

Valerio Baiocchi

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

744
citations

759055

12
h-index

642610

23
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65
all docs

65
docs citations

65
times ranked

856
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of Dual Frequency GNSS Observations from a Xiaomi Mi 8 Android Smartphone and Positioning Performance Analysis. <i>Electronics (Switzerland)</i> , 2019, 8, 91.	1.8	126
2	Horizontal accuracy assessment of very high resolution Google Earth images in the city of Rome, Italy. <i>International Journal of Digital Earth</i> , 2016, 9, 342-362.	1.6	88
3	UAV APPLICATION IN POST " SEISMIC ENVIRONMENT. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-1/W2, 21-25.	0.2	55
4	Exploring Rooftop Rainwater Harvesting Potential for Food Production in Urban Areas. <i>Agriculture (Switzerland)</i> , 2017, 7, 46.	1.4	35
5	Land suitability for waste disposal in metropolitan areas. <i>Waste Management and Research</i> , 2014, 32, 707-716.	2.2	32
6	An application of COSMO-Sky Med to coastal erosion studies. <i>European Journal of Remote Sensing</i> , 2012, 45, 361-370.	1.7	31
7	Shoreline Extraction Based on an Active Connection Matrix (ACM) Image Enhancement Strategy. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 9.	1.2	25
8	UAV for monitoring the settlement of a landfill. <i>European Journal of Remote Sensing</i> , 2019, 52, 41-52.	1.7	24
9	High Resolution Satellite Images for Instantaneous Shoreline Extraction Using New Enhancement Algorithms. <i>Geosciences (Switzerland)</i> , 2019, 9, 123.	1.0	23
10	Geo-volcanological, mineralogical and environmental aspects of quarry materials related to pleural neoplasm in the area of Biancavilla, Mount Etna (Eastern Sicily, Italy). <i>Environmental Geology</i> , 2005, 47, 855-868.	1.2	22
11	Automatic three-dimensional features extraction: The case study of L'Aquila for collapse identification after April 06, 2009 earthquake. <i>European Journal of Remote Sensing</i> , 2014, 47, 413-435.	1.7	16
12	A PROMPT METHODOLOGY TO GEOREFERENCE COMPLEX HYPOGAEA ENVIRONMENTS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W3, 639-644.	0.2	15
13	SCAN TO BIM FOR 3D RECONSTRUCTION OF THE PAPAL BASILICA OF SAINT FRANCIS IN ASSISI IN ITALY. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-5/W1, 47-54.	0.2	15
14	Development of a software to optimize and plan the acquisitions from UAV and a first application in a post-seismic environment. <i>European Journal of Remote Sensing</i> , 2014, 47, 477-496.	1.7	14
15	Rapid building damage assessment using EROS B data: the case study of L'Aquila earthquake. <i>European Journal of Remote Sensing</i> , 0, , 153-165.	0.2	14
16	Accuracy of 1908 high to medium scale cartography of Rome and its surroundings and related georeferencing problems. <i>Acta Geodaetica Et Geophysica Hungarica</i> , 2010, 45, 97-104.	0.4	13
17	Remote Sensing of Urban Microclimate Change in L'Aquila City (Italy) after Post-Earthquake Depopulation in an Open Source GIS Environment. <i>Sensors</i> , 2017, 17, 404.	2.1	12
18	Reconstructing the Late Pleistocene " Anthropocene interaction between the neotectonic and archaeological landscape evolution in the Apennines (La Sassa cave, Italy). <i>Quaternary Science Reviews</i> , 2021, 265, 107067.	1.4	12

