

Filiberto Chiabrandò

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

1,585
citations

623574

14
h-index

526166

27
g-index

82
all docs

82
docs citations

82
times ranked

1582
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent trends in cultural heritage 3D survey: The photogrammetric computer vision approach. Journal of Cultural Heritage, 2018, 32, 257-266.	1.5	143
2	Sensors for 3D Imaging: Metric Evaluation and Calibration of a CCD/CMOS Time-of-Flight Camera. Sensors, 2009, 9, 10080-10096.	2.1	135
3	UAV and RPV systems for photogrammetric surveys in archaeological areas: two tests in the Piedmont region (Italy). Journal of Archaeological Science, 2011, 38, 697-710.	1.2	135
4	UAV Deployment Exercise for Mapping Purposes: Evaluation of Emergency Response Applications. Sensors, 2015, 15, 15717-15737.	2.1	124
5	ARCHAEOLOGICAL SITE MONITORING: UAV PHOTOGRAMMETRY CAN BE AN ANSWER. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXIX-B5, 583-588.	0.2	85
6	Local Site Effects and Incremental Damage of Buildings during the 2016 Central Italy Earthquake Sequence. Earthquake Spectra, 2018, 34, 1639-1669.	1.6	78
7	SfM for Orthophoto to Generation: A Winning Approach for Cultural Heritage Knowledge. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-5/W7, 91-98.	0.2	64
8	MODELING THE DECAY IN AN HBIM STARTING FROM 3D POINT CLOUDS. A FOLLOWED APPROACH FOR CULTURAL HERITAGE KNOWLEDGE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W5, 605-612.	0.2	48
9	UAV PHOTOGRAMMETRY WITH OBLIQUE IMAGES: FIRST ANALYSIS ON DATA ACQUISITION AND PROCESSING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B1, 835-842.	0.2	40
10	Accuracy Assessment of a UAV Block by Different Software Packages, Processing Schemes and Validation Strategies. ISPRS International Journal of Geo-Information, 2020, 9, 164.	1.4	38
11	Fusion of 3D models derived from TLS and image-based techniques for CH enhanced documentation. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, II-5, 73-80.	0.0	37
12	Reconnaissance of 2016 Central Italy Earthquake Sequence. Earthquake Spectra, 2018, 34, 1547-1555.	1.6	36
13	UAV photogrammetry for archaeological site survey. 3D models at the Hierapolis in Phrygia (Turkey). Virtual Archaeology Review, 2018, 9, 28.	0.8	36
14	HISTORICAL BUILDINGS MODELS AND THEIR HANDLING VIA 3D SURVEY: FROM POINTS CLOUDS TO USER-ORIENTED HBIM. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B5, 633-640.	0.2	28
15	Hybrid 3D Models: When Geomatics Innovations Meet Extensive Built Heritage Complexes. ISPRS International Journal of Geo-Information, 2019, 8, 124.	1.4	27
16	THE INFLUENCE OF FLIGHT PLANNING AND CAMERA ORIENTATION IN UAVs PHOTOGRAMMETRY. A TEST IN THE AREA OF ROCCA SAN SILVESTRO (LI), TUSCANY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W3, 163-170.	0.2	26
17	Phased Reconnaissance Approach to Documenting Landslides following the 2016 Central Italy Earthquakes. Earthquake Spectra, 2018, 34, 1693-1719.	1.6	25
18	UAV STRATEGIES VALIDATION AND REMOTE SENSING DATA FOR DAMAGE ASSESSMENT IN POST-DISASTER SCENARIOS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W4, 121-128.	0.2	25

