

# Marco Piras

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1437162/publications.pdf>

Version: 2024-02-01

42  
papers

821  
citations

933264

10  
h-index

752573

20  
g-index

45  
all docs

45  
docs citations

45  
times ranked

981  
citing authors

#	ARTICLE	IF	CITATIONS
1	Challenges and Possibilities of Archaeological Sites Virtual Tours: The Ulaca Oppidum (Central Spain) as a Case Study. <i>Remote Sensing</i> , 2022, 14, 524.	1.8	10
2	Comparison of Free and Open PPP Services for Master-base Positioning in Geodetic Disadvantaged Areas: Case Study along the Sirba River in Sub-Saharan Africa. , 2022, , .		1
3	Towards a Combined Use of Geophysics and Remote Sensing Techniques for the Characterization of a Singular Building: "El Torre" (the Tower) at Ulaca Oppidum (Solosancho, Ávila, Spain). <i>Sensors</i> , 2021, 21, 2934.	2.1	9
4	Survey Solutions for 3D Acquisition and Representation of Artificial and Natural Caves. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6482.	1.3	8
5	Loosely Coupled GNSS and UWB with INS Integration for Indoor/Outdoor Pedestrian Navigation. <i>Sensors</i> , 2020, 20, 6292.	2.1	23
6	Individual Tree Detection from UAV Imagery Using Hölder Exponent. <i>Remote Sensing</i> , 2020, 12, 2407.	1.8	10
7	GNSS Positioning Using Mobile Devices with the Android Operating System. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 220.	1.4	22
8	Toward Autonomous Driving in Arctic Areas. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2020, 12, 10-24.	2.6	8
9	The use of unmanned aerial vehicles (UAVs) for engineering geology applications. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 3437-3481.	1.6	183
10	The impact of innovative and emerging technologies on the surveying activities. <i>Applied Geomatics</i> , 2020, 12, 1-2.	1.2	2
11	Toward Real-time Geodetic Monitoring of Landslides with GNSS Mass-market Devices. , 2020, , 227-243.		0
12	Performances and New Aspects of Multi-GNSS, Dual Frequency and Low-Cost Receivers in Harsh Urban Environments. <i>Communications in Computer and Information Science</i> , 2020, , 77-90.	0.4	0
13	Smartphone-Based Photogrammetry for the 3D Modeling of a Geomorphological Structure. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3884.	1.3	21
14	Estimating the Available Sight Distance in the Urban Environment by GIS and Numerical Computing Codes. <i>ISPRS International Journal of Geo-Information</i> , 2019, 8, 69.	1.4	7
15	SKA aperture array verification system: electromagnetic modeling and beam pattern measurements using a micro UAV. <i>Experimental Astronomy</i> , 2018, 45, 1-20.	1.6	32
16	Photogrammetric visual odometry with unmanned ground vehicle using low cost sensors. , 2018, , .		3
17	Indoor positioning using Ultra-wide band (UWB) technologies: Positioning accuracies and sensors' performances. , 2018, , .		64
18	Centimetric Accuracy in Snow Depth Using Unmanned Aerial System Photogrammetry and a MultiStation. <i>Remote Sensing</i> , 2018, 10, 765.	1.8	46

#	ARTICLE	IF	CITATIONS
19	Mobile mapping systems and spatial data collection strategies assessment in the identification of horizontal alignment of highways. <i>Transportation Research Part C: Emerging Technologies</i> , 2017, 79, 257-273.	3.9	22
20	A methodology for acquisition and processing of thermal data acquired by UAVs: a test about subfluvial springsâ€™ investigations. <i>Geomatics, Natural Hazards and Risk</i> , 2017, 8, 5-17.	2.0	16
21	Detailed geological mapping in mountain areas using an unmanned aerial vehicle: application to the Rodoretto Valley, NW Italian Alps. <i>Geomatics, Natural Hazards and Risk</i> , 2017, 8, 137-149.	2.0	55
22	Network Real Time Kinematic (NRTK) Positioning â€™ Description, Architectures and Performances. , 2015, , .		16
23	Performance of low-cost GNSS receiver for landslides monitoring: test and results. <i>Geomatics, Natural Hazards and Risk</i> , 2015, 6, 497-514.	2.0	83
24	Landslide Susceptibility Zoning Using GIS Tools: An Application in the Germanasca Valley (NW Italy). , 2015, , 177-181.		3
25	Augmented positioning with CORSs network services using GNSS mass-market receivers. , 2014, , .		6
26	GSTOP: a new tool for 3D geomorphological survey and mapping. <i>European Journal of Remote Sensing</i> , 2013, 46, 234-249.	1.7	9
27	GIMPHI: a new integration approach for early impact assessment. <i>Applied Geomatics</i> , 2011, 3, 241-249.	1.2	7
28	Low cost mobile mapping systems: an Italian experience. , 2008, , .		12
29	STRATEGIES TO EVALUATE THE VISIBILITY ALONG AN INDOOR PATH IN A POINT CLOUD REPRESENTATION. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, IV-2/W4, 311-317.	0.0	5
30	RASPBERRY PI 3 MULTISPECTRAL LOW-COST SENSOR FOR UAV BASED REMOTE SENSING. CASE STUDY IN SOUTH-WEST NIGER. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W13, 207-214.	0.2	13
31	LASER-VISUAL-INERTIAL ODOMETRY BASED SOLUTION FOR 3D HERITAGE MODELING: THE SANCTUARY OF THE BLESSED VIRGIN OF TROMPONE. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W15, 215-222.	0.2	8
32	HANDHELD VOLUMETRIC SCANNER FOR 3D PRINTED INTEGRATIONS OF HISTORICAL ELEMENTS: COMPARISON AND RESULTS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W15, 381-388.	0.2	5
33	3D MODELING OF INDUSTRIAL HERITAGE BUILDING USING COTSs SYSTEM: TEST, LIMITS AND PERFORMANCES. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W6, 281-288.	0.2	22
34	UAV PHOTOGRAMMETRIC SOLUTION USING A RASPBERRY PI CAMERA MODULE AND SMART DEVICES: TEST AND RESULTS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-2/W6, 289-296.	0.2	7
35	URBAN DATA COLLECTION USING A BIKE MOBILE SYSTEM WITH A FOSS ARCHITECTURE. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-4/W2, 3-9.	0.2	1
36	CHARACTERIZATION OF A MOBILE MAPPING SYSTEM FOR SEAMLESS NAVIGATION. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLIII-B1-2020, 227-234.	0.2	6

#	ARTICLE	IF	CITATIONS
37	SPECIFIC ALPINE ENVIRONMENT LAND COVER CLASSIFICATION METHODOLOGY: GOOGLE EARTH ENGINE PROCESSING FOR SENTINEL-2 DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2020, 663-670.	0.2	7
38	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
39	Sensors integration for smartphone navigation: performances and future challenges. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-3, 9-16.	0.2	12
40	3D GIS BASED EVALUATION OF THE AVAILABLE SIGHT DISTANCE TO ASSESS SAFETY OF URBAN ROADS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-3/W3, 137-143.	0.2	15
41	Evaluation Of Mass Market Devices For The Documentation Of The Cultural Heritage. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-5, 17-22.	0.2	6
42	UNDERWATER PHOTOGRAMMETRY: POTENTIALITIES AND PROBLEMS RESULTS OF THE BENCHMARK SESSION OF THE 2019 SIFET CONGRESS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B2-2020, 925-931.	0.2	2