

Andrea Masiero

List of Publications by Year in descending order

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74
papers

645
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687220

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752573

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g-index

75
all docs

75
docs citations

75
times ranked

724
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping fire regimes in China using MODIS active fire and burned area data. Applied Geography, 2017, 85, 14-26.	1.7	55
2	A Particle Filter for Smartphone-Based Indoor Pedestrian Navigation. Micromachines, 2014, 5, 1012-1033.	1.4	44
3	Performance Evaluation of Two Indoor Mapping Systems: Low-Cost UWB-Aided Photogrammetry and Backpack Laser Scanning. Applied Sciences (Switzerland), 2018, 8, 416.	1.3	35
4	A Low Cost UWB Based Solution for Direct Georeferencing UAV Photogrammetry. Remote Sensing, 2017, 9, 414.	1.8	33
5	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
6	Small Footprint Full-Waveform Metrics Contribution to the Prediction of Biomass in Tropical Forests. Remote Sensing, 2014, 6, 9576-9599.	1.8	26
7	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
8	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
9	Experimental Evaluation of a UWB-Based Cooperative Positioning System for Pedestrians in GNSS-Denied Environment. Sensors, 2019, 19, 5274.	2.1	19
10	LocSpeck: A Collaborative and Distributed Positioning System for Asymmetric Nodes Based on UWB Ad-Hoc Network and Wi-Fi Fingerprinting. Sensors, 2020, 20, 78.	2.1	19
11	Solar Irradiance Modelling with NASA WW GIS Environment. ISPRS International Journal of Geo-Information, 2015, 4, 711-724.	1.4	17
12	Multiscale stochastic approach for phase screens synthesis. Applied Optics, 2011, 50, 4124.	2.1	16
13	Advances on multivariate image analysis for product quality monitoring. Journal of Process Control, 2013, 23, 89-98.	1.7	16
14	Toward the use of smartphones for mobile mapping. Geo-Spatial Information Science, 2016, 19, 210-221.	2.4	16
15	Implementation and assessment of two density-based outlier detection methods over large spatial point clouds. Open Geospatial Data, Software and Standards, 2018, 3, .	4.3	16
16	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
17	Experimental Assessment of UWB and Vision-Based Car Cooperative Positioning System. Remote Sensing, 2021, 13, 4858.	1.8	15
18	Improved Feature Matching for Mobile Devices with IMU. Sensors, 2016, 16, 1243.	2.1	13

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19	Towards Semantic Photogrammetry: Generating Semantically Rich Point Clouds from Architectural Close-Range Photogrammetry. <i>Sensors</i> , 2022, 22, 966.	2.1	13
20	Towards Surveying with a Smartphone. <i>Lecture Notes in Geoinformation and Cartography</i> , 2018, , 167-176.	0.5	12
21	MICRO-RADAR AND UWB AIDED UAV NAVIGATION IN GNSS DENIED ENVIRONMENT. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-1, 469-476.	0.2	12
22	COMPARISON OF LOW COST PHOTOGRAMMETRIC SURVEY WITH TLS AND LEICA PEGASUS BACKPACK 3D MODELSS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W8, 147-153.	0.2	12
23	Non Linear Temporal Textures Synthesis: A Monte Carlo Approach. <i>Lecture Notes in Computer Science</i> , 2006, , 283-294.	1.0	11
24	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
25	SEMI-AUTOMATED DETECTION OF SURFACE DEGRADATION ON BRIDGES BASED ON A LEVEL SET METHOD. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-3/W3, 15-21.	0.2	10
26	Improved multivariate image analysis for product quality monitoring. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011, 109, 42-50.	1.8	9
27	Preface to the special issue: the role of geomatics in hydrogeological risk. <i>Geomatics, Natural Hazards and Risk</i> , 2015, 6, 357-361.	2.0	9
28	TLS FOR DETECTING SMALL DAMAGES ON A BUILDING FAÇADE. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W11, 831-836.	0.2	9
29	An ISVD-based Euclidian structure from motion for smartphones. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-5, 401-406.	0.2	8
30	A comparison of Kalman filter based algorithms for turbulent phase control in an adaptive optics system. , 2008, , .		7
31	Down-Sampling of Large LiDAR Dataset in the Context of Off-Road Objects Extraction. <i>Geosciences (Switzerland)</i> , 2020, 10, 219.	1.0	7
32	INITIAL EVALUATION OF 3D RECONSTRUCTION OF CLOSE OBJECTS WITH SMARTPHONE STEREO VISION. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-1, 289-293.	0.2	7
33	A COMPARISON OF UWB AND MOTION CAPTURE UAV INDOOR POSITIONING. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W13, 1695-1699.	0.2	7
34	Atmospheric turbulence prediction: A PCA approach. , 2007, , .		6
35	On triangulation algorithms in large scale camera network systems. , 2012, , .		6
36	On the Use of the OptD Method for Building Diagnostics. <i>Remote Sensing</i> , 2020, 12, 1806.	1.8	6