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19	DIRECT PHOTOGRAMMETRY USING UAV: TESTS AND FIRST RESULTS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1/W2, 81-86.	0.2	25
20	Boosting the Timeliness of UAV Large Scale Mapping. Direct Georeferencing Approaches: Operational Strategies and Best Practices. ISPRS International Journal of Geo-Information, 2020, 9, 578.	1.4	21
21	A Multidisciplinary Study on the Seismic Vulnerability of St. Agostino Church in Amatrice following the 2016 Seismic Sequence. International Journal of Architectural Heritage, 2020, 14, 885-902.	1.7	20
22	THE IPAD PRO BUILT-IN LIDAR SENSOR: 3D RAPID MAPPING TESTS AND QUALITY ASSESSMENT. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B1-2021, 63-69.	0.2	20
23	POINTS CLOUDS GENERATION USING TLS AND DENSE-MATCHING TECHNIQUES. A TEST ON APPROACHABLE ACCURACIES OF DIFFERENT TOOLS. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, II-5/W1, 67-72.	0.0	20
24	UAV oblique photogrammetry and lidar data acquisition for 3D documentation of the Hercules Fountain. Virtual Archaeology Review, 2017, 8, 83.	0.8	17
25	A methodology for acquisition and processing of thermal data acquired by UAVs: a test about subfluvial springsâ€™ investigations. Geomatics, Natural Hazards and Risk, 2017, 8, 5-17.	2.0	16
26	DIGITAL INVASIONS: FROM POINT CLOUDS TO HISTORICAL BUILDING OBJECT MODELING (H-BOM) OF A UNESCO WHL SITE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W3, 171-178.	0.2	16
27	A EUROPEAN INTEROPERABLE DATABASE (EID) TO INCREASE RESILIENCE OF CULTURAL HERITAGE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W4, 151-158.	0.2	15
28	3D modelling of trompe l'oeil decorated vaults using dense matching techniques. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, II-5, 97-104.	0.0	15
29	DEEP LEARNING FOR AUTOMATIC BUILDING DAMAGE ASSESSMENT: APPLICATION IN POST-DISASTER SCENARIOS USING UAV DATA. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, V-1-2021, 113-120.	0.0	12
30	â€œTORINO 1911â€•PROJECT: A CONTRIBUTION OF A SLAM-BASED SURVEY TO EXTENSIVE 3D HERITAGE MODELING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2, 225-234.	0.2	12
31	A COMPARISON AMONG DIFFERENT OPTIMIZATION LEVELS IN 3D MULTI-SENSOR MODELS. A TEST CASE IN EMERGENCY CONTEXT: 2016 ITALIAN EARTHQUAKE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W3, 155-162.	0.2	12
32	Cultural Heritage Documentation, Analysis and Management Using Building Information Modelling: State of the Art and Perspectives. Intelligent Systems, Control and Automation: Science and Engineering, 2018, , 181-202.	0.3	11
33	3D MODELING OF GIRIFALCO FORTRESS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W9, 473-478.	0.2	11
34	Terrestrial Laser Scanning and Settled Techniques: A Support to Detect Pathologies and Safety Conditions of Timber Structures. Advanced Materials Research, 0, 778, 350-357.	0.3	10
35	Sequential Earthquake Damage Assessment Incorporating Optimized sUAV Remote Sensing at Pescara del Tronto. Geosciences (Switzerland), 2019, 9, 332.	1.0	10
36	Integrated Geophysics and Geomatics Surveys in the Valley of the Kings. Sensors, 2020, 20, 1552.	2.1	10

