

Juho-Pekka Virtanen

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

907
citations

566801

15
h-index

476904

29
g-index

40
all docs

40
docs citations

40
times ranked

877
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Forest in situ observations using unmanned aerial vehicle as an alternative of terrestrial measurements. <i>Forest Ecosystems</i> , 2019, 6, .	1.3	86
3	Under-canopy UAV laser scanning for accurate forest field measurements. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 164, 41-60.	4.9	83
4	Accurate derivation of stem curve and volume using backpack mobile laser scanning. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 161, 246-262.	4.9	77
5	Feasibility of Google Tango and Kinect for Crowdsourcing Forestry Information. <i>Forests</i> , 2018, 9, 6.	0.9	53
6	Determining Characteristic Vegetation Areas by Terrestrial Laser Scanning for Floodplain Flow Modeling. <i>Water (Switzerland)</i> , 2015, 7, 420-437.	1.2	44
7	Characterizing 3D City Modeling Projects: Towards a Harmonized Interoperable System. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 55.	1.4	41
8	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
9	Intelligent Open Data 3D Maps in a Collaborative Virtual World. <i>ISPRS International Journal of Geo-Information</i> , 2015, 4, 837-857.	1.4	27
10	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
11	Luminance-Corrected 3D Point Clouds for Road and Street Environments. <i>Remote Sensing</i> , 2015, 7, 11389-11402.	1.8	24
12	Interactive dense point clouds in a game engine. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 163, 375-389.	4.9	23
13	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. <i>Landscape and Urban Planning</i> , 2021, 207, 103996.	3.4	22
14	Automated Multi-Sensor 3D Reconstruction for the Web. <i>ISPRS International Journal of Geo-Information</i> , 2019, 8, 221.	1.4	18
15	Multisource Point Clouds, Point Simplification and Surface Reconstruction. <i>Remote Sensing</i> , 2019, 11, 2659.	1.8	17
16	Near Real-Time Semantic View Analysis of 3D City Models in Web Browser. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 138.	1.4	16
17	Localization of mobile laser scanner using classical mechanics. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 99, 25-29.	4.9	15
18	Localization of a mobile laser scanner via dimensional reduction. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016, 121, 48-59.	4.9	15

#	ARTICLE	IF	CITATIONS
19	Depth camera indoor mapping for 3D virtual radio play. <i>Photogrammetric Record</i> , 2018, 33, 171-195.	0.4	15
20	Nationwide Point Clouds – The Future Topographic Core Data. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 243.	1.4	14
21	Evaluating the Quality of TLS Point Cloud Colorization. <i>Remote Sensing</i> , 2020, 12, 2748.	1.8	14
22	A Comparison of Low-Cost Sensor Systems in Automatic Cloud-Based Indoor 3D Modeling. <i>Remote Sensing</i> , 2020, 12, 2624.	1.8	13
23	Humans use Optokinetic Eye Movements to Track Waypoints for Steering. <i>Scientific Reports</i> , 2020, 10, 4175.	1.6	12
24	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.	1.4	11
25	The Combined Use of SLAM Laser Scanning and TLS for the 3D Indoor Mapping. <i>Buildings</i> , 2021, 11, 386.	1.4	11
26	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
27	Customized Visualizations of Urban Infill Development Scenarios for Local Stakeholders. <i>Journal of Building Construction and Planning Research</i> , 2015, 03, 68-81.	0.6	8
28	A Simple Semantic-Based Data Storage Layout for Querying Point Clouds. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 72.	1.4	7
29	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
30	Mobile mapping of night-time road environment lighting conditions. <i>The Photogrammetric Journal of Finland</i> , 2018, 26, 1-17.	0.5	7
31	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
32	Browser based 3D for the built environment. <i>Nordic Journal of Surveying and Real Estate Research</i> , 2018, 13, 54-76.	0.8	5
33	Customer Journey Mapping of an Experience-Centric Service by Mobile Self-reporting: Testing the Qualiwall Tool. <i>Lecture Notes in Computer Science</i> , 2014, , 261-272.	1.0	3
34	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
35	Utilizing a Terrestrial Laser Scanner for 3D Luminance Measurement of Indoor Environments. <i>Journal of Imaging</i> , 2021, 7, 85.	1.7	2
36	3D Point Cloud Data in Conveying Information for Local Green Factor Assessment. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 762.	1.4	2

#	ARTICLE	IF	CITATIONS
37	Comparison of two workflows for Web-based 3D smart home visualizations. , 2018, , .		1
38	DEVELOPING NATURAL AND INTUITIVE VIDEO-MEDIATED COLLABORATION " NIVMC SYSTEM. International Journal on Artificial Intelligence Tools, 2012, 21, 1240009.	0.7	0
39	Natural and Intuitive Video Mediated Collaboration. Smart Innovation, Systems and Technologies, 2011, , 21-28.	0.5	0