# Marco Piras

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | The use of unmanned aerial vehicles (UAVs) for engineering geology applications. Bulletin of Engineering Geology and the Environment, 2020, 79, 3437-3481. | 1.6 | 183 |
| 2 | Performance of low-cost GNSS receiver for landslides monitoring: test and results. Geomatics, Natural Hazards and Risk, 2015, 6, 497-514. | 2.0 | 83 |
| 3 | Indoor positioning using Ultra-wide band (UWB) technologies: Positioning accuracies and sensors' performances. , 2018, , . | | 64 |
| 4 | Detailed geological mapping in mountain areas using an unmanned aerial vehicle: application to the Rodoretto Valley, NW Italian Alps. Geomatics, Natural Hazards and Risk, 2017, 8, 137-149. | 2.0 | 55 |
| 5 | Centimetric Accuracy in Snow Depth Using Unmanned Aerial System Photogrammetry and a MultiStation. Remote Sensing, 2018, 10, 765. | 1.8 | 46 |
| 6 | SKA aperture array verification system: electromagnetic modeling and beam pattern measurements using a micro UAV. Experimental Astronomy, 2018, 45, 1-20. | 1.6 | 32 |
| 7 | 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 |
| 8 | Loosely Coupled GNSS and UWB with INS Integration for Indoor/Outdoor Pedestrian Navigation. Sensors, 2020, 20, 6292. | 2.1 | 23 |
| 9 | Mobile mapping systems and spatial data collection strategies assessment in the identification of horizontal alignment of highways. Transportation Research Part C: Emerging Technologies, 2017, 79, 257-273. | 3.9 | 22 |
| 10 | GNSS Positioning Using Mobile Devices with the Android Operating System. ISPRS International Journal of Geo-Information, 2020, 9, 220. | 1.4 | 22 |
| 11 | 3D MODELING OF INDUSTRIAL HERITAGE BUILDING USING COTSs SYSTEM: TEST, LIMITS AND PERFORMANCES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W6, 281-288. | 0.2 | 22 |
| 12 | Smartphone-Based Photogrammetry for the 3D Modeling of a Geomorphological Structure. Applied Sciences (Switzerland), 2019, 9, 3884. | 1.3 | 21 |
| 13 | Network Real Time Kinematic (NRTK) Positioning â€“ Description, Architectures and Performances. , 2015, , . | | 16 |
| 14 | 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 |
| 15 | 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 |
| 16 | RASPBERRY PI 3 MULTISPECTRAL LOW-COST SENSOR FOR UAV BASED REMOTE SENSING. CASE STUDY IN SOUTH-WEST NIGER. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W13, 207-214. | 0.2 | 13 |
| 17 | Low cost mobile mapping systems: an Italian experience. , 2008, , . | | 12 |
| 18 | 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 |

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|---|---|---|---|
| 19 | Individual Tree Detection from UAV Imagery Using HÃ¶lder Exponent. Remote Sensing, 2020, 12, 2407. | 1.8 | 10 |
| 20 | Challenges and Possibilities of Archaeological Sites Virtual Tours: The Ulaca Oppidum (Central Spain) as a Case Study. Remote Sensing, 2022, 14, 524. | 1.8 | 10 |
| 21 | GSTOP: a new tool for 3D geomorphological survey and mapping. European Journal of Remote Sensing, 2013, 46, 234-249. | 1.7 | 9 |
| 22 | Towards a Combined Use of Geophysics and Remote Sensing Techniques for the Characterization of a Singular Building: â€œEl TorreÃ³nâ€•(the Tower) at Ulaca Oppidum (Solosancho, Ãvila, Spain). Sensors, 2021, 21, 2934. | 2.1 | 9 |
| 23 | Toward Autonomous Driving in Arctic Areas. IEEE Intelligent Transportation Systems Magazine, 2020, 12, 10-24. | 2.6 | 8 |
| 24 | Survey Solutions for 3D Acquisition and Representation of Artificial and Natural Caves. Applied Sciences (Switzerland), 2021, 11, 6482. | 1.3 | 8 |
| 25 | LASER-VISUAL-INERTIAL ODOMETRY BASED SOLUTION FOR 3D HERITAGE MODELING: THE SANCTUARY OF THE BLESSED VIRGIN OF TROMPONE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W15, 215-222. | 0.2 | 8 |
| 26 | GIMPHI: a new integration approach for early impact assessment. Applied Geomatics, 2011, 3, 241-249. | 1.2 | 7 |
| 27 | Estimating the Available Sight Distance in the Urban Environment by GIS and Numerical Computing Codes. ISPRS International Journal of Geo-Information, 2019, 8, 69. | 1.4 | 7 |
| 28 | UAV PHOTOGRAMMETRIC SOLUTION USING A RASPBERRY PI CAMERA MODULE AND SMART DEVICES: TEST AND RESULTS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W6, 289-296. | 0.2 | 7 |
| 29 | 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 |
| 30 | Augmented positioning with CORSs network services using GNSS mass-market receivers. , 2014, , . | | 6 |
| 31 | CHARACTERIZATION OF A MOBILE MAPPING SYSTEM FOR SEAMLESS NAVIGATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B1-2020, 227-234. | 0.2 | 6 |
| 32 | 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 |
| 33 | STRATEGIES TO EVALUATE THE VISIBILITY ALONG AN INDOOR PATH IN A POINT CLOUD REPRESENTATION. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-2/W4, 311-317. | 0.0 | 5 |
| 34 | HANDHELD VOLUMETRIC SCANNER FOR 3D PRINTED INTEGRATIONS OF HISTORICAL ELEMENTS: COMPARISON AND RESULTS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W15, 381-388. | 0.2 | 5 |
| 35 | Photogrammetric visual odometry with unmanned ground vehicle using low cost sensors. , 2018, , . | | 3 |
| 36 | Landslide Susceptibility Zoning Using GIS Tools: An Application in the Germanasca Valley (NW Italy). , 2015, , 177-181. | | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | The impact of innovative and emerging technologies on the surveying activities. Applied Geomatics, 2020, 12, 1-2. | 1.2 | 2 |
| 38 | 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 |
| 39 | URBAN DATA COLLECTION USING A BIKE MOBILE SYSTEM WITH A FOSS ARCHITECTURE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W2, 3-9. | 0.2 | 1 |
| 40 | 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 |
| 41 | Toward Real-time Geodetic Monitoring of Landslides with GNSS Mass-market Devices. , 2020, , 227-243. | | 0 |
| 42 | Performances and New Aspects of Multi-GNSS, Dual Frequency and Low-Cost Receivers in Harsh Urban Environments. Communications in Computer and Information Science, 2020, , 77-90. | 0.4 | 0 |