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19	Three-dimensional multispectral classification and its application to early seismic damage assessment. <i>European Journal of Remote Sensing</i> , 2010, , 49-65.	0.2	12
20	Qualitative and quantitative evaluation of the influence of anthropic pressure on subsidence in a sedimentary basin near Rome. <i>Environmental Earth Sciences</i> , 2014, 72, 4223-4236.	1.3	11
21	PHOTOGRAMMETRIC SURVEY WITH FISHEYE LENS FOR THE CHARACTERIZATION OF THE LA SASSA CAVE. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W9, 25-32.	0.2	11
22	The survey of the Basilica di Collemaggio in L'Aquila with a system of terrestrial imaging and most proven techniques. <i>European Journal of Remote Sensing</i> , 2017, 50, 237-253.	1.7	10
23	Test of a building vulnerability model for L'Aquila earthquake. <i>Applied Geomatics</i> , 2012, 4, 95-103.	1.2	9
24	A flexible and swift approach for 3D image-based survey in a cave. <i>Applied Geomatics</i> , 2020, , 1.	1.2	9
25	Automatic Shoreline Detection from Eight-Band VHR Satellite Imagery. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 459.	1.2	8
26	USING OPTICAL SATELLITE AND AERIAL IMAGERY FOR AUTOMATIC COASTLINE MAPPING. <i>Geographia Technica</i> , 2020, 15, 171-190.	0.2	8
27	Unmanned aerial vehicle for post seismic and other hazard scenarios. <i>WIT Transactions on the Built Environment</i> , 2013, , .	0.0	8
28	Unsupervised classification based approach for coastline extraction from Sentinel-2 imagery. , 2021, , .		7
29	First geomatic restitution of the sinkhole known as "Pozzo del Merro" (Italy), with the integration and comparison of "classic" and innovative geomatic techniques. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	6
30	AUGUSTO'S SUNDIAL: IMAGE-BASED MODELING FOR REVERSE ENGINEERING PURPOSES. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W3, 63-69.	0.2	6
31	Morphological updating on the basis of integrated DTMs: study on the Albano and Nemi craters. <i>Journal of Applied Geodesy</i> , 2008, 2, .	0.6	5
32	The sundial of Augustus and its survey: unresolved issues and possible solutions. <i>Acta Geodaetica Et Geophysica</i> , 2016, 51, 527-540.	0.7	5
33	THREE-DIMENSIONAL SURVEY OF GUATTARI CAVE WITH TRADITIONAL AND MOBILE PHONE CAMERAS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W11, 37-41.	0.2	5
34	How to Orient and Orthorectify PRISMA Images and Related Issues. <i>Remote Sensing</i> , 2022, 14, 1991.	1.8	5
35	ACYOTB Plugin: Tool for Accurate Orthorectification in Open-Source Environments. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 11.	1.4	4
36	PANSHARPENING TECHNIQUES TO DETECT MASS MONUMENT DAMAGING IN IRAQ. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-5/W1, 121-126.	0.2	4

