Juho-Pekka Virtanen

List of Publications by Citations

37 papers	512 citations	12 h-index	21 g-index
40 ext. papers	692 ext. citations	3.9 avg, IF	3.77 L-index

#	Paper	IF	Citations
37	Comparison of the Selected State-Of-The-Art 3D Indoor Scanning and Point Cloud Generation Methods. *Remote Sensing*, **2017**, 9, 796	5	84
36	Forest in situ observations using unmanned aerial vehicle as an alternative of terrestrial measurements. *Forest Ecosystems*, **2019**, 6,	3.8	53
35	Under-canopy UAV laser scanning for accurate forest field measurements. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2020**, 164, 41-60	11.8	42
34	Feasibility of Google Tango and Kinect for Crowdsourcing Forestry Information. *Forests*, **2018**, 9, 6	2.8	34
33	Accurate derivation of stem curve and volume using backpack mobile laser scanning. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2020**, 161, 246-262	11.8	33
32	Determining Characteristic Vegetation Areas by Terrestrial Laser Scanning for Floodplain Flow Modeling. *Water (Switzerland)*, **2015**, 7, 420-437	3	30
31	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
30	Characterizing 3D City Modeling Projects: Towards a Harmonized Interoperable System. *ISPRS International Journal of Geo-Information*, **2018**, 7, 55	2.9	23
29	Intelligent Open Data 3D Maps in a Collaborative Virtual World. *ISPRS International Journal of Geo-Information*, **2015**, 4, 837-857	2.9	19
28	Localization of mobile laser scanner using classical mechanics. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2015**, 99, 25-29	11.8	14
27	Automated Multi-Sensor 3D Reconstruction for the Web. *ISPRS International Journal of Geo-Information*, **2019**, 8, 221	2.9	13
26	Luminance-Corrected 3D Point Clouds for Road and Street Environments. *Remote Sensing*, **2015**, 7, 11389-11402	3	13
25	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
24	Localization of a mobile laser scanner via dimensional reduction. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2016**, 121, 48-59	11.8	12
23	Depth camera indoor mapping for 3D virtual radio play. *Photogrammetric Record*, **2018**, 33, 171-195	1.7	9
22	Nationwide Point Cloud—The Future Topographic Core Data. *ISPRS International Journal of Geo-Information*, **2017**, 6, 243	2.9	8
21	Multisource Point Clouds, Point Simplification and Surface Reconstruction. *Remote Sensing*, **2019**, 11, 2659	5	8

20	Interactive dense point clouds in a game engine. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2020**, 163, 375-389	11.8	8
19	Humans use Optokinetic Eye Movements to Track Waypoints for Steering. *Scientific Reports*, **2020**, 10, 4175	4.9	7
18	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
17	A Comparison of Low-Cost Sensor Systems in Automatic Cloud-Based Indoor 3D Modeling. *Remote Sensing*, **2020**, 12, 2624	5	7
16	Sense of presence and sense of place in perceiving a 3D geovisualization for communication in urban planning Differences introduced by prior familiarity with the place. *Landscape and Urban Planning*, **2021**, 207, 103996	7.7	7
15	Camera preparation and performance for 3D luminance mapping of road environments **2017**, 25, 1-23		6
14	Customized Visualizations of Urban Infill Development Scenarios for Local Stakeholders. *Journal of Building Construction and Planning Research*, **2015**, 03, 68-81	0.4	6
13	Mobile mapping of night-time road environment lighting conditions **2018**, 26, 1-17		5
12	Browser based 3D for the built environment **2018**, 13, 54-76		4
11	Evaluating the Quality of TLS Point Cloud Colorization. *Remote Sensing*, **2020**, 12, 2748	5	4
10	The feasibility of using a low-cost depth camera for 3D scanning in mass customization. *Open Engineering*, **2019**, 9, 450-458	1.7	4
9	Customer Journey Mapping of an Experience-Centric Service by Mobile Self-reporting: Testing the Qualiwall Tool. *Lecture Notes in Computer Science*, **2014**, 261-272	0.9	3
8	Near Real-Time Semantic View Analysis of 3D City Models in Web Browser. *ISPRS International Journal of Geo-Information*, **2021**, 10, 138	2.9	3
7	A Simple Semantic-Based Data Storage Layout for Querying Point Clouds. *ISPRS International Journal of Geo-Information*, **2020**, 9, 72	2.9	2
6	The Combined Use of SLAM Laser Scanning and TLS for the 3D Indoor Mapping. *Buildings*, **2021**, 11, 386	3.2	2
5	Applying photogrammetry to reconstruct 3D luminance point clouds of indoor environments. *Architectural Engineering and Design Management*,1-17	1.2	1
4	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
3	3D Point Cloud Data in Conveying Information for Local Green Factor Assessment. *ISPRS International Journal of Geo-Information*, **2021**, 10, 762	2.9	0

2	DEVELOPING NATURAL AND INTUITIVE VIDEO-MEDIATED COLLABORATION SYSTEM. *International Journal on Artificial Intelligence Tools*, **2012**, 21, 1240009	0.9
1	Natural and Intuitive Video Mediated Collaboration. *Smart Innovation, Systems and Technologies*, **2011**, 21-28	0.5