Giancarlo Dal Moro

List of Publications by Year
in descending order

39 papers	882 citations	516710 16 h-index	501196 28 g-index
42 all docs	42 docs citations	42 times ranked	672 citing authors

#	Article	IF	Citations
1	Rayleigh wave dispersion curve inversion via genetic algorithms and Marginal Posterior Probability Density estimation. Journal of Applied Geophysics, 2007, 61, 39-55.	2.1	147
2	Joint inversion of surface wave dispersion curves and reflection travel times via multi-objective evolutionary algorithms. Journal of Applied Geophysics, 2007, 61, 56-81.	2.1	68
3	Joint analysis of Rayleigh- and Love-wave dispersion: Issues, criteria and improvements. Journal of Applied Geophysics, 2011, 75, 573-589.	2.1	58
4	Multi-component joint analysis of surface waves. Journal of Applied Geophysics, 2015, 119, 128-138.	2.1	51
5	Haze removal for highâ€resolution satellite data: a case study. International Journal of Remote Sensing, 2007, 28, 2187-2205.	2.9	50
6	Timeâ€lapse tomography. Geophysics, 2003, 68, 815-823.	2.6	49
7	Determination of Rayleigh wave dispersion curves for near surface applications in unconsolidated sediments. , 2003, , .		42
8	VS and VP vertical profiling via joint inversion of Rayleigh waves and refraction travel times by means of bi-objective evolutionary algorithm. Journal of Applied Geophysics, 2008, 66, 15-24.	2.1	41
9	Joint analysis of Rayleigh-wave dispersion and HVSR of lunar seismic data from the Apollo 14 and 16 sites. Icarus, 2015, 254, 338-349.	2.5	37
10	Subsurface deformations induced by rainfall and atmospheric pressure: tilt/strain measurements in the NE-Italy seismic area. Earth and Planetary Science Letters, 1998, 164, 193-203.	4.4	35
11	Radon and tilt measurements in a seismic area: Temperature effects. Physics and Chemistry of the Earth, 2000, 25, 233-237.	0.6	31
12	Multifold ground-penetrating radar and resistivity to study the stratigraphy of shallow unconsolidated sediments. The Leading Edge, 2003, 22, 876-881.	0.7	27
13	Improved Holistic Analysis of Rayleigh Waves for Single- and Multi-Offset Data: Joint Inversion of Rayleigh-Wave Particle Motion and Vertical- and Radial-Component Velocity Spectra. Pure and Applied Geophysics, 2018, 175, 67-88.	1.9	23
14	Unconventional optimized surface wave acquisition and analysis: Comparative tests in a perilagoon area. Journal of Applied Geophysics, 2015, 114, 158-167.	2.1	22
15	Shear-wave velocity profiling according to three alternative approaches: A comparative case study. Journal of Applied Geophysics, 2016, 134, 112-124.	2.1	20
16	Surface wave analysis: improving the accuracy of the shear-wave velocity profile through the efficient joint acquisition and Full Velocity Spectrum (FVS) analysis of Rayleigh and Love waves. Exploration Geophysics, 2019, 50, 408-419.	1.1	17
17	Remarkable tiltâ€“strain anomalies preceding two seismic events in Friuli (NE Italy): their interpretation as precursors. Earth and Planetary Science Letters, 1999, 170, 119-129.	4.4	16
18	Analysis of Rayleighâ€Wave Particle Motion from Active Seismics. Bulletin of the Seismological Society of America, 2017, 107, 51-62.	2.3	15

#	Article	IF	Citations
19	Strain monitoring of active faults in the central Apennines (Italy) during the period 2002â€“2017. Tectonophysics, 2019, 750, 22-35.	2.2	14
20	Effective Active and Passive Seismics for the Characterization of Urban and Remote Areas: Four Channels for Seven Objective Functions. Pure and Applied Geophysics, 2019, 176, 1445-1465.	1.9	14
21	On the efficient acquisition and holistic analysis of Rayleigh waves: Technical aspects and two comparative case studies. Soil Dynamics and Earthquake Engineering, 2019, 125, 105742.	3.8	11
22	The magnifying effect of a thin shallow stiff layer on Love waves as revealed by multi-component analysis of surface waves. Scientific Reports, 2020, 10, 9071.	3.3	11
23	Cavity effect on Rayleigh wave dispersion and P-wave refraction. Earthquake Engineering and Engineering Vibration, 2021, 20, 79-88.	2.3	10
24	A comprehensive seismic characterisation via multi-component analysis of active and passive data. First Break, 2015, 33, .	0.4	10
25	Velocity spectra and seismicâ€signal identification for surfaceâ€wave analysis. Near Surface Geophysics, 2006, 4, 243-251.	1.2	8
26	On the Identification of Industrial Components in the Horizontal-to-Vertical Spectral Ratio (HVSR) from Microtremors. Pure and Applied Geophysics, 2020, 177, 3831-3849.	1.9	7
27	Single- and multi-component inversion of Rayleigh waves acquired bya single 3-component geophone: an illustrative case study. Acta Geodynamica Et Geomaterialia, 2017, , 431-444.	0.5	7
28	Gaussian-filtered Horizontal Motion (GHM) plots of non-synchronous ambient microtremors for the identification of flexural and torsional modes of a building. Soil Dynamics and Earthquake Engineering, 2018, 112, 243-255.	3.8	5
29	Assessing ground compaction via time lapse surface wave analysis. Acta Geodynamica Et Geomaterialia, 2016, , 249-256.	0.5	5
30	Multiple-peak HVSR curves: Management and statistical assessment. Engineering Geology, 2022, 297, 106500.	6.3	3
31	Tilt-strain measurements in the NE Italy seismic area: Precursor analysis and atmospheric noise effects. Physics and Chemistry of the Earth, 2000, 25, 271-276.	0.6	2
32	Efficient Joint Analysis of Surface Waves and Introduction to Vibration Analysis: Beyond the ClichÃ©s. , 2020, , .		2
33	Shear-Wave Velocity Reconstruction via Unconventional Joint Analysis of Surface Waves: A Case Study in the Light of Some Theoretical Aspects. , 2015, , 1177-1182.		2
34	A 3D seismic survey for groundwater protection. , 2001, , .		1
35	Surface-Wave Analysis Beyond the Dispersion Curves: FVS. , 2020, , 55-72.		1
36	HVSR, Amplifications and ESAC: Some Clarifications. , 2020, , 73-112.		0

#	Article	IF	Citations
37	Some Final Remarks and Recommendations. , 2020, , 195-210.		0
38	New Trends: HS, MAAM and Beyond. , 2020, , 113-150.		0
39	Introduction: A Miscellanea. , 2020, , 1-53.		0