Carlo Giunchi

List of Publications by Year
in descending order

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44 papers	1,273 citations	331670 21 h-index	361022 35 g-index
55 all docs	55 docs citations	55 times ranked	1453 citing authors

#	Article	IF	Citations
1	Which Picker Fits My Data? A Quantitative Evaluation of Deep Learning Based Seismic Pickers. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	66
2	SeisBenchâ€"A Toolbox for Machine Learning in Seismology. Seismological Research Letters, 2022, 93, 1695-1709.	1.9	32
3	A Seismological Study of the Sos Enattos Areaâ€"the Sardinia Candidate Site for the Einstein Telescope. Seismological Research Letters, 2021, 92, 352-364.	1.9	17
4	Lunar Gravitational-wave Antenna. Astrophysical Journal, 2021, 910, 1.	4.5	41
5	Seismic glitchness at Sos Enattos site: impact on intermediate black hole binaries detection efficiency. European Physical Journal Plus, 2021, 136, 1.	2.6	5
6	INSTANCE â€“ the Italian seismic dataset for machine learning. Earth System Science Data, 2021, 13, 5509-5544.	9.9	40
7	Comparison of Deep Learning Techniques for the Investigation of a Seismic Sequence: An Application to the 2019, Mw 4.5 Mugello (Italy) Earthquake. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB023405.	3.4	5
8	COVID-19 lockdown and its latency in Northern Italy: seismic evidence and socio-economic interpretation. Scientific Reports, 2020, 10, 16487.	3.3	26
9	Site-selection criteria for the Einstein Telescope. Review of Scientific Instruments, 2020, 91, 094504.	1.3	32
10	Microseismic assessment and fault characterization at the Sulcis (South-Western Sardinia) field laboratory. International Journal of Greenhouse Gas Control, 2020, 95, 102974.	4.6	3
11	Characterization of the Sos Enattos site for the Einstein Telescope. Journal of Physics: Conference Series, 2020, 1468, 012242.	0.4	15
12	SISMIKO: emergency network deployment and data sharing for the 2016 central Italy seismic sequence. Annals of Geophysics, 2016, 59, .	1.0	19
13	Rupture imaging for the 2016 August 24, Mw=6.0 central Italy earthquake, from back-projection of strong-motion array data. Annals of Geophysics, 2016, 59, .	1.0	0
14	On deformation sources in volcanic areas: Modeling the Campi Flegrei (Italy) 1982â€"84 unrest. Earth and Planetary Science Letters, 2011, 306, 175-185.	4.4	49
15	Bayesian source inference of the 1993-1997 deformation at Mount Etna (Italy) by numerical solutions. Geophysical Journal International, 2009, 177, 806-814.	2.4	11
16	Modelling deformation rates in the western Gulf of Corinth: rheological constraints. Geophysical Journal International, 2008, 174, 749-757.	2.4	12
17	Numerical inversion of deformation caused by pressure sources: application to Mount Etna (Italy). Geophysical Journal International, 2008, 172, 873-884.	2.4	35
18	The 2004â€"2006 uplift episode at Campi Flegrei caldera (Italy): Constraints from SBASâ€ÐInSAR ENVISAT data and Bayesian source inference. Geophysical Research Letters, 2008, 35, .	4.0	66

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19	Tsunami threat in the Indian Ocean from a future megathrust earthquake west of Sumatra. Earth and Planetary Science Letters, 2008, 265, 61-81.	4.4	109
20	Nearâ€field propagation of tsunamis from megathrust earthquakes. Geophysical Research Letters, 2007, 34, .	4.0	21
21	Glacial isostatic adjustment and relative sea-level changes: the role of lithospheric and upper mantle heterogeneities in a 3-D spherical Earth. Geophysical Journal International, 2006, 165, 692-702.	2.4	47
22	Analytical and 3-D numerical modelling of Mt. Etna (Italy) volcano inflation. Geophysical Journal International, 2005, 163, 852-862.	2.4	65
23	Structural and rheological constraints on source depth and overpressure estimates at the Campi Flegrei caldera, Italy. Journal of Volcanology and Geothermal Research, 2005, 144, 105-118.	2.1	64
24	Three-dimensional finite element modeling of stress interaction: An application to Landers and Hector Mine fault systems. Journal of Geophysical Research, 2005, 110, .	3.3	13
25	Modeling Earth's post-glacial rebound. Eos, 2004, 85, 62.	0.1	34
26	Effects of topography and rheological layering on ground deformation in volcanic regions. Journal of Volcanology and Geothermal Research, 2003, 122, 89-110.	2.1	76
27	Mantle viscosity beneath the Hudson Bay: An inversion based on the Metropolis algorithm. Journal of Geophysical Research, 2002, 107, ETG 12-1-ETG 12-15.	3.3	17
28	Mechanical coupling between the Landers and Hector Mine (California) fault systems. Geophysical Research Letters, 2002, 29, 16-1-16-4.	4.0	3
29	Numerical modelling of the Aegean-Anatolian region: geodynamical constraints from observed rheological heterogeneities. Geophysical Journal International, 2001, 146, 760-780.	2.4	26
30	Postglacial rebound in a non-Newtonian spherical Earth. Geophysical Research Letters, 2000, 27, 2065-2068.	4.0	35
31	High-pressure/low-temperature metamorphism and the dynamics of an accretionary wedge. Geophysical Journal International, 1999, 136, 620-628.	2.4	20
32	Contribution of numeric dynamic modelling to the understanding of the seismotectonic regime of the northern Apennines. Tectonophysics, 1999, 315, 15-30.	2.2	15
33	Plio-Quaternary vertical motion of the Northern Apennines: Insights from dynamic modeling. Tectonics, 1999, 18, 703-718.	2.8	40
34	Reproducing the velocity and stress fields in the aegean Region. Geophysical Research Letters, 1997, 24, 2087-2090.	4.0	24
35	Lateral viscosity variations and post-glacial rebound: Effects on present-day VLBI baseline deformations. Geophysical Research Letters, 1997, 24, 13-16.	4.0	32
36	Interplay between subduction and continental convergence: a three-dimensional dynamic model for the Central Mediterranean. Geophysical Journal International, 1997, 131, f9-f13.	2.4	22

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37	A numerical model of the Hellenic Subduction Zone: Active stress field and sea-level changes. Geophysical Research Letters, 1996, 23, 2485-2488.	4.0	21
38	Effects of lateral viscosity variations on present-day horizontal motions and baseline deformations due to glacial isostatic adjustment. Physics and Chemistry of the Earth, 1996, 21, 325-330.	0.3	0
39	Dynamic models of subduction: geophysical and geological evidence in the Tyrrhenian Sea. Geophysical Journal International, 1996, 126, 555-578.	2.4	80
40	The role of subduction on the horizontal motions in the Tyrrhenian Basin: A numerical model. Geophysical Research Letters, 1994, 21, 529-532.	4.0	11
41	Basal drag and laterally varying lithosphere: implications for sea-level fluctuations and intraplate deformation. Global and Planetary Change, 1993, 8, 127-134.	3.5	0
42	Viscous drag and lateral viscosity heterogeneities: implications for intraplate deformation. European Journal of Mineralogy, 1993, 5, 1065-1072.	1.3	0
43	Plate motion and dragging of the upper mantle: Lateral variations of lithospheric thickness and their implications for intraplate deformation. Geophysical Research Letters, 1992, 19, 749-752.	4.0	5
44	Volcanic deformation and flank instability due to magmatic sources and frictional rheology: the case of Mount Etna. Geophysical Journal International, 0, , .	2.4	9