

Enrico Serpelloni

List of Publications by Year in descending order

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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	Multi-technique geodetic detection of onshore and offshore subsidence along the Upper Adriatic Sea coasts. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 108, 102756.	2.8	5
2	Cross-validated multi-technique geodetic dataset of the Upper Adriatic Sea coastal area of Italy. <i>Data in Brief</i> , 2022, , 108342.	1.0	0
3	Surface Velocities and Strain-Rates in the Euro-Mediterranean Region From Massive GPS Data Processing. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	30
4	Mechanical Response of Shallow Crust to Groundwater Storage Variations: Inferences From Deformation and Seismic Observations in the Eastern Southern Alps, Italy. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020586.	3.4	20
5	Relative Sea-Level Rise Scenario for 2100 along the Coast of South Eastern Sicily (Italy) by InSAR Data, Satellite Images and High-Resolution Topography. <i>Remote Sensing</i> , 2021, 13, 1108.	4.0	26
6	Active Fault Systems in the Inner Northwest Apennines, Italy: A Reappraisal One Century after the 1920 Mw ~6.5 Fivizzano Earthquake. <i>Geosciences (Switzerland)</i> , 2021, 11, 139.	2.2	8
7	Hydrological Effects on Seismic Noise Monitoring in Karstic Media. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093191.	4.0	7
8	Post-seismic Deformation Related to the 2016 Central Italy Seismic Sequence From GPS Displacement Time Series. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022200.	3.4	7
9	Practical Issues in Monitoring a Hydrocarbon Cultivation Activity in Italy: The Pilot Project at the Cavone Oil Field. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	1
10	Geopositioning time series from offshore platforms in the Adriatic Sea. <i>Scientific Data</i> , 2020, 7, 373.	5.3	12
11	Sea Level Rise Scenario for 2100 A.D. in the Heritage Site of Pyrgi (Santa Severa, Italy). <i>Journal of Marine Science and Engineering</i> , 2020, 8, 64.	2.6	18
12	New insights into active tectonics and seismogenic potential of the Italian Southern Alps from vertical geodetic velocities. <i>Solid Earth</i> , 2020, 11, 1681-1698.	2.8	32
13	Subsidence Monitoring Along Ravenna Coastal Area (Northern Italy) by Insar and GPS Data. , 2020, , .		0
14	Natural Variability and Vertical Land Motion Contributions in the Mediterranean Sea-Level Records over the Last Two Centuries and Projections for 2100. <i>Water (Switzerland)</i> , 2019, 11, 1480.	2.7	30
15	Present-day uplift of the European Alps: Evaluating mechanisms and models of their relative contributions. <i>Earth-Science Reviews</i> , 2019, 190, 589-604.	9.1	82
16	Application and analysis of geodetic protocols for monitoring subsidence phenomena along on-shore hydrocarbon reservoirs. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 69, 13-26.	2.8	9
17	Interference of tectonic signals in subsurface hydrologic monitoring through gravity and GPS due to mountain building. <i>Global and Planetary Change</i> , 2018, 167, 148-159.	3.5	12
18	Hydrologically Induced Karst Deformation: Insights From GPS Measurements in the Adriatic-Eurasia Plate Boundary Zone. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 4413-4430.	3.4	34

