Enrico Serpelloni

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8053528/publications.pdf

Version: 2024-02-01

68 papers	4,160 citations	172457 29 h-index	114465 63 g-index
87 all docs	87 docs citations	87 times ranked	3741 citing authors

#	Article	IF	Citations
1	Kinematics of the Western Africa-Eurasia plate boundary from focal mechanisms and GPS data. Geophysical Journal International, 2007, 169, 1180-1200.	2.4	460
2	Mantle dynamics in the Mediterranean. Reviews of Geophysics, 2014, 52, 283-332.	23.0	394
3	Crustal velocity and strain-rate fields in Italy and surrounding regions: new results from the analysis of permanent and non-permanent GPS networks. Geophysical Journal International, 2005, 161, 861-880.	2.4	302
4	Vertical GPS ground motion rates in the Euroâ€Mediterranean region: New evidence of velocity gradients at different spatial scales along the Nubiaâ€Eurasia plate boundary. Journal of Geophysical Research: Solid Earth, 2013, 118, 6003-6024.	3.4	249
5	Kinematics of the Iberiaâ€“Maghreb plate contact from seismic moment tensors and GPS observations. Tectonophysics, 2006, 426, 295-317.	2.2	239
6	Geodetic model of the 2016 Central Italy earthquake sequence inferred from InSAR and GPS data. Geophysical Research Letters, 2017, 44, 6778-6787.	4.0	162
7	The Adriatic region: An independent microplate within the Africa-Eurasia collision zone. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	148
8	Sea-level rise and potential drowning of the Italian coastal plains: Flooding risk scenarios for 2100. Quaternary Science Reviews, 2017, 158, 29-43.	3.0	137
9	Coseismic deformation of the destructive April 6, 2009 L'Aquila earthquake (central Italy) from GPS data. Geophysical Research Letters, 2009, 36, .	4.0	136
10	A Combined Velocity Field of the Mediterranean Region. Annals of Geophysics, 2017, 60, .	1.0	112
11	Recent tectonic reorganization of the Nubia-Eurasia convergent boundary heading for the closure of the western Mediterranean. Bulletin - Societie Geologique De France, 2011, 182, 279-303.	2.2	108
12	Isostasy, dynamic topography, and the elevation of the Apennines of Italy. Earth and Planetary Science Letters, 2014, 407, 163-174.	4.4	91
13	Kinematics, seismotectonics and seismic potential of the eastern sector of the European Alps from GPS and seismic deformation data. Tectonophysics, 2016, 688, 157-181.	2.2	91
14	Synâ€convergent extension observed using the RETREAT GPS network, northern Apennines, Italy. Journal of Geophysical Research, 2012, 117, .	3.3	82
15	Present-day uplift of the European Alps: Evaluating mechanisms and models of their relative contributions. Earth-Science Reviews, 2019, 190, 589-604.	9.1	82
16	Convergence vs. retreat in Southern Tyrrhenian Sea: Insights from kinematics. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	80
17	Strain accumulation across the Messina Straits and kinematics of Sicily and Calabria from GPS data and dislocation modeling. Earth and Planetary Science Letters, 2010, 298, 347-360.	4.4	80
18	Sea level change and vertical land movements since the last two millennia along the coasts of southwestern Turkey and Israel. Quaternary International, 2011, 232, 13-20.	1.5	75

