

Michele Cercato

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

490
citations

758635

12
h-index

887659

17
g-index

18
all docs

18
docs citations

18
times ranked

505
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical resistivity and seismic refraction tomography to detect buried cavities. <i>Geophysical Prospecting</i> , 2010, 58, 685-695.	1.0	117
2	Characterization of an earth-filled dam through the combined use of electrical resistivity tomography, P- and SH-wave seismic tomography and surface wave data. <i>Journal of Applied Geophysics</i> , 2014, 106, 87-95.	0.9	81
3	Addressing non-uniqueness in linearized multichannel surface wave inversion. <i>Geophysical Prospecting</i> , 2009, 57, 27-47.	1.0	55
4	Underground cavity investigation within the city of Rome (Italy): A multi-disciplinary approach combining geological and geophysical data. <i>Engineering Geology</i> , 2013, 152, 109-121.	2.9	41
5	Detection and imaging of piping sinkholes by integrated geophysical methods. <i>Near Surface Geophysics</i> , 2014, 12, 439-450.	0.6	37
6	Global surface wave inversion with model constraints. <i>Geophysical Prospecting</i> , 2011, 59, 210-226.	1.0	28
7	Shear-wave velocity profiling at sites with high stiffness contrasts: a comparison between invasive and non-invasive methods. <i>Near Surface Geophysics</i> , 2010, 8, 75-94.	0.6	20
8	Assessing foundation stability and soil-structure interaction through integrated geophysical techniques: a case history in Rome (Italy). <i>Near Surface Geophysics</i> , 2007, 5, 141-147.	0.6	18
9	Surface and borehole geophysics for the rehabilitation of a concrete dam (Penne, Central Italy). <i>Engineering Geology</i> , 2018, 241, 1-10.	2.9	17
10	The underground cavity network of south-eastern Rome (Italy): an evolutionary geological model oriented to hazard assessment. <i>Bulletin of Engineering Geology and the Environment</i> , 2011, 70, 533-542.	1.6	16
11	Geophysical investigation for the rehabilitation of a flood control embankment. <i>Near Surface Geophysics</i> , 2010, 8, 287-296.	0.6	14
12	Italian accelerometric archive: geological, geophysical and geotechnical investigations at strong-motion stations. <i>Bulletin of Earthquake Engineering</i> , 2010, 8, 1189-1207.	2.3	12
13	Pavement testing by integrated geophysical methods: Feasibility, resolution and diagnostic potential. <i>Journal of Applied Geophysics</i> , 2017, 136, 462-473.	0.9	11
14	Sensitivity of Rayleigh wave ellipticity and implications for surface wave inversion. <i>Geophysical Journal International</i> , 2018, 213, 489-510.	1.0	8
15	Characterization of a Pre-Trajan Wall by Integrated Geophysical Methods. <i>Archaeological Prospection</i> , 2015, 22, 221-232.	1.1	6
16	Dynamic characterization of the hill of Civita di Bagnoregio (Viterbo, Central Italy) for seismic response analysis. <i>Engineering Geology</i> , 2020, 266, 105463.	2.9	6
17	Geophysical investigations for the identification of active seismic faults below alluvium for seismic hazard assessment. <i>Near Surface Geophysics</i> , 2021, 19, 127-139.	0.6	2
18	Focusing on soil-foundation heterogeneity through high-resolution electrical and seismic tomography. <i>Near Surface Geophysics</i> , 2018, 16, 67-78.	0.6	1