

Maurizio Lualdi

List of Publications by Year in descending order

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28
papers

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840776

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28
all docs

28
docs citations

28
times ranked

436
citing authors

#	ARTICLE	IF	CITATIONS
1	Landmine Detection Using Autoencoders on Multipolarization GPR Volumetric Data. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 182-195.	6.3	28
2	Characterization of the Internal Structure of Landmines Using Ground-Penetrating Radar. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 266-270.	3.1	7
3	On the moisture migration of concrete subject to high temperature with different heating rates. Cement and Concrete Research, 2021, 146, 106492.	11.0	27
4	Masonry texture reconstruction for building seismic assessment: Practical evaluation and potentials of Ground Penetrating Radar methodology. Construction and Building Materials, 2021, 299, 124189.	7.2	7
5	Ballistic Ground Penetrating Radar Equipment for Blast-Exposed Security Applications. Remote Sensing, 2020, 12, 717.	4.0	7
6	Step-Frequency Ground Penetrating Radar for Agricultural Soil Morphology Characterisation. Remote Sensing, 2019, 11, 1075.	4.0	12
7	Sparse Ground Penetrating Radar Acquisition: Implication for Buried Landmine Localization and Reconstruction. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 362-366.	3.1	6
8	Multi-Azimuth Ground Penetrating Radar Surveys to Improve the Imaging of Complex Fractures. Geosciences (Switzerland), 2018, 8, 425.	2.2	3
9	Convolutional Autoencoder for Landmine Detection on GPR Scans. , 2018, , .		16
10	Ground-Penetrating Radar monitoring of concrete at high temperature. Construction and Building Materials, 2017, 151, 881-888.	7.2	17
11	Landmine detection from GPR data using convolutional neural networks. , 2017, , .		70
12	Preliminary results on multi offset GPR for imaging of landmines. , 2017, , .		1
13	Utilities detection through the sum of orthogonal polarization in 3D georadar surveys. Near Surface Geophysics, 2015, 13, 73-82.	1.2	9
14	A method to estimate concrete hydraulic conductivity of underground tunnel to assess lining degradation. Tunnelling and Underground Space Technology, 2015, 50, 415-423.	6.2	15
15	Combining orthogonal polarization for elongated target detection with GPR. Journal of Geophysics and Engineering, 2014, 11, 055006.	1.4	18
16	Effects of antenna orientation on 3-D ground penetrating radar surveys: an archaeological perspective. Geophysical Journal International, 2014, 196, 818-827.	2.4	20
17	Significance of GPR polarisation for improving target detection and characterisation. Nondestructive Testing and Evaluation, 2014, 29, 345-356.	2.1	20
18	Orthogonal polarization approach for three dimensional georadar surveys. NDT and E International, 2013, 60, 87-99.	3.7	11

#	ARTICLE	IF	CITATIONS
19	3D Acquisition Using GPR over Small Areas: A Cost Effective Solution. , 2011, , .		7
20	Radar investigation as a complementary tool for the diagnosis of historic masonry buildings. International Journal of Materials and Structural Integrity, 2011, 5, 1.	0.1	19
21	Analysis of Approximations and Aperture Distortion for 3D Migration of Bistatic Radar Data with the Two-Step Approach. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.7	1
22	Investigation strategies for the diagnosis of historic structures: on-site tests on Avio Castle, Italy, and PiAjece Castle, Slovenia. Canadian Journal of Civil Engineering, 2008, 35, 555-566.	1.3	17
23	Non-Destructive Testing Techniques Applied for Diagnostic Investigation: Syracuse Cathedral in Sicily, Italy. International Journal of Architectural Heritage, 2007, 1, 380-402.	3.1	23
24	Testing a Safe Acquisition Procedure for an Effective Application of GPR to Security Operations. , 2005, , .		5
25	The use of georadar to assess damage to a masonry Bell Tower in Cremona, Italy. NDT and E International, 2005, 38, 171-179.	3.7	77
26	The PSG, a New Positioning System to Execute 3D GPR Surveys for Utility Mapping. , 2003, , .		3
27	<title>GPR investigations to reconstruct the geometry of the wooden structures in historical buildings</title>. , 2002, , .		5
28	<title>Ultrahigh-frequency radar sensor for humanitarian demining tested on different scenarios in 3D imaging mode</title>. , 2002, 4758, 240.		7