

Cristiano Tolomei

List of Publications by Year in descending order

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54
papers

1,400
citations

394421

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h-index

345221

36
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64
all docs

64
docs citations

64
times ranked

1710
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	Surface movements in Bologna (Po Plain " Italy) detected by multitemporal DInSAR. <i>Remote Sensing of Environment</i> , 2007, 110, 304-316.	11.0	100
4	InSAR surface displacement field and fault modelling for the 2003 Bam earthquake (southeastern) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.6	61
5	Inflation rate of the Colli Albani volcanic complex retrieved by the permanent scatterers SAR interferometry technique. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	56
6	The 2010"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
7	The February 2014 Cephalonia Earthquake (Greece): 3D Deformation Field and Source Modeling from Multiple SAR Techniques. <i>Seismological Research Letters</i> , 2015, 86, 124-137.	1.9	41
8	Temporal evolution of patterns and processes related to subsidence of the coastal area surrounding the Bevano River mouth (Northern Adriatic) " Italy. <i>Ocean and Coastal Management</i> , 2015, 108, 74-88.	4.4	40
9	InSAR Time Series Analysis of Natural and Anthropogenic Coastal Plain Subsidence: The Case of Sibari (Southern Italy). <i>Remote Sensing</i> , 2015, 7, 16004-16023.	4.0	37
10	Seismic signature of active intrusions in mountain chains. <i>Science Advances</i> , 2018, 4, e1701825.	10.3	34
11	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
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	InSAR full-resolution analysis of the 2017"2018 M>6 earthquakes in Mexico. <i>Remote Sensing of Environment</i> , 2019, 234, 111461.	11.0	31
14	Optimal time alignment of tide" gauge tsunami waveforms in nonlinear inversions: Application to the 2015 Illapel (Chile) earthquake. <i>Geophysical Research Letters</i> , 2016, 43, 11,226.	4.0	28
15	Using multi-band InSAR data for detecting local deformation phenomena induced by the 2016"2017 Central Italy seismic sequence. <i>Remote Sensing of Environment</i> , 2017, 201, 234-242.	11.0	27
16	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
17	Land subsidence along the Ionian coast of SE Sicily (Italy), detection and analysis via Small Baseline Subset (SBAS) multitemporal differential SAR interferometry. <i>Earth Surface Processes and Landforms</i> , 2012, 37, 273-286.	2.5	23
18	Surface deformation in the Abruzzi region, Central Italy, from multitemporal DInSAR analysis. <i>Geophysical Journal International</i> , 2009, 178, 1193-1197.	2.4	20

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19	Insights on the kinematics of deep-seated gravitational slope deformations along the 1915 Avezzano earthquake fault (Central Italy), from time-series DInSAR. <i>Geomorphology</i> , 2009, 112, 261-276.	2.6	20
20	Analysis of the deep-seated gravitational slope deformations over Mt. Frascare (Central Italy) with geomorphological assessment and DInSAR approaches. <i>Geomorphology</i> , 2013, 201, 281-292.	2.6	20
21	Seismic and Geodetic Evidences of a Hydrothermal Source in the Md 4.0, 2017, Ischia Earthquake (Italy). <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 5014-5029.	3.4	20
22	Complex co- and postseismic faulting of the 2017-2018 seismic sequence in western Iran revealed by InSAR and seismic data. <i>Remote Sensing of Environment</i> , 2021, 253, 112224.	11.0	20
23	The Use of Interferometric Synthetic Aperture Radar for Isolating the Contribution of Major Shocks: The Case of the March 2021 Thessaly, Greece, Seismic Sequence. <i>Geosciences (Switzerland)</i> , 2021, 11, 191.	2.2	20
24	Near-source high-rate GPS, strong motion and InSAR observations to image the 2015 Lefkada (Greece) Earthquake rupture history. <i>Scientific Reports</i> , 2017, 7, 10358.	3.3	18
25	The Relationship between InSAR Coseismic Deformation and Earthquake-Induced Landslides Associated with the 2017 Mw 3.9 Ischia (Italy) Earthquake. <i>Geosciences (Switzerland)</i> , 2018, 8, 303.	2.2	18
26	InSAR Monitoring of Italian Coastline Revealing Natural and Anthropogenic Ground Deformation Phenomena and Future Perspectives. <i>Sustainability</i> , 2018, 10, 3152.	3.2	18
27	Landslide susceptibility mapping by remote sensing and geomorphological data: case studies on the Sorrentina Peninsula (Southern Italy). <i>GIScience and Remote Sensing</i> , 2019, 56, 940-965.	5.9	17
28	Subsidence Detected by Multi-Pass Differential SAR Interferometry in the Cassino Plain (Central Italy): Joint Effect of Geological and Anthropogenic Factors?. <i>Remote Sensing</i> , 2014, 6, 9676-9690.	4.0	16
29	InSAR Campaign Reveals Ongoing Displacement Trends at High Impact Sites of Thessaloniki and Chalkidiki, Greece. <i>Remote Sensing</i> , 2020, 12, 2396.	4.0	16
30	Landslides and Subsidence Assessment in the Crati Valley (Southern Italy) Using InSAR Data. <i>Geosciences (Switzerland)</i> , 2018, 8, 67.	2.2	14
31	New kinematic constraints of the western Doruneh fault, northeastern Iran, from interseismic deformation analysis. <i>Geophysical Journal International</i> , 2012, 190, 622-628.	2.4	11
32	Multitemporal and Multisensor InSAR Analysis for Ground Displacement Field Assessment at Ischia Volcanic Island (Italy). <i>Remote Sensing</i> , 2021, 13, 4253.	4.0	10
33	SAR and Optical Data Comparison for Detecting Co-Seismic Slip and Induced Phenomena during the 2018 Mw 7.5 Sulawesi Earthquake. <i>Sensors</i> , 2019, 19, 3976.	3.8	9
34	Analysis of a large seismically induced mass movement after the December 2018 Etna volcano (southern Italy) seismic swarm. <i>Remote Sensing of Environment</i> , 2021, 263, 112524.	11.0	9
35	Geohazards Monitoring and Assessment Using Multi-Source Earth Observation Techniques. <i>Remote Sensing</i> , 2021, 13, 4269.	4.0	9
36	Minimum Redundancy Array - A Baseline Optimization Strategy for Urban SAR Tomography. <i>Remote Sensing</i> , 2020, 12, 3100.	4.0	8

