

Maarten Vergauwen

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8840019/maarten-vergauwen-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

61
papers

1,328
citations

15
h-index

35
g-index

72
ext. papers

1,570
ext. citations

3.3
avg, IF

4.57
L-index

#	Paper	IF	Citations
61	Visual Modeling with a Hand-Held Camera. <i>International Journal of Computer Vision</i> , 2004 , 59, 207-232	10.6	524
60	Web-based 3D Reconstruction Service. <i>Machine Vision and Applications</i> , 2006 , 17, 411-426	2.8	121
59	Automated reconstruction of 3D scenes from sequences of images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2000 , 55, 251-267	11.8	101
58	A Hierarchical Symmetric Stereo Algorithm Using Dynamic Programming. <i>International Journal of Computer Vision</i> , 2002 , 47, 275-285	10.6	55
57	3D Reconstruction from Multiple Images Part 1: Principles. <i>Foundations and Trends in Computer Graphics and Vision</i> , 2008 , 4, 287-404	12	54
56	Metric 3D Surface Reconstruction from Uncalibrated Image Sequences. <i>Lecture Notes in Computer Science</i> , 1998 , 139-154	0.9	40
55	Classification of sensor independent point cloud data of building objects using random forests. <i>Journal of Building Engineering</i> , 2019 , 21, 468-477	5.2	36
54	. <i>IEEE Computer Graphics and Applications</i> , 2003 , 23, 20-27	1.7	27
53	Image-based 3D acquisition of archaeological heritage and applications 2001 ,		27
52	A stereo-vision system for support of planetary surface exploration. <i>Machine Vision and Applications</i> , 2003 , 14, 5-14	2.8	26
51	Three-dimensional scene reconstruction from images 2000 , 3958, 215		22
50	Hand-held acquisition of 3D models with a video camera		22
49	Augmented Reality Using Uncalibrated Video Sequences. <i>Lecture Notes in Computer Science</i> , 2001 , 144-160		22
48	AUTOMATED CLASSIFICATION OF HERITAGE BUILDINGS FOR AS-BUILT BIM USING MACHINE LEARNING TECHNIQUES. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , IV-2/W2, 25-30		21
47	Unsupervised reconstruction of Building Information Modeling wall objects from point cloud data. <i>Automation in Construction</i> , 2020 , 120, 103338	9.6	17
46	Implementation of Scan-to-BIM and FEM for the Documentation and Analysis of Heritage Timber Roof Structures. <i>Lecture Notes in Computer Science</i> , 2016 , 79-90	0.9	15
45	SEGMENTATION OF LARGE UNSTRUCTURED POINT CLOUDS USING OCTREE-BASED REGION GROWING AND CONDITIONAL RANDOM FIELDS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , XLII-2/W8, 25-30	2.5	14

44	Point Cloud vs. Mesh Features for Building Interior Classification. <i>Remote Sensing</i> , 2020 , 12, 2224	5	13
43	Topology Reconstruction of BIM Wall Objects from Point Cloud Data. <i>Remote Sensing</i> , 2020 , 12, 1800	5	10
42	Clustering of Wall Geometry from Unstructured Point Clouds Using Conditional Random Fields. <i>Remote Sensing</i> , 2019 , 11, 1586	5	10
41	2007 ,		9
40	Comparison of 2D and 3D wall reconstruction algorithms from point cloud data for as-built BIM. <i>Journal of Information Technology in Construction</i> , 2020 , 25, 173-192	2.5	9
39	IFCWALL RECONSTRUCTION FROM UNSTRUCTURED POINT CLOUDS. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , IV-2, 33-39		8
38	An Overview of Innovative Heritage Deliverables Based on Remote Sensing Techniques. <i>Remote Sensing</i> , 2018 , 10, 1607	5	8
37	SCAN-TO-BIM OUTPUT VALIDATION: TOWARDS A STANDARDIZED GEOMETRIC QUALITY ASSESSMENT OF BUILDING INFORMATION MODELS BASED ON POINT CLOUDS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives XLII-2/W48</i> , 45-52	2.5	7
36	Semi-automated Creation of Accurate FE Meshes of Heritage Masonry Walls from Point Cloud Data. <i>RILEM Bookseries</i> , 2019 , 305-314	0.5	7
35	IMMERSIVE VISUALISATION OF CONSTRUCTION SITE POINT CLOUD DATA, MESHES AND BIM MODELS IN A VR ENVIRONMENT USING A GAMING ENGINE. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives XLII-5/W2</i> , 77-83	2.5	6
34	Flexible 3D acquisition with a monocular camera		5
33	Point Cloud Validation: On the Impact of Laser Scanning Technologies on the Semantic Segmentation for BIM Modeling and Evaluation. <i>Remote Sensing</i> , 2022 , 14, 582	5	5
32	Including widespread geometry formats in semantic graphs using RDF literals 2019 ,		5
31	Drift Invariant Metric Quality Control of Construction Sites Using BIM and Point Cloud Data. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 545	2.9	5
30	Manhole Cover Detection on Rasterized Mobile Mapping Point Cloud Data Using Transfer Learned Fully Convolutional Neural Networks. <i>Remote Sensing</i> , 2020 , 12, 3820	5	5
29	A Stereo Vision System for Support of Planetary Surface Exploration. <i>Lecture Notes in Computer Science</i> , 2001 , 298-312	0.9	5
28	Vision on Conservation: Virterf 2001 , 125-132		5
27	Processing existing building geometry for reuse as Linked Data. <i>Automation in Construction</i> , 2020 , 115, 103180	9.6	4

