

Andrea Masiero

List of Publications by Year in descending order

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74
papers

645
citations

687220

13
h-index

752573

20
g-index

75
all docs

75
docs citations

75
times ranked

724
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards Semantic Photogrammetry: Generating Semantically Rich Point Clouds from Architectural Close-Range Photogrammetry. <i>Sensors</i> , 2022, 22, 966.	2.1	13
2	Experimental Assessment of UWB and Vision-Based Car Cooperative Positioning System. <i>Remote Sensing</i> , 2021, 13, 4858.	1.8	15
3	LocSpeck: A Collaborative and Distributed Positioning System for Asymmetric Nodes Based on UWB Ad-Hoc Network and Wi-Fi Fingerprinting. <i>Sensors</i> , 2020, 20, 78.	2.1	19
4	Down-Sampling of Large LiDAR Dataset in the Context of Off-Road Objects Extraction. <i>Geosciences (Switzerland)</i> , 2020, 10, 219.	1.0	7
5	On the Use of the OptD Method for Building Diagnostics. <i>Remote Sensing</i> , 2020, 12, 1806.	1.8	6
6	A benchmarking measurement campaign in GNSS-denied/challenged indoor/outdoor and transitional environments. <i>Journal of Applied Geodesy</i> , 2020, 14, 215-229.	0.6	10
7	A Benchmarking Measurement Campaign to Support Ubiquitous Localization in GNSS Denied and Indoor Environments. <i>International Association of Geodesy Symposia</i> , 2020, , 1.	0.2	1
8	A Comparison of Indoor Positioning Approaches with UWB, IMU, WiFi and Magnetic Fingerprinting. <i>Communications in Computer and Information Science</i> , 2020, , 129-141.	0.4	0
9	Experimental Evaluation of a UWB-Based Cooperative Positioning System for Pedestrians in GNSS-Denied Environment. <i>Sensors</i> , 2019, 19, 5274.	2.1	19
10	Aiding Indoor Photogrammetry with UWB Sensors. <i>Photogrammetric Engineering and Remote Sensing</i> , 2019, 85, 369-378.	0.3	6
11	Towards Surveying with a Smartphone. <i>Lecture Notes in Geoinformation and Cartography</i> , 2018, , 167-176.	0.5	12
12	Implementation and assessment of two density-based outlier detection methods over large spatial point clouds. <i>Open Geospatial Data, Software and Standards</i> , 2018, 3, .	4.3	16
13	TLS and photogrammetry for 3D modelling of a low relief: case study of ancient archive, Palazzo Bo, Padua. , 2018, , .		0
14	Performance Evaluation of Two Indoor Mapping Systems: Low-Cost UWB-Aided Photogrammetry and Backpack Laser Scanning. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 416.	1.3	35
15	Mapping fire regimes in China using MODIS active fire and burned area data. <i>Applied Geography</i> , 2017, 85, 14-26.	1.7	55
16	A Low Cost UWB Based Solution for Direct Georeferencing UAV Photogrammetry. <i>Remote Sensing</i> , 2017, 9, 414.	1.8	33
17	Improved Feature Matching for Mobile Devices with IMU. <i>Sensors</i> , 2016, 16, 1243.	2.1	13
18	Toward the use of smartphones for mobile mapping. <i>Geo-Spatial Information Science</i> , 2016, 19, 210-221.	2.4	16

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19	Solar Irradiance Modelling with NASA WW GIS Environment. ISPRS International Journal of Geo-Information, 2015, 4, 711-724.	1.4	17
20	Evaluation of the dynamic processes of a landslide with laser scanners and Bayesian methods. Geomatics, Natural Hazards and Risk, 2015, 6, 614-634.	2.0	20
21	Preface to the special issue: the role of geomatics in hydrogeological risk. Geomatics, Natural Hazards and Risk, 2015, 6, 357-361.	2.0	9
22	Painting recognition with smartphones equipped with inertial measurement unit. , 2015, , .		1
23	A Particle Filter for Smartphone-Based Indoor Pedestrian Navigation. Micromachines, 2014, 5, 1012-1033.	1.4	44
24	Small Footprint Full-Waveform Metrics Contribution to the Prediction of Biomass in Tropical Forests. Remote Sensing, 2014, 6, 9576-9599.	1.8	26
25	Efficient algorithms for the reconstruction and prediction of atmospheric turbulence in AO systems. , 2014, , .		0
26	Affinity-based distributed algorithm for 3D reconstruction in large scale Visual Sensor Networks. , 2014, , .		2
27	Nonstationary multiscale turbulence simulation based on local PCA. ISA Transactions, 2014, 53, 1427-1435.	3.1	0
28	A structure-based approach for optimizing distributed reconstruction in Motion Capture systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 10914-10919.	0.4	0
29	On the computation of Kalman gain in large adaptive optics systems. , 2013, , .		1
30	Advances on multivariate image analysis for product quality monitoring. Journal of Process Control, 2013, 23, 89-98.	1.7	16
31	Multiscale phase screen synthesis based on local principal component analysis. Applied Optics, 2013, 52, 7987.	0.9	2
32	Turbulence modeling and Kalman prediction for the control of large AO systems. , 2013, , .		1
33	Multiscale phase screens synthesis based on local PCA. , 2013, , .		2
34	On the estimation of atmospheric turbulence layers for AO systems. , 2013, , .		0
35	A Kalman filter approach for the synchronization of motion capture systems. , 2012, , .		2
36	On triangulation algorithms in large scale camera network systems. , 2012, , .		6