#	Article	IF	Citations
19	Insights into present-day crustal motion in the central Mediterranean area from GPS surveys. Geophysical Journal International, 2001, 146, 98-110.	2.4	71
20	Coastal structure, sea-level changes and vertical motion of the land in the Mediterranean. Geological Society Special Publication, 2014, 388, 453-479.	1.3	69
21	Creep and locking of a lowâ€angle normal fault: Insights from the Altotiberina fault in the Northern Apennines (Italy). Geophysical Research Letters, 2016, 43, 4321-4329.	4.0	62
22	Blind source separation problem in GPS time series. Journal of Geodesy, 2016, 90, 323-341.	3.6	62
23	Coseismic Deformation and Source Modeling of the May 2012 Emilia (Northern Italy) Earthquakes. Seismological Research Letters, 2013, 84, 645-655.	1.9	61
24	The Mw 6.4 SW-Achaia (Western Greece) Earthquake of 8 June 2008: Seismological, Field, GPS Observations, and Stress Modeling. Journal of Earthquake Engineering, 2009, 13, 1101-1124.	2.5	49
25	Aseismic deformation associated with an earthquake swarm in the northern Apennines (Italy). Geophysical Research Letters, 2017, 44, 7706-7714.	4.0	49
26	Fault geometry, coseismic-slip distribution and Coulomb stress change associated with the 2009 April 6, Mw 6.3, Lâ€™Aquila earthquake from inversion of GPS displacements. Geophysical Journal International, 2012, 188, 473-489.	2.4	45
27	Pattern of deformation around the central Aeolian Islands: evidence from multichannel seismics and GPS data. Terra Nova, 2007, 19, 317-323.	2.1	44
28	Fast geodetic strain-rates in eastern Sicily (southern Italy): New insights into block tectonics and seismic potential in the area of the great 1693 earthquake. Earth and Planetary Science Letters, 2014, 404, 77-88.	4.4	43
29	Hydrologically Induced Karst Deformation: Insights From GPS Measurements in the Adriaâ€Eurasia Plate Boundary Zone. Journal of Geophysical Research: Solid Earth, 2018, 123, 4413-4430.	3.4	34
30	New insights into active tectonics and seismogenic potential of the Italian Southern Alps from vertical geodetic velocities. Solid Earth, 2020, 11, 1681-1698.	2.8	32
31	Spaceâ€“time evolution of crustal deformation related to the Mw 6.3, 2009 L'Aquila earthquake (central) Tj ETQq1 1 0.784314 rgBT /O International, 2014, 197, 174-191.	2.4	30
32	Flooding scenario for four Italian coastal plains using three relative sea level rise models. Journal of Maps, 2017, 13, 961-967.	2.0	30
33	Natural Variability and Vertical Land Motion Contributions in the Mediterranean Sea-Level Records over the Last Two Centuries and Projections for 2100. Water (Switzerland), 2019, 11, 1480.	2.7	30
34	Surface Velocities and Strain-Rates in the Euro-Mediterranean Region From Massive GPS Data Processing. Frontiers in Earth Science, 2022, 10, .	1.8	30
35	Relative Sea-Level Rise Scenario for 2100 along the Coast of South Eastern Sicily (Italy) by InSAR Data, Satellite Images and High-Resolution Topography. Remote Sensing, 2021, 13, 1108.	4.0	26
36	The RING network: improvement of a GPS velocity field in the central Mediterranean. Annals of Geophysics, 2010, 53, .	1.0	23

