# Giovanni Angelo Meles

List of Publications by Year
in descending order



| 24 | 865 | 623734 14 | 677142 22 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 25 | 25 | 25 | 452 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 3D Marchenko applications: implementation and examples. Geophysical Prospecting, 2022, 70, 35-56. | 1.9 | 5 |
| 2 | On the Retrieval of Forward-Scattered Waveforms From Acoustic Reflection and Transmission Data With the Marchenko Equation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 1775-1786. | 3.0 | 2 |
| 3 | Bayesian tomography with prior-knowledge-based parametrization and surrogate modelling. Geophysical Journal International, 2022, 231, 673-691. | 2.4 | 5 |
| 4 | Marchenko redatuming, imaging, and multiple elimination and their mutual relations. Geophysics, 2021, 86, WC117-WC140. | 2.6 | 19 |
| 5 | Dataâ€driven retrieval of primary planeâ€wave responses. Geophysical Prospecting, 2020, 68, 1834-1846. | 1.9 | 5 |
| 6 | Wavefield finite time focusing with reduced spatial exposure. Journal of the Acoustical Society of America, 2019, 145, 3521-3530. | 1.1 | 5 |
| 7 | Wavefield focusing with reduced cranial invasiveness. , 2019, , . | | 1 |
| 8 | Virtual plane-wave imaging via Marchenko redatuming. Geophysical Journal International, 2018, 214, 508-519. | 2.4 | 14 |
| 9 | Elastic internal multiple analysis and attenuation using Marchenko and interferometric methods. Geophysics, 2017, 82, Q1-Q12. | 2.6 | 31 |
| 10 | Imaging with Marchenko focusing functions in acoustic and elastic media. , 2017, , . | | 1 |
| 11 | Reconstructing the primary reflections in seismic data by Marchenko redatuming and convolutional interferometry. Geophysics, 2016, 81, Q15-Q26. | 2.6 | 37 |
| 12 | Relating source-receiver interferometry to an inverse-scattering series to derive a new method to estimate internal multiples. Geophysics, 2016, 81, Q27-Q40. | 2.6 | 25 |
| 13 | Target-oriented Marchenko imaging of a North Sea field. Geophysical Journal International, 2016, 205, 99-104. | 2.4 | 97 |
| 14 | Internal multiple prediction and removal using Marchenko autofocusing and seismic interferometry. Geophysics, 2015, 80, A7-A11. | 2.6 | 69 |
| 15 | Uncertainty Loops in Travel-Time Tomography from Nonlinear Wave Physics. Physical Review Letters, 2015, 114, 148501. | 7.8 | 56 |
| 16 | Constructing new seismograms from old earthquakes: Retrospective seismology at multiple length scales. Journal of Geophysical Research: Solid Earth, 2015, 120, 2466-2490. | 3.4 | 11 |
| 17 | Seismic interferometry by multidimensional deconvolution without wavefield separation. Geophysical Journal International, 2015, 202, 1-16. | 2.4 | 15 |
| 18 | Elastodynamic Green's function retrieval through single-sided Marchenko inverse scattering. Physical Review E, 2014, 90, 063201. | 2.1 | 63 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Diffracted and pseudo-physical waves from spatially limited arrays using sourceâ€“receiver interferometry (SRI). Geophysical Journal International, 2014, 196, 1043-1059. | 2.4 | 20 |
| 20 | Physical and non-physical energy in scattered wave source-receiver interferometry. Journal of the Acoustical Society of America, 2013, 133, 3790-3801. | 1.1 | 15 |
| 21 | Crosshole GPR full-waveform inversion of waveguides acting as preferential flow paths within aquifer systems. Geophysics, 2012, 77, H57-H62. | 2.6 | 55 |
| 22 | Taming the non-linearity problem in GPR full-waveform inversion for high contrast media. Journal of Applied Geophysics, 2012, 78, 31-43. | 2.1 | 47 |
| 23 | A New Vector Waveform Inversion Algorithm for Simultaneous Updating of Conductivity and Permittivity Parameters From Combination Crosshole/Borehole-to-Surface GPR Data. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 3391-3407. | 6.3 | 175 |
| 24 | Fullâ€waveform inversion of crossâ€hole groundâ€penetrating radar data to characterize a gravel aquifer close to the Thur River, Switzerland. Near Surface Geophysics, 2010, 8, 635-649. | 1.2 | 92 |