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19	Poroelasticity and Fluid Flow Modeling for the 2012 Emilia-Romagna Earthquakes: Hints from GPS and InSAR Data. <i>Geofluids</i> , 2018, 2018, 1-15.	0.7	19
20	Sea-level rise and potential drowning of the Italian coastal plains: Flooding risk scenarios for 2100. <i>Quaternary Science Reviews</i> , 2017, 158, 29-43.	3.0	137
21	Time- ϵ Space Evolution of Seismic Strain Release in the Area Shocked by the August 24 ϵ October 30 Central Italy Seismic Sequence. <i>Pure and Applied Geophysics</i> , 2017, 174, 1875-1887.	1.9	9
22	Geodetic model of the 2016 Central Italy earthquake sequence inferred from InSAR and GPS data. <i>Geophysical Research Letters</i> , 2017, 44, 6778-6787.	4.0	162
23	Aseismic deformation associated with an earthquake swarm in the northern Apennines (Italy). <i>Geophysical Research Letters</i> , 2017, 44, 7706-7714.	4.0	49
24	Flooding scenario for four Italian coastal plains using three relative sea level rise models. <i>Journal of Maps</i> , 2017, 13, 961-967.	2.0	30
25	A Combined Velocity Field of the Mediterranean Region. <i>Annals of Geophysics</i> , 2017, 60, .	1.0	112
26	Modeling earthquake effects on groundwater levels: evidences from the 2012 Emilia earthquake (Italy). <i>Geofluids</i> , 2016, 16, 452-463.	0.7	19
27	Creep and locking of a low ϵ angle normal fault: Insights from the Altotiberina fault in the Northern Apennines (Italy). <i>Geophysical Research Letters</i> , 2016, 43, 4321-4329.	4.0	62
28	Kinematics, seismotectonics and seismic potential of the eastern sector of the European Alps from GPS and seismic deformation data. <i>Tectonophysics</i> , 2016, 688, 157-181.	2.2	91
29	Insights into the fragmentation of the Adria Plate. <i>Journal of Geodynamics</i> , 2016, 102, 121-138.	1.6	18
30	Blind source separation problem in GPS time series. <i>Journal of Geodesy</i> , 2016, 90, 323-341.	3.6	62
31	GPS observations of coseismic ϵ deformation following the 2016, August 24, Mw 6 Amatrice earthquake (central ϵ Italy): data, analysis and preliminary fault model. <i>Annals of Geophysics</i> , 2016, 59, .	1.0	14
32	Coseismic displacement waveforms for the 2016 August 24 Mw 6.0 Amatrice earthquake (central Italy) carried out from High-Rate GPS data. <i>Annals of Geophysics</i> , 2016, 59, .	1.0	16
33	Active deformation and seismicity in the Southern Alps (Italy): The Montello hill as a case study. <i>Tectonophysics</i> , 2015, 653, 95-108.	2.2	17
34	Eighteen years of GPS surveys in the Aeolian Islands (southern Italy): open data archive and velocity field. <i>Annals of Geophysics</i> , 2015, 58, .	1.0	8
35	Space ϵ 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
36	Coastal structure, sea-level changes and vertical motion of the land in the Mediterranean. <i>Geological Society Special Publication</i> , 2014, 388, 453-479.	1.3	69

