

Fabio Menna

List of Publications by Year in descending order

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35
papers

1,364
citations

759233

12
h-index

839539

18
g-index

35
all docs

35
docs citations

35
times ranked

1400
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing Seagrass Restoration Actions through a Micro-Bathymetry Survey Approach (Italy.) Tj ETQq1 1 0.784314,rgBT /Overlock 10	2.7	10
2	A V-SLAM Guided and Portable System for Photogrammetric Applications. Remote Sensing, 2021, 13, 2351.	4.0	9
3	Underwater Survey for Oil and Gas Industry: A Review of Close Range Optical Methods. Remote Sensing, 2021, 13, 2789.	4.0	16
4	3D Surveying of Underground Built Heritage: Opportunities and Challenges of Mobile Technologies. Sustainability, 2021, 13, 13289.	3.2	15
5	Coral Reef Monitoring by Scuba Divers Using Underwater Photogrammetry and Geodetic Surveying. Remote Sensing, 2020, 12, 3036.	4.0	23
6	Photogrammetry: Linking the World across the Water Surface. Journal of Marine Science and Engineering, 2020, 8, 128.	2.6	8
7	Flexible Photogrammetric Computations Using Modular Bundle Adjustment: The Chain Rule and the Collinearity Equations. Photogrammetric Engineering and Remote Sensing, 2019, 85, 361-368.	0.6	4
8	Towards real-time underwater photogrammetry for subsea metrology applications. , 2019, , .		15
9	Underwater photogrammetry in Antarctica: long-term observations in benthic ecosystems and legacy data rescue. Polar Biology, 2019, 42, 1061-1079.	1.2	31
10	Photogrammetry of the Human Brain: A Novel Method for Three-Dimensional Quantitative Exploration of the Structural Connectivity in Neurosurgery and Neurosciences. World Neurosurgery, 2018, 115, e279-e291.	1.3	41
11	State of the art and applications in archaeological underwater 3D recording and mapping. Journal of Cultural Heritage, 2018, 33, 231-248.	3.3	68
12	Valorisation of history and landscape for promoting the memory of WWI. Journal of Cultural Heritage, 2018, 29, 113-122.	3.3	18
13	Optical aberrations in underwater photogrammetry with flat and hemispherical dome ports. Proceedings of SPIE, 2017, , .	0.8	13
14	Investigation of indoor and outdoor performance of two portable mobile mapping systems. Proceedings of SPIE, 2017, , .	0.8	55
15	Geometric and Optic Characterization of a Hemispherical Dome Port for Underwater Photogrammetry. Sensors, 2016, 16, 48.	3.8	71
16	Comparison between single and multi-camera view videogrammetry for estimating 6DOF of a rigid body. , 2015, , .		3
17	Improving automated 3D reconstruction methods via vision metrology. , 2015, , .		5
18	Gas-Drone: Portable gas sensing system on UAVs for gas leakage localization. , 2014, , .		71

#	ARTICLE	IF	CITATIONS
19	State of the art in high density image matching. Photogrammetric Record, 2014, 29, 144-166.	0.4	446
20	Hybrid survey method for 3D digital recording and documentation of maritime heritage. Applied Geomatics, 2014, 6, 81-93.	2.5	7
21	Dense image matching: Comparisons and analyses. , 2013, , .		49
22	Investigation of a consumer-grade digital stereo camera. Proceedings of SPIE, 2013, , .	0.8	0
23	High accuracy low-cost videogrammetric system: an application to 6DOF estimation of ship models. , 2013, , .		0
24	A photogrammetric approach to survey floating and semi-submerged objects. Proceedings of SPIE, 2013, , .	0.8	21
25	Design and implement a reality-based 3D digitisation and modelling project. , 2013, , .		19
26	GNSS/INS aided precise re-photographing. , 2012, , .		4
27	Geometric investigation of a gaming active device. , 2011, , .		41
28	Low-cost human motion capture system for postural analysis onboard ships. , 2011, , .		6
29	A Multi-Resolution Methodology for the 3D Modeling of Large and Complex Archeological Areas. International Journal of Architectural Computing, 2009, 7, 39-55.	1.5	139
30	MODULAR BUNDLE ADJUSTMENT FOR PHOTOGRAMMETRIC COMPUTATIONS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2, 133-140.	0.2	4
31	IMPROVING UNDERWATER ACCURACY BY EMPIRICAL WEIGHTING OF IMAGE OBSERVATIONS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2, 699-705.	0.2	7
32	DIVERS-OPERATED UNDERWATER PHOTOGRAMMETRY: APPLICATIONS IN THE STUDY OF ANTARCTIC BENTHOS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2, 885-892.	0.2	15
33	A CRITICAL REVIEW OF AUTOMATED PHOTOGRAMMETRIC PROCESSING OF LARGE DATASETS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W5, 591-599.	0.2	95
34	AN OPEN SOURCE LOW-COST AUTOMATIC SYSTEM FOR IMAGE-BASED 3D DIGITIZATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W8, 155-162.	0.2	17
35	GEOMETRIC CALIBRATION AND RADIOMETRIC CORRECTION OF THE MAIA MULTISPECTRAL CAMERA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W3, 149-156.	0.2	20