

Pietro Tizzani

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

2,266
citations

279798

23
h-index

233421

45
g-index

85
all docs

85
docs citations

85
times ranked

2872
citing authors

#	ARTICLE	IF	CITATIONS
1	Lung Ultrasound-Implemented Diagnosis of Acute Decompensated Heart Failure in the ED. <i>Chest</i> , 2015, 148, 202-210.	0.8	313
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 deformation of Long Valley caldera and Mono Basin, California, investigated with the SBAS-InSAR approach. <i>Remote Sensing of Environment</i> , 2007, 108, 277-289.	11.0	155
4	Lung ultrasound integrated with clinical assessment for the diagnosis of acute decompensated heart failure in the emergency department: a randomized controlled trial. <i>European Journal of Heart Failure</i> , 2019, 21, 754-766.	7.1	134
5	Enhanced landslide investigations through advanced DInSAR techniques: The Ivancich case study, Assisi, Italy. <i>Remote Sensing of Environment</i> , 2014, 142, 69-82.	11.0	125
6	Ground deformation and source geometry of the 24 August 2016 Amatrice earthquake (Central Italy) investigated through analytical and numerical modeling of DInSAR measurements and structural-geological data. <i>Geophysical Research Letters</i> , 2016, 43, 12,389.	4.0	124
7	Magma injection beneath the urban area of Naples: a new mechanism for the 2012-2013 volcanic unrest at Campi Flegrei caldera. <i>Scientific Reports</i> , 2015, 5, 13100.	3.3	115
8	Volcanic spreading of Vesuvius, a new paradigm for interpreting its volcanic activity. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	86
9	Surface displacements associated with the L'Aquila 2009 Mw 6.3 earthquake (central Italy): New evidence from SBAS-InSAR time series analysis. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	84
10	Magma storage and migration associated with the 2011-2012 El Hierro eruption: Implications for crustal magmatic systems at oceanic island volcanoes. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 4361-4377.	3.4	83
11	Uplift and magma intrusion at Long Valley caldera from InSAR and gravity measurements. <i>Geology</i> , 2009, 37, 63-66.	4.4	73
12	DInSAR Analysis and Analytical Modeling of Mount Etna Displacements: The December 2018 Volcano-tectonic Crisis. <i>Geophysical Research Letters</i> , 2019, 46, 5817-5827.	4.0	73
13	The 2004-2006 uplift episode at Campi Flegrei caldera (Italy): Constraints from SBAS-InSAR ENVISAT data and Bayesian source inference. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	66
14	The 21 August 2017 Ischia (Italy) Earthquake Source Model Inferred From Seismological, GPS, and DInSAR Measurements. <i>Geophysical Research Letters</i> , 2018, 45, 2193-2202.	4.0	59
15	How second generation SAR systems are impacting the analysis of ground deformation. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2014, 28, 1-11.	2.8	55
16	New insights into the 2012 Emilia (Italy) seismic sequence through advanced numerical modeling of ground deformation InSAR measurements. <i>Geophysical Research Letters</i> , 2013, 40, 1971-1977.	4.0	53
17	Gravity-driven deformation of Tenerife measured by InSAR time series analysis. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	47
18	On the effects of mechanical heterogeneities at Campi Flegrei caldera, southern Italy. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	47

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19	Elevated thrombopoietin in plasma of burned patients without and with sepsis enhances platelet activation. <i>Journal of Thrombosis and Haemostasis</i> , 2009, 7, 1000-1008.	3.8	42
20	Magma and fluid migration at Yellowstone Caldera in the last three decades inferred from InSAR, leveling, and gravity measurements. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 2627-2647.	3.4	42
21	Volume unbalance on the 2016 Amatrice - Norcia (Central Italy) seismic sequence and insights on normal fault earthquake mechanism. <i>Scientific Reports</i> , 2019, 9, 4250.	3.3	29
22	The role of thermo-rheological properties of the crust beneath Ischia Island (Southern Italy) in the modulation of the ground deformation pattern. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 344, 154-173.	2.1	27
23	Ground Deformation and Source Geometry of the 30 October 2016 Mw 6.5 Norcia Earthquake (Central Italy) Investigated by InSAR and Gravity Measurements. <i>Remote Sensing</i> , 2018, 10, 1901.	4.0	25
24	Aseismic transient during the 2010-2014 seismic swarm: evidence for longer recurrence of M _s 6.5 earthquakes in the Pollino gap (Southern Italy)? <i>Scientific Reports</i> , 2017, 7, 576.	3.3	24
25	Longer aftershocks duration in extensional tectonic settings. <i>Scientific Reports</i> , 2017, 7, 16403.	3.3	22
26	Volcanic structures investigation through SAR and seismic interferometric methods: The 2011-2013 Campi Flegrei unrest episode. <i>Remote Sensing of Environment</i> , 2019, 234, 111440.	11.0	22
27	Coseismic Stress and Strain Field Changes Investigation Through 3D Finite Element Modeling of DInSAR and GPS Measurements and Geological/Seismological Data: The L'Aquila (Italy) 2009 Earthquake Case Study. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 4193-4222.	3.4	20
28	Advanced Three-Dimensional Finite Element Modeling of a Slow Landslide through the Exploitation of DInSAR Measurements and in Situ Surveys. <i>Remote Sensing</i> , 2016, 8, 670.	4.0	18
29	Landslide Kinematical Analysis through Inverse Numerical Modelling and Differential SAR Interferometry. <i>Pure and Applied Geophysics</i> , 2015, 172, 3067-3080.	1.9	16
30	The impact of crustal rheology on natural seismicity: Campi Flegrei caldera case study. <i>Geoscience Frontiers</i> , 2019, 10, 453-466.	8.4	15
31	Finite element modelling of the 2015 Gorkha earthquake through the joint exploitation of DInSAR measurements and geologic-structural information. <i>Tectonophysics</i> , 2017, 714-715, 125-132.	2.2	12
32	Rheological behaviour of the crust in Southern Apennine (Italy): results from a thermal and seismological study. <i>Terra Nova</i> , 2007, 19, 353-359.	2.1	11
33	Long-term versus short-term deformation processes at Tenerife (Canary Islands). <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	11
34	The Use of Massive Deformation Datasets for the Analysis of Spatial and Temporal Evolution of Mauna Loa Volcano (Hawaii). <i>Remote Sensing</i> , 2018, 10, 968.	4.0	10
35	On the fractal dimension of the fallout deposits: A case study of the 79 A.D. Plinian eruption at Mt. Vesuvius. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 177, 288-299.	2.1	9
36	New insights on the 2012-2013 uplift episode at Fernandina Volcano (Galápagos). <i>Geophysical Journal International</i> , 2017, 211, 673-685.	2.4	7

