

# Gabriella Caroti

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

354  
citations

1307366

7  
h-index

1125617

13  
g-index

33  
all docs

33  
docs citations

33  
times ranked

264  
citing authors

#	ARTICLE	IF	CITATIONS
1	From the Semantic Point Cloud to Heritage-Building Information Modeling: A Semiautomatic Approach Exploiting Machine Learning. <i>Remote Sensing</i> , 2021, 13, 461.	1.8	57
2	ACCURACY ASSESSMENT IN STRUCTURE FROM MOTION 3D RECONSTRUCTION FROM UAV-BORN IMAGES: THE INFLUENCE OF THE DATA PROCESSING METHODS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-1/W4, 103-109.	0.2	47
3	Structure from motion (SfM) processing of UAV images and combination with terrestrial laser scanning, applied for a 3D-documentation in a hazardous situation. <i>Geomatics, Natural Hazards and Risk</i> , 2017, 8, 1492-1504.	2.0	32
4	SEMANTIC ANNOTATIONS ON HERITAGE MODELS: 2D/3D APPROACHES AND FUTURE RESEARCH CHALLENGES. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLIII-B2-2020, 829-836.	0.2	23
5	Mitigation of human error consequences in general cargo handler logistics: Impact of RFID implementation. <i>Computers and Industrial Engineering</i> , 2019, 137, 106038.	3.4	20
6	HBIM METHODOLOGIES FOR THE ARCHITECTURAL RESTORATION. THE CASE OF THE EX-CHURCH OF SAN QUIRICO ALL'OLIVO IN LUCCA, TUSCANY. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W11, 121-126.	0.2	18
7	The use of image and laser scanner survey archives for cultural heritage 3D modelling and change analysis. <i>Acta IMEKO (2012)</i> , 2021, 10, 114.	0.4	15
8	3-DIMENSIONAL GEOMETRIC SURVEY AND STRUCTURAL MODELLING OF THE DOME OF PISA CATHEDRAL. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W3, 39-46.	0.2	15
9	Digital Technology and Mechatronic Systems for the Architectural 3D Metric Survey. <i>Intelligent Systems, Control and Automation: Science and Engineering</i> , 2018, , 161-180.	0.3	14
10	Frescoed Vaults: Accuracy Controlled Simplified Methodology for Planar Development of Three-Dimensional Textured Models. <i>Remote Sensing</i> , 2016, 8, 239.	1.8	10
11	RECONSTRUCTION OF LOST ARCHITECTURAL VOLUMES BY INTEGRATION OF PHOTOGRAMMETRY FROM ARCHIVE IMAGERY WITH 3-D MODELS OF THE STATUS QUO. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W9, 119-125.	0.2	10
12	RANGE AND IMAGE BASED MODELLING: A WAY FOR FRESCOED VAULT TEXTURING OPTIMIZATION. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-5/W4, 285-290.	0.2	9
13	UAV-Borne photogrammetry: a low cost 3D surveying methodology for cartographic update. <i>MATEC Web of Conferences</i> , 2017, 120, 09005.	0.1	8
14	3D SURVEY TECHNIQUES FOR THE ARCHITECTURAL RESTORATION: THE CASE OF ST. AGATA IN PISA. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-5/W1, 441-447.	0.2	8
15	A Methodology for Planar Representation of Frescoed Oval Domes: Formulation and Testing on Pisa Cathedral. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 318.	1.4	7
16	Survey, experimental tests and mechanical modelling of the dome of Pisa Cathedral: a multidisciplinary study. <i>International Journal of Masonry Research and Innovation</i> , 2020, 5, 142.	0.3	7
17	From survey to semantic representation for Cultural Heritage: the 3D modeling of recurring architectural elements. <i>Acta IMEKO (2012)</i> , 2021, 10, 98.	0.4	7
18	THE ACCURACY ANALYSIS OF LIDAR-DERIVED ELEVATION DATA FOR THE GEOMETRIC DESCRIPTION OF CROSS-SECTIONS OF A RIVERBED. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-5/W3, 51-57.	0.2	6

#	ARTICLE	IF	CITATIONS
19	COMPUTATIONAL VISION IN UV-MAPPING OF TEXTURED MESHES COMING FROM PHOTOGRAMMETRIC RECOVERY: UNWRAPPING FRESCOED VAULTS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B5, 391-398.	0.2	6
20	INDOOR PHOTOGRAMMETRY USING UAVS WITH PROTECTIVE STRUCTURES: ISSUES AND PRECISION TESTS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W4, 137-142.	0.2	5
21	Measurement of cross-slope of roads: evaluations, algorithms and accuracy analysis. Survey Review, 2010, 42, 92-104.	0.7	4
22	Low-Altitude UAV-Borne Remote Sensing in Dunes Environment: Shoreline Monitoring and Coastal Resilience. Lecture Notes in Computer Science, 2018, , 281-293.	1.0	4
23	COMPUTATIONAL VISION IN UV-MAPPING OF TEXTURED MESHES COMING FROM PHOTOGRAMMETRIC RECOVERY: UNWRAPPING FRESCOED VAULTS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B5, 391-398.	0.2	4
24	ASSESSMENT OF EARTHQUAKE-INDUCED DAMAGE LEVEL ON BUILDINGS: ANALYSIS OF TWO DIFFERENT SURVEY METHODS FOR A CASE STUDY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W15, 351-358.	0.2	4
25	Propagation of semantic information between orthophoto and 3D replica: a H-BIM system for the north transept of Pisa Cathedral. Geomatics, Natural Hazards and Risk, 2021, 12, 2225-2252.	2.0	3
26	UAV-Borne Photogrammetric Survey as USAR Firefighter Teams Support. Lecture Notes in Computer Science, 2017, , 3-15.	1.0	3
27	Geomatics monitoring and models of the insalination of the freshwaters phenomenon along the Pisan coastline. Applied Geomatics, 2015, 7, 243-253.	1.2	2
28	Orientation of archive images on 3D digital models of painted vaults: an interesting tool for restorers. Applied Geomatics, 2018, 10, 385-398.	1.2	2
29	THE ELEVATION NET FOR THE SALTWATER INTRUSION PHENOMENON ANALYSIS IN THE COASTAL PLAIN OF PISA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-5/W3, 99-105.	0.2	2
30	Integration of Laser Scanning and Photogrammetry in Architecture Survey. Open Issue in Geomatics and Attention to Details. Communications in Computer and Information Science, 2020, , 170-185.	0.4	1
31	Kinematic Positioning: From Mobile Mapping Systems to Unmanned Aerial Vehicles at Pisa University. Lecture Notes in Geoinformation and Cartography, 2018, , 261-270.	0.5	1
32	Integrated geomatic survey and virtual reality navigation engines for the historical-architectural analysis. The paradigmatic case of a "Modern Age" fortification: the Fortezza Vecchia in Livorno., 2018, , .		0