

# Maurizio Lualdi

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

458  
citations

840776

11  
h-index

794594

19  
g-index

28  
all docs

28  
docs citations

28  
times ranked

436  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Landmine detection from GPR data using convolutional neural networks. , 2017, , .		70
3	Landmine Detection Using Autoencoders on Multipolarization GPR Volumetric Data. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 182-195.	6.3	28
4	On the moisture migration of concrete subject to high temperature with different heating rates. Cement and Concrete Research, 2021, 146, 106492.	11.0	27
5	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
6	Effects of antenna orientation on 3-D ground penetrating radar surveys: an archaeological perspective. Geophysical Journal International, 2014, 196, 818-827.	2.4	20
7	Significance of GPR polarisation for improving target detection and characterisation. Nondestructive Testing and Evaluation, 2014, 29, 345-356.	2.1	20
8	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
9	Combining orthogonal polarization for elongated target detection with GPR. Journal of Geophysics and Engineering, 2014, 11, 055006.	1.4	18
10	Investigation strategies for the diagnosis of historic structures: on-site tests on Avio Castle, Italy, and PiÅiece Castle, Slovenia. Canadian Journal of Civil Engineering, 2008, 35, 555-566.	1.3	17
11	Ground-Penetrating Radar monitoring of concrete at high temperature. Construction and Building Materials, 2017, 151, 881-888.	7.2	17
12	Convolutional Autoencoder for Landmine Detection on GPR Scans. , 2018, , .		16
13	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
14	Step-Frequency Ground Penetrating Radar for Agricultural Soil Morphology Characterisation. Remote Sensing, 2019, 11, 1075.	4.0	12
15	Orthogonal polarization approach for three dimensional georadar surveys. NDT and E International, 2013, 60, 87-99.	3.7	11
16	Utilities detection through the sum of orthogonal polarization in 3D georadar surveys. Near Surface Geophysics, 2015, 13, 73-82.	1.2	9
17	<title>Ultrahigh-frequency radar sensor for humanitarian demining tested on different scenarios in 3D imaging mode</title>. , 2002, 4758, 240.		7
18	âœTrueâœ3D Acquisition Using GPR over Small Areas: A Cost Effective Solution. , 2011, , .		7

#	ARTICLE	IF	CITATIONS
19	Ballistic Ground Penetrating Radar Equipment for Blast-Exposed Security Applications. Remote Sensing, 2020, 12, 717.	4.0	7
20	Characterization of the Internal Structure of Landmines Using Ground-Penetrating Radar. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 266-270.	3.1	7
21	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
22	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
23	<title>GPR investigations to reconstruct the geometry of the wooden structures in historical buildings</title>. , 2002, , .		5
24	Testing a Safe Acquisition Procedure for an Effective Application of GPR to Security Operations. , 2005, , .		5
25	Multi-Azimuth Ground Penetrating Radar Surveys to Improve the Imaging of Complex Fractures. Geosciences (Switzerland), 2018, 8, 425.	2.2	3
26	The PSG, a New Positioning System to Execute 3D GPR Surveys for Utility Mapping. , 2003, , .		3
27	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
28	Preliminary results on multi offset GPR for imaging of landmines. , 2017, , .		1