. , 2014, , .		6
23	Automated image-based reconstruction of building interiors – a case study. The Photogrammetric Journal of Finland, 2014, 24, 1-13.	0.5	8
24	Data Processing and Quality Evaluation of a Boat-Based Mobile Laser Scanning System. Sensors, 2013, 13, 12497-12515.	2.1	34
25	3D Modeling of Coarse Fluvial Sediments Based on Mobile Laser Scanning Data. Remote Sensing, 2013, 5, 4571-4592.	1.8	25
26	Mobile laser scanning in fluvial geomorphology: mapping and change detection of point bars. Zeitschrift für Geomorphologie, 2011, 55, 31-50.	0.3	30