#	ARTICLE	IF	CITATIONS
37	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
38	Hydrostratigraphic Framework and Physicochemical Status of Groundwater in the Gioia Tauro Coastal Plain (Calabriaâ€”Southern Italy). <i>Water (Switzerland)</i> , 2021, 13, 3279.	2.7	7
39	On the Segmentation of the Cephaloniaâ€”Lefkada Transform Fault Zone (Greece) from an InSAR Multi-Mode Dataset of the Lefkada 2015 Sequence. <i>Remote Sensing</i> , 2019, 11, 1848.	4.0	6
40	Multi-temporal InSAR analysis to monitor landslides using the small baseline subset (SBAS) approach in the Mila Basin, Algeria. <i>Terra Nova</i> , 2022, 34, 407-423.	2.1	6
41	The SIGRIS Project: A Remote Sensing System for Seismic Risk Management. , 2008, , .		5
42	Isolation of swarm sources using InSAR: the case of the February 2017 seismic swarm in western Anatolia (Turkey). <i>Geophysical Journal International</i> , 2019, 217, 1479-1495.	2.4	5
43	Different Ground Subsidence Contributions Revealed by Integrated Discussion of Sentinel-1 Datasets, Well Discharge, Stratigraphical and Geomorphological Data: The Case of the Gioia Tauro Coastal Plain (Southern Italy). <i>Sustainability</i> , 2022, 14, 2926.	3.2	5
44	Studying postseismic deformation of the 2010–2011 Rigan earthquake sequence in SE Iran using geodetic data. <i>Tectonophysics</i> , 2020, 795, 228630.	2.2	4
45	Using Multi-Frequency Insar Data to Constrain Ground Deformation of Ischia Earthquake. , 2018, , .		3
46	Precise Topographic Model Assisted Slope Displacement Retrieval from Small Baseline Subsets Results: Case Study over a High and Steep Mining Slope. <i>Sensors</i> , 2020, 20, 6674.	3.8	3
47	Preliminary study of the surface ground displacements in the Crati Valley (Calabria) by means of InSAR data. <i>Rendiconti Online Societa Geologica Italiana</i> , 0, 33, 20-23.	0.3	3
48	Multi-sensor monitoring of Ciudad Guzman (Mexico) ground subsidence. <i>Procedia Computer Science</i> , 2018, 138, 362-365.	2.0	2
49	Multidisciplinary Study of Subsidence and Sinkhole Occurrences in the Acque Albule Basin (Roma,) Tj ETQq1 1 0.784314 rgBT ₂ /Overlo	2.6	2
50	Earthquake Source Investigation of the Kanallaki, March 2020 Sequence (North-Western Greece) Based on Seismic and Geodetic Data. <i>Remote Sensing</i> , 2021, 13, 1752.	4.0	2
51	Results from INSAR monitoring of the 2010–2011 New Zealand seismic sequence: EA detection and earthquake triggering. , 2012, , .		1
52	Study of the ground subsidences in the Sibari Plain (Southern Italy) detected by InSAR data analysis. <i>Rendiconti Online Societa Geologica Italiana</i> , 0, 33, 24-27.	0.3	1
53	Investigating the seismic cycle in Italy by multitemporal analysis of ALOS and ERS/ENVISAT DInSAR data sets. , 2011, , .		0
54	Ground Displacement Evaluation of the Ischia Island (Phlegraean Volcanic District, Italy) Applying Advanced Satellite SAR Interferometry Techniques. , 2021, , .		0