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37	Documentation of Complex Environments Using 360° Cameras. The Santa Marta Belltower in Montanaro. <i>Remote Sensing</i> , 2021, 13, 3633.	1.8	10
38	New Instruments and Technologies for Cultural Heritage Survey: Full Integration between Point Clouds and Digital Photogrammetry. <i>Lecture Notes in Computer Science</i> , 2010, , 56-70.	1.0	10
39	MULTITEMPORAL 3D MODELLING FOR CULTURAL HERITAGE EMERGENCY DURING SEISMIC EVENTS: DAMAGE ASSESSMENT OF S. AGOSTINO CHURCH IN AMATRICE (RI). <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-5/W1, 69-76.	0.2	10
40	ARE MEASURED GROUND CONTROL POINTS STILL REQUIRED IN UAV BASED LARGE SCALE MAPPING? ASSESSING THE POSITIONAL ACCURACY OF AN RTK MULTI-ROTOR PLATFORM. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLIII-B1-2020, 507-514.	0.2	10
41	An Original Application of Image Recognition Based Location in Complex Indoor Environments. <i>ISPRS International Journal of Geo-Information</i> , 2017, 6, 56.	1.4	9
42	USE AND EVALUATION OF A SHORT RANGE SMALL QUADCOPTER AND A PORTABLE IMAGING LASER FOR BUILT HERITAGE 3D DOCUMENTATION. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-1, 71-78.	0.2	9
43	A didactic project for landscape heritage mapping in post-disaster management. <i>Applied Geomatics</i> , 2015, 7, 49-60.	1.2	8
44	3D DIGITAL AND PHYSICAL RECONSTRUCTION OF A COLLAPSED DOME USING SFM TECHNIQUES FROM HISTORICAL IMAGES. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W11, 217-224.	0.2	8
45	Digital wide scale orthoprojections and mapping from low-height aerial images. <i>Journal of Cultural Heritage</i> , 2009, 10, e49-e58.	1.5	7
46	PRELIMINARY EVALUATION OF A COMMERCIAL 360 MULTI-CAMERA RIG FOR PHOTOGRAMMETRIC PURPOSES. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2, 1113-1120.	0.2	7
47	UAV DIRECT GEOREFERENCING APPROACH IN AN EMERGENCY MAPPING CONTEXT. THE 2016 CENTRAL ITALY EARTHQUAKE CASE STUDY. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W13, 247-253.	0.2	7
48	FROM ARCHIVE DOCUMENTATION TO ONLINE 3D MODEL VISUALIZATION OF NO LONGER EXISTING STRUCTURES: THE TURIN 1911 PROJECT. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLIII-B2-2020, 837-844.	0.2	7
49	IMAGE PRE-PROCESSING STRATEGIES FOR ENHANCING PHOTOGRAMMETRIC 3D RECONSTRUCTION OF UNDERWATER SHIPWRECK DATASETS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLIII-B2-2020, 941-948.	0.2	5
50	Survey, Assessment and Conservation of Post-industrial Cultural Heritage: The Case of the Thin Concrete Vault in Casale, Italy. <i>RILEM Bookseries</i> , 2019, , 1401-1409.	0.2	4
51	Digital Segusio: from models generation to urban reconstruction. <i>Virtual Archaeology Review</i> , 2016, 7, 87.	0.8	4
52	INTEGRATED IMAGING APPROACHES SUPPORTING THE EXCAVATION ACTIVITIES. MULTI-SCALE GEOSPATIAL DOCUMENTATION IN HIERAPOLIS (TK). <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2, 1075-1082.	0.2	4
53	THE 4DILAN PROJECT (4TH DIMENSION IN LANDSCAPE AND ARTIFACTS ANALYSES). <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-5/W1, 227-234.	0.2	4
54	OBLIQUE IMAGES AND DIRECT PHOTOGRAMMETRY WITH A FIXED WING PLATFORM: FIRST TEST AND RESULTS IN HIERAPOLIS OF PHRYGIA (TK). <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLIII-B2-2020, 75-82.	0.2	4