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37	Turbulence modeling and estimation for AO systems. Proceedings of SPIE, 2012, , .	0.8	0
38	Nonstationary turbulence simulation with an efficient multiscale approach. , 2012, , .		0
39	Multiscale stochastic approach for phase screens synthesis. Applied Optics, 2011, 50, 4124.	2.1	16
40	An Improved Multivariate Image Analysis Method for Quality Control of Nanofiber Membranes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 12066-12071.	0.4	0
41	Improved multivariate image analysis for product quality monitoring. Chemometrics and Intelligent Laboratory Systems, 2011, 109, 42-50.	1.8	9
42	A multiscale stochastic approach for phase screens synthesis. , 2011, , .		0
43	Estimating turbulent phase characteristics in MCAO systems. , 2010, , .		1
44	Algorithms for turbulence compensation in large adaptive optics systems. , 2009, , .		0
45	On the estimation of atmospheric turbulence statistical characteristics. , 2009, , .		3
46	System theoretic tools in adaptive optics. , 2009, , .		0
47	Stochastic realization approach to the efficient simulation of phase screens. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 515.	0.8	31
48	A Markov-Random-Field-based approach to modeling and prediction of atmospheric turbulence. , 2008, , .		5
49	A comparison of Kalman filter based algorithms for turbulent phase control in an adaptive optics system. , 2008, , .		7
50	Atmospheric turbulence prediction: A PCA approach. , 2007, , .		6
51	A comparison between Zernike and PCA representation of atmospheric turbulence. , 2007, , .		5
52	A stochastic realization approach to the efficient simulation of phase screens. , 2007, , .		0
53	Non Linear Temporal Textures Synthesis: A Monte Carlo Approach. Lecture Notes in Computer Science, 2006, , 283-294.	1.0	11
54	TOWARDS AN INTEGRATED DESIGN METHODOLOGY FOR H-BIM. , 0, , .		1

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55	INITIAL EVALUATION OF 3D RECONSTRUCTION OF CLOSE OBJECTS WITH SMARTPHONE STEREO VISION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-1, 289-293.	0.2	7
56	EVALUATION OF DYNAMIC AD-HOC UWB INDOOR POSITIONING SYSTEM. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-1, 379-385.	0.2	3
57	MICRO-RADAR AND UWB AIDED UAV NAVIGATION IN GNSS DENIED ENVIRONMENT. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-1, 469-476.	0.2	12
58	TLS FOR DETECTING SMALL DAMAGES ON A BUILDING FAÇADE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W11, 831-836.	0.2	9
59	A COMPARISON OF UWB AND MOTION CAPTURE UAV INDOOR POSITIONING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W13, 1695-1699.	0.2	7
60	UAVS ENHANCED NAVIGATION IN OUTDOOR GNSS DENIED ENVIRONMENT USING UWB AND MONOCULAR CAMERA SYSTEMS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W13, 665-672.	0.2	3
61	COMPARISON OF LOW COST PHOTOGRAMMETRIC SURVEY WITH TLS AND LEICA PEGASUS BACKPACK 3D MODELSS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W8, 147-153.	0.2	12
62	FROM SURVEY TO FEM ANALYSIS FOR DOCUMENTATION OF BUILT HERITAGE: THE CASE STUDY OF VILLA REVEDIN-BOLASCO. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-5/W1, 527-533.	0.2	5
63	On the use of INS to improve Feature Matching. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1, 227-232.	0.2	2
64	UAV POSITIONING AND COLLISION AVOIDANCE BASED ON RSS MEASUREMENTS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1/W4, 219-225.	0.2	20
65	SEMI-AUTOMATED DETECTION OF SURFACE DEGRADATION ON BRIDGES BASED ON A LEVEL SET METHOD. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-3/W3, 15-21.	0.2	10
66	An ISVD-based Euclidian structure from motion for smartphones. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-5, 401-406.	0.2	8
67	Processing lidar waveform data for 3D visual assessment of forest environments. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-5, 493-499.	0.2	1
68	NDVI from Landsat 8 Vegetation Indices to Study Movement Dynamics of Capra Ibex in Mountain Areas. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-7, 147-153.	0.2	15
69	PHOTOGRAMMETRIC RECONSTRUCTION WITH BAYESIAN INFORMATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B1, 681-687.	0.2	0
70	A GEODATABASE FOR MULTISOURCE DATA APPLIED TO CULTURAL HERITAGE: THE CASE STUDY OF VILLA REVEDIN BOLASCO. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B5, 267-271.	0.2	2
71	PHOTOGRAMMETRIC 3D RECONSTRUCTION IN MATLAB: DEVELOPMENT OF A FREE TOOL. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W8, 141-145.	0.2	2
72	INDOOR PHOTOGRAMMETRY AIDED WITH UWB NAVIGATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2, 683-690.	0.2	1

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73	INITIAL EVALUATION OF THE POTENTIAL OF SMARTPHONE STEREO-VISION IN MUSEUM VISITS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W11, 837-842.	0.2	1
74	ASSESSMENT OF A PORTABLE TOF CAMERA AND COMPARISON WITH SMARTPHONE STEREO VISION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W17, 187-193.	0.2	3