#	Article	IF	Citations
37	Mechanical Response of Shallow Crust to Groundwater Storage Variations: Inferences From Deformation and Seismic Observations in the Eastern Southern Alps, Italy. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020586.	3.4	20
38	Modeling earthquake effects on groundwater levels: evidences from the 2012 Emilia earthquake (Italy). Geofluids, 2016, 16, 452-463.	0.7	19
39	Poroelasticity and Fluid Flow Modeling for the 2012 Emilia-Romagna Earthquakes: Hints from GPS and InSAR Data. Geofluids, 2018, 2018, 1-15.	0.7	19
40	GPS observations of coseismic deformation following the May 20 and 29, 2012, Emilia seismic events (northern Italy): data, analysis and preliminary models. Annals of Geophysics, 2012, 55, .	1.0	19
41	Insights into the fragmentation of the Adria Plate. Journal of Geodynamics, 2016, 102, 121-138.	1.6	18
42	Sea Level Rise Scenario for 2100 A.D. in the Heritage Site of Pyrgi (Santa Severa, Italy). Journal of Marine Science and Engineering, 2020, 8, 64.	2.6	18
43	Active deformation and seismicity in the Southern Alps (Italy): The Montello hill as a case study. Tectonophysics, 2015, 653, 95-108.	2.2	17
44	Seismic potential in Italy from integration and comparison of seismic and geodetic strain rates. Tectonophysics, 2013, 608, 996-1006.	2.2	16
45	Coseismic displacement waveforms for the 2016 August 24 Mw 6.0 Amatrice earthquake (central Italy) carried out from High-Rate GPS data. Annals of Geophysics, 2016, 59, .	1.0	16
46	GPS observations of coseismicÂdeformation following the 2016, August 24, Mw 6 Amatrice earthquake (centralÂItaly): data, analysis and preliminary fault model. Annals of Geophysics, 2016, 59, .	1.0	14
47	Interference of tectonic signals in subsurface hydrologic monitoring through gravity and GPS due to mountain building. Global and Planetary Change, 2018, 167, 148-159.	3.5	12
48	Geopositioning time series from offshore platforms in the Adriatic Sea. Scientific Data, 2020, 7, 373.	5.3	12
49	GPS measurement of active strains across the Apennines. Annals of Geophysics, 2012, 49, .	1.0	11
50	Timeâ€“Space Evolution of Seismic Strain Release in the Area Shocked by the August 24â€“October 30 Central Italy Seismic Sequence. Pure and Applied Geophysics, 2017, 174, 1875-1887.	1.9	9
51	Application and analysis of geodetic protocols for monitoring subsidence phenomena along on-shore hydrocarbon reservoirs. International Journal of Applied Earth Observation and Geoinformation, 2018, 69, 13-26.	2.8	9
52	Constraining primary surface rupture length along the Paganica fault (2009 Lâ€™Aquila earthquake) with geological and geodetic (DInSAR and GPS) data. Italian Journal of Geosciences, 2012, , 359-372.	0.8	9
53	Present day kinematics of Italy. Journal of the Virtual Explorer, 0, 36, .	0.0	9
54	The coseismic and postseismic deformation of the Lâ€™Aquila, 2009 earthquake from repeated GPS measurements. Italian Journal of Geosciences, 2012, , 348-358.	0.8	8

#	Article	IF	Citations
55	Active Fault Systems in the Inner Northwest Apennines, Italy: A Reappraisal One Century after the 1920 Mw ~6.5 Fivizzano Earthquake. Geosciences (Switzerland), 2021, 11, 139.	2.2	8
56	High-rate (1 Hz to 20 Hz) GPS coseismic dynamic displacements carried out during the Emilia 2012 seismic sequence. Annals of Geophysics, 2012, 55, .	1.0	8
57	Eighteen years of GPS surveys in the Aeolian Islands (southern Italy): open data archive and velocity field. Annals of Geophysics, 2015, 58, .	1.0	8
58	AlpArray-Italy: Site description and noise characterization. Advances in Geosciences, 0, 43, 39-52.	12.0	8
59	Hydrological Effects on Seismicâ€Noise Monitoring in Karstic Media. Geophysical Research Letters, 2021, 48, e2021GL093191.	4.0	7
60	Postâ€Seismic Deformation Related to the 2016 Central Italy Seismic Sequence From GPS Displacement Timeâ€Series. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022200.	3.4	7
61	The interseismic velocity field of the central Apennines from a dense GPS network. Annals of Geophysics, 2013, 55, .	1.0	6
62	Multi-technique geodetic detection of onshore and offshore subsidence along the Upper Adriatic Sea coasts. International Journal of Applied Earth Observation and Geoinformation, 2022, 108, 102756.	2.8	5
63	The coseismic ground deformations of the 1997 Umbria-Marche earthquakes: a lesson for the development of new GPS networks. Annals of Geophysics, 2009, 51, .	1.0	4
64	Geodetic deformations in the Central-Southern Apennines (Italy) from repeated GPS surveys. Annals of Geophysics, 2009, 44, .	1.0	2
65	Practical Issues in Monitoring a Hydrocarbon Cultivation Activity in Italy: The Pilot Project at the Cavone Oil Field. Frontiers in Earth Science, 2021, 9, .	1.8	1
66	Surface deformation analysis in the Messina Strait area through DInSAR measurements. , 2013, , .		0
67	Subsidence Monitoring Along Ravenna Coastal Area (Northern Italy) by Insar and GPS Data. , 2020, , .		0
68	Cross-validated multi-technique geodetic dataset of the Upper Adriatic Sea coastal area of Italy. Data in Brief, 2022, , 108342.	1.0	0