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37	THE FUSION OF EXTERNAL AND INTERNAL 3D PHOTOGRAMMETRIC MODELS AS A TOOL TO INVESTIGATE THE ANCIENT HUMAN/CAVE INTERACTION: THE LA SASSA CASE STUDY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B2-2020, 1443-1450.	0.2	4
38	INTEGRATED SURVEYING FOR THE ARCHAEOLOGICAL DOCUMENTATION OF A NEOLITHIC SITE. Geographia Technica, 2016, 11, 39-49.	0.2	3
39	Suitability of Averaging GPS/GNSS Paths to Build Geometrically Correct Digital Road Maps. Geographia Technica, 2017, 12, 1-9.	0.2	3
40	A new methodology to manage Italian geodetic datums of the cadastral systems and of the historic maps. Applied Geomatics, 2013, 5, 147-153.	1.2	2
41	First Tests of the Altimetric and Thermal Accuracy of an UAV Landfill Survey. , 2018, , .		2
42	Measuring and leveling roman aqueducts to estimate their flows. , 2018, , .		2
43	Integrated Geomatic Techniques for Georeferencing and Reconstructing the Position of Underground Archaeological Sites: The Case Study of the Augustus Sundial (Rome). Remote Sensing, 2020, 12, 4064.	1.8	2
44	Use of the sensors of a latest generation mobile phone for the three-dimensional reconstruction of an archaeological monument: the survey of the Intihuatana stone in Machu Picchu (Peru™). IOP Conference Series: Materials Science and Engineering, 2020, 949, 012106.	0.3	2
45	Combining continuous monitoring and High-Precision altitude measurements in forensic groundwater surveys: a case study of chlorinated solvent pollution in an urban context. Environmental Forensics, 0, , 1-13.	1.3	2
46	Roman Aqueduct Flow Estimation Using Geomatic Measurement. ISPRS International Journal of Geo-Information, 2021, 10, 360.	1.4	2
47	INTEGRATED GEOMATIC TECHNIQUES FOR THE LOCALIZATION AND GEOREFERENCING OF ANCIENT HERMITAGES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLVI-M-1-2021, 31-37.	0.2	2
48	INTEGRATED SURVEY FOR TENSIONAL ANALYSIS OF THE VAULT OF THE CHURCH OF SAN NICOLA IN MONTEDORO. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W11, 455-460.	0.2	2
49	GEOMATIC METHODOLOGIES FOR THE STUDY OF <i>TEATRO MASSIMO</i> IN PALERMO (ITALY). International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-5/W1, 475-480.	0.2	2
50	Integrated survey for the reconstruction of the Papal Basilica and the Sacred Convent of St. Francis in Assisi, Italy. Journal of Physics: Conference Series, 2018, 1110, 012007.	0.3	1
51	Pre-Bonifica maps of the Agro Pontino:an assessment. , 2018, , .		1
52	Geomatic measurement of "New Aniene" and "Claudia" roman aqueducts for flows estimation. IOP Conference Series: Materials Science and Engineering, 2020, 949, 012078.	0.3	1
53	Photogrammetric Approaches for the Virtual Reconstruction of Damaged Historical Remains. Lecture Notes in Computer Science, 2017, , 271-281.	1.0	1
54	RECONSTRUCTION OF HISTORICAL GEODETIC SYSTEMS FOR THEIR IMPLEMENTATION IN REPROJECTION ALGORITHMS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W11, 127-131.	0.2	1

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55	Solutions and limitations of the geomatic survey of an archaeological site in hard to access areas with a latest generation smartphone: the example of the Intihuatana stone in Machu Picchu (Peru). Acta IMEKO (2012), 2022, 11, 8.	0.4	1
56	First considerations on post processing kinematic GNSS data during a geophysical oceanographic cruise. Acta IMEKO (2012), 2021, 10, 10.	0.4	1
57	Ancient landscape reconstruction using archive data from the Pontine Plain (Italy): the Caprolace lagoon case study. Journal of Physics: Conference Series, 2022, 2204, 012015.	0.3	1
58	Employing high resolution satellite images to update urban maps at medium-large scale and its impact in developing countries. , 0, , .		0
59	Imaging rover technology: characteristics, possibilities and possible improvements. Journal of Physics: Conference Series, 2018, 1110, 012008.	0.3	0
60	A NEW BRANCH OF THE ANIO NOVUS AQUEDUCT (ROME, ITALY) REVEALED BY ARCHAEOLOGY AND GEOPHYSICS. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, VIII-M-1-2021, 49-56.	0.0	0
61	The Contribution of Open-Source GIS Software and Open Spatial Data for the Re-Evaluation of Landslide Risk and Hazard in View of Climate Change. Geographia Technica, 2021, , 153-162.	0.2	0
62	EDITORIAL FOR SPECIAL ISSUE: "GEOMATICS APPLICATION FOR GEOGRAPHY (GAG)" in GEOGRAPHIA TECHNICA. Geographia Technica, 2021, , .	0.2	0
63	Technical observations about a possible new portion of the Aqua Iulia Roman aqueduct in the municipality of Ciampino (Italy).. Journal of Physics: Conference Series, 2022, 2204, 012097.	0.3	0