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55	Recovering a collapsed medieval fresco by using 3D modeling techniques. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, II-5, 105-112.	0.0	4
56	TLS MODELS GENERATION ASSISTED BY UAV SURVEY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B5, 413-420.	0.2	4
57	GeoEye vs. QuickBird: operational potentialities, limits, and integration for fast map production. , 2010, , .		3
58	3D roof model generation and analysis supporting solar system positioning. Geomatica, 2017, 71, 137-153.	0.5	3
59	PHOTOGRAMMETRIC UNDERWATER AND UAS SURVEYS OF ARCHAEOLOGICAL SITES: THE CASE STUDY OF THE ROMAN SHIPWRECK OF TORRE SANTA SABINA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B2-2021, 643-650.	0.2	3
60	360° IMAGES FOR UAV MULTISENSOR DATA FUSION: FIRST TESTS AND RESULTS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W13, 227-234.	0.2	3
61	PERFORMANCE EVALUATION OF COTS UAV FOR ARCHITECTURAL HERITAGE DOCUMENTATION. A TEST ON S.GIULIANO CHAPEL IN SAVIGLIANO (CN) â€“ ITALY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W6, 77-84.	0.2	3
62	THE GEOMATICS CONTRIBUTION FOR THE VALORISATION PROJECT IN THE ROCCA OF SAN SILVESTRO LANDSCAPE SITE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-5/W1, 495-502.	0.2	3
63	TLS DATA FOR 2D REPRESENTATION AND 3D MODELING. DIFFERENT APPROACHES TESTED IN THE CASE OF SAN GIOVANNI IN SALUZZO (CN) ITALY. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, II-5/W1, 37-42.	0.0	3
64	Integration between calibrated time-of-flight camera data and multi-image matching approach for architectural survey. , 2010, , .		2
65	TOF Cameras for Architectural Surveys. , 2013, , 139-164.		2
66	Image and Range-Based 3D Acquisition and Modeling of Popular Musical Instruments. Proceedings From the Document Academy, 2018, 5, .	0.1	2
67	Accuracy Assessment of a Photogrammetric UAV Block by using Different Software and Adopting Diverse Processing Strategies. , 2019, , .		2
68	New Sensors for Cultural Heritage Metric Survey: The ToF Cameras. Geoinformatics FCE CTU, 0, 6, 307-313.	0.4	2
69	MODELLING COLOUR ABSORPTION OF UNDERWATER IMAGES USING SFM-MVS GENERATED DEPTH MAPS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B2-2022, 959-966.	0.2	2
70	NEW DEVELOPMENTS IN LIDAR UAS SURVEYS. PERFORMANCE ANALYSES AND VALIDATION OF THE DJI ZENMUSE L1. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B1-2022, 415-422.	0.2	2
71	UAV systems for photogrammetric recording in archaeological areas: problems, suggestions, and products. , 2009, , .		1
72	Challenging multi-sensor data models and use of 360 images. The Twelve Months Fountain of Valentino park in Turin.. IOP Conference Series: Materials Science and Engineering, 2020, 949, 012060.	0.3	1

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73	DOCUMENTATION OF A COMPLEX CULTURAL HERITAGE ASSET WITH INTEGRATED GEOMATIC SURVEY: THE MONTANARO BELL TOWER. , 0, , .		1
74	UP4DREAM CAPACITY BUILDING PROJECT: UAS BASED MAPPING IN DEVELOPING COUNTRIES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B5-2021, 65-72.	0.2	1
75	UAV PHOTOGRAMMETRY AND VHR SATELLITE IMAGERY FOR EMERGENCY MAPPING. THE OCTOBER 2020 FLOOD IN LIMONE PIEMONTE (ITALY). International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2021, 727-734.	0.2	1
76	CALIBRATING AND EVALUATING A RANGE CAMERA FOR CULTURAL HERITAGE METRIC SURVEY. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, II-5/W1, 271-276.	0.0	1
77	DATA OPTIMIZATION FOR 3D MODELING AND ANALYSIS OF A FORTRESS ARCHITECTURE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W11, 809-813.	0.2	1
78	3D DOCUMENTATION TOWARDS HERITAGE CONSERVATION: A RAPID MAPPING APPROACH APPLIED TO BAHRAIN FORTS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B2-2022, 769-776.	0.2	1
79	Analysis of Image based Indoor Positioning Results in Complex Indoor Environment. , 0, , .		0
80	GEOMATIC CONTRIBUTION FOR THE RESTORATION PROJECT OF THE VALENTINO CASTLE GREEN ROOM. FROM DATA ACQUISITION TO INTEGRATED DOCUMENTATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B2-2020, 885-892.	0.2	0