26	A hierarchical stereo algorithm using dynamic programming		4
25	Automated Semantic Labelling of 3D Vector Models for Scan-to-BIM 2016 ,		4
24	PERCENTAGE OF COMPLETION OF IN-SITU CAST CONCRETE WALLS USING POINT CLOUD DATA AND BIM. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives,XLII-5/W2</i> , 21-28	2.5	4
23	STANDALONE TERRESTRIAL LASER SCANNING FOR EFFICIENTLY CAPTURING AEC BUILDINGS FOR AS-BUILT BIM. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> ,III-6, 49-55		4
22	Virtual Models from Video and Vice-Versa 2001 , 11-22		4
21	A novel workflow to combine BIM and linked data for existing buildings 2018 , 347-354		3
20	PUZZLING ENGINE: A DIGITAL PLATFORM TO AID THE REASSEMBLING OF FRACTURED FRAGMENTS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives,XLII-2/W15</i> , 563-570	2.5	3
19	THEORETICAL ACCURACY PREDICTION AND VALIDATION OF LOW-END AND HIGH-END MOBILE MAPPING SYSTEM IN URBAN, RESIDENTIAL AND RURAL AREAS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives,XLII-2/W18</i> , 121-128	2.5	3
18	Vision-Based Methodology for Characterizing the Flow of a High-Density Crowd on Footbridges: Strategy and Application. <i>Infrastructures</i> , 2020 , 5, 51	2.6	3
17	V4Design for Enhancing Architecture and Video Game Creation 2018 ,		3
16	Geo-Registering Consecutive Construction Site Recordings Using a Pre-Registered Reference Module. <i>Remote Sensing</i> , 2020 , 12, 1928	5	2
15	Numerical Analysis of Settlement-Induced Damage to a Masonry Church Nave Wall. <i>RILEM Bookseries</i> , 2019 , 853-861	0.5	2
14	Combining image and model based rendering of an archaeological site. <i>Signal Processing: Image Communication</i> , 2005 , 20, 891-906	2.8	2
13	CLUSTERING OF WALL GEOMETRY FROM UNSTRUCTURED POINT CLOUDS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives,XLII-2/W9</i> , 101-108	2.5	2
12	BIM RECONSTRUCTION: AUTOMATED PROCEDURAL MODELING FROM POINT CLOUD DATA. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives,XLII-2/W17</i> , 53-60	2.5	2
11	A Hybrid Approach to Reassemble Ancient Decorated Block Fragments through a 3D Puzzling Engine. <i>Remote Sensing</i> , 2020 , 12, 2526	5	2
10	Two-Step Alignment of Mixed Reality Devices to Existing Building Data. <i>Remote Sensing</i> , 2022 , 14, 2680	5	2
9	Towards the Semantic Enrichment of Existing Online 3D Building Geometry to Publish Linked Building Data. <i>Communications in Computer and Information Science</i> , 2019 , 134-148	0.3	1

8	WEAR++: 3D model driven camera tracking on board the International Space Station 2011 ,			1
7	A micro-rover navigation and control system for autonomous planetary exploration. <i>Advanced Robotics</i> , 2004 , 18, 285-314		1.7	1
6	2003 ,			1
5	Low-Complexity Design and Validation of Wireless Motion Sensor Node to Support Physiotherapy. <i>Sensors</i> , 2020 , 20,		3.8	1
4	Including widespread geometry schemas into Linked Data-based BIM applied to built heritage. <i>Proceedings of the Institution of Civil Engineers - Smart Infrastructure and Construction</i> , 2019 , 172, 34-51	0.5		1
3	Panoramic Image Application for Cultural Heritage. <i>Lecture Notes in Computer Science</i> , 2018 , 386-395	0.9		0
2	3D Laser scanning for FEM-based deformation analysis of a reconstructed masonry vault 2020 , 137-144			
1	A Generative and Entropy-Based Registration Approach for the Reassembly of Ancient Inscriptions. <i>Remote Sensing</i> , 2022 , 14, 6			5