

# Elisa Trasatti

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,339  
citations

430874

18  
h-index

434195

31  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite fault inversion of DInSAR coseismic displacement of the 2009 L'Aquila earthquake (central Italy). <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	258
2	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
3	Effects of topography and rheological layering on ground deformation in volcanic regions. <i>Journal of Volcanology and Geothermal Research</i> , 2003, 122, 89-110.	2.1	76
4	Structural control on the Tohoku earthquake rupture process investigated by 3D FEM, tsunami and geodetic data. <i>Scientific Reports</i> , 2014, 4, 5631.	3.3	72
5	The 2004â€“2006 uplift episode at Campi Flegrei caldera (Italy): Constraints from SBASâ€“InSAR ENVISAT data and Bayesian source inference. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	66
6	Analytical and 3-D numerical modelling of Mt. Etna (Italy) volcano inflation. <i>Geophysical Journal International</i> , 2005, 163, 852-862.	2.4	65
7	Structural and rheological constraints on source depth and overpressure estimates at the Campi Flegrei caldera, Italy. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 144, 105-118.	2.1	64
8	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
9	Finite element inversion of DInSAR data from the Mw 6.3 L'Aquila earthquake, 2009 (Italy). <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	57
10	The 2010â€“2011 Canterbury, New Zealand, seismic sequence: Multiple source analysis from InSAR data and modeling. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	50
11	Geodetic constraints to the source mechanism of the 2011â€“2013 unrest at Campi Flegrei (Italy) caldera. <i>Geophysical Research Letters</i> , 2015, 42, 3847-3854.	4.0	50
12	On deformation sources in volcanic areas: Modeling the Campi Flegrei (Italy) 1982â€“84 unrest. <i>Earth and Planetary Science Letters</i> , 2011, 306, 175-185.	4.4	49
13	Shallow slip amplification and enhanced tsunami hazard unravelled by dynamic simulations of mega-thrust earthquakes. <i>Scientific Reports</i> , 2016, 6, 35007.	3.3	36
14	Magma Degassing as a Source of Longâ€“Term Seismicity at Volcanoes: The Ischia Island (Italy) Case. <i>Geophysical Research Letters</i> , 2019, 46, 14421-14429.	4.0	36
15	Numerical inversion of deformation caused by pressure sources: application to Mount Etna (Italy). <i>Geophysical Journal International</i> , 2008, 172, 873-884.	2.4	35
16	The May 12, 2008, (Mw 7.9) Sichuan Earthquake (China): Multiframe ALOS-PALSAR DInSAR Analysis of Coseismic Deformation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2010, 7, 266-270.	3.1	32
17	Monitoring Santorini volcano (Greece) breathing from space. <i>Geophysical Journal International</i> , 2013, 193, 161-170.	2.4	28
18	Multi-Sensor SAR Geodetic Imaging and Modelling of Santorini Volcano Post-Unrest Response. <i>Remote Sensing</i> , 2019, 11, 259.	4.0	21

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19	Coeval Uplift and Subsidence Reveal Magma Recharging Near Rome (Italy). <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1484-1498.	2.5	16
20	Synergic Use of Multi-Sensor Satellite Data for Volcanic Hazards Monitoring: The Fogo (Cape Verde) 2014â€“2015 Effusive Eruption. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	14
21	Uncovering deformation processes from surface displacements. <i>Journal of Geodynamics</i> , 2016, 102, 58-82.	1.6	13
22	Activation of the SIGRIS monitoring system for ground deformation mapping during the Emilia 2012 seismic sequence, using COSMO-SkyMed InSAR data. <i>Annals of Geophysics</i> , 2012, 55, .	1.0	12
23	Bayesian source inference of the 1993-1997 deformation at Mount Etna (Italy) by numerical solutions. <i>Geophysical Journal International</i> , 2009, 177, 806-814.	2.4	11
24	Enabling FAIR research in Earth Science through research objects. <i>Future Generation Computer Systems</i> , 2019, 98, 550-564.	7.5	11
25	Deformation and Related Slip Due to the 2011 Van Earthquake (Turkey) Sequence Imaged by SAR Data and Numerical Modeling. <i>Remote Sensing</i> , 2016, 8, 532.	4.0	7
26	Source identification for situational awareness of August 24th 2016 Central Italy event. <i>Annals of Geophysics</i> , 2016, 59, .	1.0	7
27	Gravity changes due to overpressure sources in 3D heterogeneous media: application to Campi Flegrei caldera, Italy. <i>Annals of Geophysics</i> , 2009, 51, .	1.0	6
28	Upward Magma Migration Within the Multi-Level Plumbing System of the Changbaishan Volcano (China/North Korea) Revealed by the Modeling of 2018â€“2020 SAR Data. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	6
29	The SIGRIS Project: A Remote Sensing System for Seismic Risk Management. , 2008, , .		5
30	Source Modelling from Ground Deformation and Gravity Changes at the Campi Flegrei Caldera, Italy. <i>Active Volcanoes of the World</i> , 2022, , 283-309.	1.4	4
31	Relations between pressurized triaxial cavities and moment tensor distributions. <i>Annals of Geophysics</i> , 2015, 58, .	1.0	3
32	Volcanic and Seismic Source Modeling: An Open Tool for Geodetic Data Modeling. <i>Frontiers in Earth Science</i> , 0, 10, .	1.8	3
33	Results from INSAR monitoring of the 2010&#x2013;2011 New Zealand seismic sequence: EA detection and earthquake triggering. , 2012, , .		1
34	Multi-Hazard Analysis of Etna 2018 Eruption by Sar Imaging. , 2019, , .		1
35	Editorial: The Impact of Open Science for Evaluation of Volcanic Hazards. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	1
36	InSAR Deformation Analysis and Source Modelling of the Guagua Pichincha Volcano (Ecuador). , 2020, , .		0

#	ARTICLE	IF	CITATIONS
37	Subsidence Monitoring Along Ravenna Coastal Area (Northern Italy) by Insar and GPS Data. , 2020, , .		0