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37	Aiding Indoor Photogrammetry with UWB Sensors. Photogrammetric Engineering and Remote Sensing, 2019, 85, 369-378.	0.3	6
38	A comparison between Zernike and PCA representation of atmospheric turbulence. , 2007, , .		5
39	A Markov-Random-Field-based approach to modeling and prediction of atmospheric turbulence. , 2008, , .		5
40	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
41	On the estimation of atmospheric turbulence statistical characteristics. , 2009, , .		3
42	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
43	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
44	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
45	A Kalman filter approach for the synchronization of motion capture systems. , 2012, , .		2
46	Multiscale phase screen synthesis based on local principal component analysis. Applied Optics, 2013, 52, 7987.	0.9	2
47	Multiscale phase screens synthesis based on local PCA. , 2013, , .		2
48	Affinity-based distributed algorithm for 3D reconstruction in large scale Visual Sensor Networks. , 2014, , .		2
49	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
50	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
51	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
52	Estimating turbulent phase characteristics in MCAO systems. , 2010, , .		1
53	On the computation of Kalman gain in large adaptive optics systems. , 2013, , .		1
54	Turbulence modeling and Kalman prediction for the control of large AO systems. , 2013, , .		1

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55	Painting recognition with smartphones equipped with inertial measurement unit. , 2015, , .		1
56	A Benchmarking Measurement Campaign to Support Ubiquitous Localization in GNSS Denied and Indoor Environments. International Association of Geodesy Symposia, 2020, , 1.	0.2	1
57	TOWARDS AN INTEGRATED DESIGN METHODOLOGY FOR H-BIM. , 0, , .		1
58	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
59	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
60	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
61	A stochastic realization approach to the efficient simulation of phase screens. , 2007, , .		0
62	Algorithms for turbulence compensation in large adaptive optics systems. , 2009, , .		0
63	System theoretic tools in adaptive optics. , 2009, , .		0
64	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
65	A multiscale stochastic approach for phase screens synthesis. , 2011, , .		0
66	Turbulence modeling and estimation for AO systems. Proceedings of SPIE, 2012, , .	0.8	0
67	Nonstationary turbulence simulation with an efficient multiscale approach. , 2012, , .		0
68	Efficient algorithms for the reconstruction and prediction of atmospheric turbulence in AO systems. , 2014, , .		0
69	Nonstationary multiscale turbulence simulation based on local PCA. ISA Transactions, 2014, 53, 1427-1435.	3.1	0
70	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
71	TLS and photogrammetry for 3D modelling of a low relief: case study of ancient archive, Palazzo Bo, Padua. , 2018, , .		0
72	On the estimation of atmospheric turbulence layers for AO systems. , 2013, , .		0

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73	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
74	A Comparison of Indoor Positioning Approaches with UWB, IMU, WiFi and Magnetic Fingerprinting. Communications in Computer and Information Science, 2020, , 129-141.	0.4	0