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37	Mantle dynamics in the Mediterranean. <i>Reviews of Geophysics</i> , 2014, 52, 283-332.	23.0	394
38	Isostasy, dynamic topography, and the elevation of the Apennines of Italy. <i>Earth and Planetary Science Letters</i> , 2014, 407, 163-174.	4.4	91
39	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. <i>Earth and Planetary Science Letters</i> , 2014, 404, 77-88.	4.4	43
40	Coseismic Deformation and Source Modeling of the May 2012 Emilia (Northern Italy) Earthquakes. <i>Seismological Research Letters</i> , 2013, 84, 645-655.	1.9	61
41	Seismic potential in Italy from integration and comparison of seismic and geodetic strain rates. <i>Tectonophysics</i> , 2013, 608, 996-1006.	2.2	16
42	Surface deformation analysis in the Messina Strait area through DInSAR measurements. , 2013, , .		0
43	Vertical GPS ground motion rates in the Euro-Mediterranean region: New evidence of velocity gradients at different spatial scales along the Nubia-Eurasia plate boundary. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 6003-6024.	3.4	249
44	The interseismic velocity field of the central Apennines from a dense GPS network. <i>Annals of Geophysics</i> , 2013, 55, .	1.0	6
45	The coseismic and postseismic deformation of the L'Aquila, 2009 earthquake from repeated GPS measurements. <i>Italian Journal of Geosciences</i> , 2012, , 348-358.	0.8	8
46	Syn-convergent extension observed using the RETREAT GPS network, northern Apennines, Italy. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	82
47	Fault geometry, coseismic-slip distribution and Coulomb stress change associated with the 2009 April 6, Mw 6.3, L'Aquila earthquake from inversion of GPS displacements. <i>Geophysical Journal International</i> , 2012, 188, 473-489.	2.4	45
48	Constraining primary surface rupture length along the Paganica fault (2009 L'Aquila earthquake) with geological and geodetic (DInSAR and GPS) data. <i>Italian Journal of Geosciences</i> , 2012, , 359-372.	0.8	9
49	GPS measurement of active strains across the Apennines. <i>Annals of Geophysics</i> , 2012, 49, .	1.0	11
50	High-rate (1 Hz to 20 Hz) GPS coseismic dynamic displacements carried out during the Emilia 2012 seismic sequence. <i>Annals of Geophysics</i> , 2012, 55, .	1.0	8
51	GPS observations of coseismic deformation following the May 20 and 29, 2012, Emilia seismic events (northern Italy): data, analysis and preliminary models. <i>Annals of Geophysics</i> , 2012, 55, .	1.0	19
52	Sea level change and vertical land movements since the last two millennia along the coasts of southwestern Turkey and Israel. <i>Quaternary International</i> , 2011, 232, 13-20.	1.5	75
53	Recent tectonic reorganization of the Nubia-Eurasia convergent boundary heading for the closure of the western Mediterranean. <i>Bulletin - Societe Geologique De France</i> , 2011, 182, 279-303.	2.2	108
54	Strain accumulation across the Messina Straits and kinematics of Sicily and Calabria from GPS data and dislocation modeling. <i>Earth and Planetary Science Letters</i> , 2010, 298, 347-360.	4.4	80

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55	The RING network: improvement of a GPS velocity field in the central Mediterranean. <i>Annals of Geophysics</i> , 2010, 53, .	1.0	23
56	Coseismic deformation of the destructive April 6, 2009 L'Aquila earthquake (central Italy) from GPS data. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	136
57	The Mw 6.4 SW-Achaia (Western Greece) Earthquake of 8 June 2008: Seismological, Field, GPS Observations, and Stress Modeling. <i>Journal of Earthquake Engineering</i> , 2009, 13, 1101-1124.	2.5	49
58	Geodetic deformations in the Central-Southern Apennines (Italy) from repeated GPS surveys. <i>Annals of Geophysics</i> , 2009, 44, .	1.0	2
59	The coseismic ground deformations of the 1997 Umbria-Marche earthquakes: a lesson for the development of new GPS networks. <i>Annals of Geophysics</i> , 2009, 51, .	1.0	4
60	Kinematics of the Western Africa-Eurasia plate boundary from focal mechanisms and GPS data. <i>Geophysical Journal International</i> , 2007, 169, 1180-1200.	2.4	460
61	Pattern of deformation around the central Aeolian Islands: evidence from multichannel seismics and GPS data. <i>Terra Nova</i> , 2007, 19, 317-323.	2.1	44
62	Kinematics of the Iberia-Maghreb plate contact from seismic moment tensors and GPS observations. <i>Tectonophysics</i> , 2006, 426, 295-317.	2.2	239
63	Crustal velocity and strain-rate fields in Italy and surrounding regions: new results from the analysis of permanent and non-permanent GPS networks. <i>Geophysical Journal International</i> , 2005, 161, 861-880.	2.4	302
64	Convergence vs. retreat in Southern Tyrrhenian Sea: Insights from kinematics. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	80
65	The Adriatic region: An independent microplate within the Africa-Eurasia collision zone. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	148
66	Insights into present-day crustal motion in the central Mediterranean area from GPS surveys. <i>Geophysical Journal International</i> , 2001, 146, 98-110.	2.4	71
67	Present day kinematics of Italy. <i>Journal of the Virtual Explorer</i> , 0, 36, .	0.0	9
68	AlpArray-Italy: Site description and noise characterization. <i>Advances in Geosciences</i> , 0, 43, 39-52.	12.0	8