

# Giancarlo Dal Moro

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Multiple-peak HVSr curves: Management and statistical assessment. <i>Engineering Geology</i> , 2022, 297, 106500.   | 6.3 | 3         |
| 2  | Cavity effect on Rayleigh wave dispersion and P-wave refraction. <i>Earthquake Engineering and Engineering Vibration</i> , 2021, 20, 79-88.   | 2.3 | 10        |
| 3  | The magnifying effect of a thin shallow stiff layer on Love waves as revealed by multi-component analysis of surface waves. <i>Scientific Reports</i> , 2020, 10, 9071.   | 3.3 | 11        |
| 4  | Efficient Joint Analysis of Surface Waves and Introduction to Vibration Analysis: Beyond the Clicks. , 2020, , .  |     | 2         |
| 5  | HVSr, Amplifications and ESAC: Some Clarifications. , 2020, , 73-112.   |     | 0         |
| 6  | On the Identification of Industrial Components in the Horizontal-to-Vertical Spectral Ratio (HVSr) from Microtremors. <i>Pure and Applied Geophysics</i> , 2020, 177, 3831-3849.  | 1.9 | 7         |
| 7  | Some Final Remarks and Recommendations. , 2020, , 195-210.  |     | 0         |
| 8  | Surface-Wave Analysis Beyond the Dispersion Curves: FVS. , 2020, , 55-72.   |     | 1         |
| 9  | New Trends: HS, MAAM and Beyond. , 2020, , 113-150.   |     | 0         |
| 10 | Introduction: A Miscellanea. , 2020, , 1-53.  |     | 0         |
| 11 | On the efficient acquisition and holistic analysis of Rayleigh waves: Technical aspects and two comparative case studies. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 125, 105742.  | 3.8 | 11        |
| 12 | 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. <i>Exploration Geophysics</i> , 2019, 50, 408-419. | 1.1 | 17        |
| 13 | Strain monitoring of active faults in the central Apennines (Italy) during the period 2002-2017. <i>Tectonophysics</i> , 2019, 750, 22-35.  | 2.2 | 14        |
| 14 | Effective Active and Passive Seismics for the Characterization of Urban and Remote Areas: Four Channels for Seven Objective Functions. <i>Pure and Applied Geophysics</i> , 2019, 176, 1445-1465.   | 1.9 | 14        |
| 15 | 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. <i>Pure and Applied Geophysics</i> , 2018, 175, 67-88.      | 1.9 | 23        |
| 16 | Gaussian-filtered Horizontal Motion (GHM) plots of non-synchronous ambient microtremors for the identification of flexural and torsional modes of a building. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 112, 243-255.               | 3.8 | 5         |
| 17 | Analysis of Rayleigh-Wave Particle Motion from Active Seismics. <i>Bulletin of the Seismological Society of America</i> , 2017, 107, 51-62.   | 2.3 | 15        |
| 18 | Single- and multi-component inversion of Rayleigh waves acquired by a single 3-component geophone: an illustrative case study. <i>Acta Geodynamica Et Geomaterialia</i> , 2017, , 431-444.  | 0.5 | 7         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Shear-wave velocity profiling according to three alternative approaches: A comparative case study. <i>Journal of Applied Geophysics</i> , 2016, 134, 112-124.   | 2.1 | 20        |
| 20 | Assessing ground compaction via time lapse surface wave analysis. <i>Acta Geodynamica Et Geomaterialia</i> , 2016, , 249-256.   | 0.5 | 5         |
| 21 | Multi-component joint analysis of surface waves. <i>Journal of Applied Geophysics</i> , 2015, 119, 128-138.   | 2.1 | 51        |
| 22 | Joint analysis of Rayleigh-wave dispersion and HVSr of lunar seismic data from the Apollo 14 and 16 sites. <i>Icarus</i> , 2015, 254, 338-349.  | 2.5 | 37        |
| 23 | Unconventional optimized surface wave acquisition and analysis: Comparative tests in a perilagoon area. <i>Journal of Applied Geophysics</i> , 2015, 114, 158-167.                                      | 2.1 | 22        |
| 24 | A comprehensive seismic characterisation via multi-component analysis of active and passive data. <i>First Break</i> , 2015, 33, .  | 0.4 | 10        |
| 25 | 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         |
| 26 | Joint analysis of Rayleigh- and Love-wave dispersion: Issues, criteria and improvements. <i>Journal of Applied Geophysics</i> , 2011, 75, 573-589.  | 2.1 | 58        |
| 27 | VS and VP vertical profiling via joint inversion of Rayleigh waves and refraction travel times by means of bi-objective evolutionary algorithm. <i>Journal of Applied Geophysics</i> , 2008, 66, 15-24. | 2.1 | 41        |
| 28 | Haze removal for high-resolution satellite data: a case study. <i>International Journal of Remote Sensing</i> , 2007, 28, 2187-2205.  | 2.9 | 50        |
| 29 | Joint inversion of surface wave dispersion curves and reflection travel times via multi-objective evolutionary algorithms. <i>Journal of Applied Geophysics</i> , 2007, 61, 56-81.                      | 2.1 | 68        |
| 30 | Rayleigh wave dispersion curve inversion via genetic algorithms and Marginal Posterior Probability Density estimation. <i>Journal of Applied Geophysics</i> , 2007, 61, 39-55.                          | 2.1 | 147       |
| 31 | Velocity spectra and seismic signal identification for surface wave analysis. <i>Near Surface Geophysics</i> , 2006, 4, 243-251.  | 1.2 | 8         |
| 32 | Multifold ground-penetrating radar and resistivity to study the stratigraphy of shallow unconsolidated sediments. <i>The Leading Edge</i> , 2003, 22, 876-881.  | 0.7 | 27        |
| 33 | Time-lapse tomography. <i>Geophysics</i> , 2003, 68, 815-823.   | 2.6 | 49        |
| 34 | Determination of Rayleigh wave dispersion curves for near surface applications in unconsolidated sediments. , 2003, , .   |     | 42        |
| 35 | A 3D seismic survey for groundwater protection. , 2001, , .   |     | 1         |
| 36 | Radon and tilt measurements in a seismic area: Temperature effects. <i>Physics and Chemistry of the Earth</i> , 2000, 25, 233-237.  | 0.6 | 31        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Tilt-strain measurements in the NE Italy seismic area: Precursor analysis and atmospheric noise effects. <i>Physics and Chemistry of the Earth</i> , 2000, 25, 271-276.                       | 0.6 | 2         |
| 38 | Remarkable tilt-strain anomalies preceding two seismic events in Friuli (NE Italy): their interpretation as precursors. <i>Earth and Planetary Science Letters</i> , 1999, 170, 119-129.      | 4.4 | 16        |
| 39 | Subsurface deformations induced by rainfall and atmospheric pressure: tilt/strain measurements in the NE-Italy seismic area. <i>Earth and Planetary Science Letters</i> , 1998, 164, 193-203. | 4.4 | 35        |