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37	Multiscale Analysis of DInSAR Measurements for Multi-Source Investigation at Uturuncu Volcano (Bolivia). <i>Remote Sensing</i> , 2019, 11, 703.	4.0	7
38	Inflating Source Imaging and Stress/Strain Field Analysis at Campi Flegrei Caldera: The 2009–2013 Unrest Episode. <i>Remote Sensing</i> , 2021, 13, 2298.	4.0	7
39	Multiridge Method for Studying Ground-Deformation Sources: Application to Volcanic Environments. <i>Scientific Reports</i> , 2018, 8, 13420.	3.3	5
40	A Novel Multidisciplinary Approach for the Thermo–Rheological Study of Volcanic Areas: The Case Study of Long Valley Caldera. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020331.	3.4	5
41	Fractal Study of the 1997–2017 Italian Seismic Sequences: A Joint Analysis of Seismological Data and DInSAR Measurements. <i>Remote Sensing</i> , 2019, 11, 2112.	4.0	4
42	SBAS-InSAR analysis of surface deformation at Mauna Loa and Kilauea volcanoes in Hawaii. , 2009, , .		3
43	An Integrated Modeling Approach for Analyzing the Deformation Style of Active Volcanoes: Somma–Vesuvius Case Study. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	3
44	SBAS-DInSAR time series in the last eighteen years at Mt. Etna volcano (Italy). , 2011, , .		2
45	Analysis of the SBAS-DInSAR displacement time-series accuracies retrieved in volcanic areas through the first and second generation sensor SAR data. , 2013, , .		2
46	The Ivancich Active Landslide Process (Assisi, Central Italy) Analysed via Numerical Modeling Jointly Optimized by DInSAR and Inclinometric Data. , 2015, , 1513-1517.		2
47	Surface deformation of active volcanic areas retrieved with the SBAS-DInSAR technique: an overview. <i>Annals of Geophysics</i> , 2009, 51, .	1.0	2
48	The SBAS-DInSAR technique as a tool for the observation of active volcanic areas: Results and future perspectives. , 2007, , .		1
49	Surface deformation analysis of the Mauna Loa and Kīlaua volcanoes, Hawai‘i, based on InSAR displacement time series. , 2008, , .		1
50	A full exploitation of the enhanced SBAS-DInSAR approach in volcanic and seismogenic areas. , 2013, , .		1
51	Landslide analysis through the multi-sensor SBAS-DInSAR approach: The case study of Assisi, Central Italy. , 2013, , .		1
52	Integration of SBAS-DInSAR and in-situ observations for 3D numerical optimization modelling: The case study of Ivancich landslide (Assisi, Italy). , 2015, , .		1
53	An integrated remote sensing approach for landslide susceptibility mapping at the volcanic islands of Vulcano and Lipari (Eolian Island, Italy). , 2015, , .		1
54	Current Topics on Deformation Monitoring and Modelling, Geodynamics and Natural Hazards: Introduction. <i>Pure and Applied Geophysics</i> , 2015, 172, 2961-2964.	1.9	1

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55	Modeling the Deformation Sources in Volcanic Environments Through Multi-Scale Analysis of DInSAR Measurements. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	1
56	Surface deformation analysis of the Campi Flegrei caldera, Italy, by exploiting the ENVISAT ASAR data with the SBAS-DInSAR technique. , 2007, , .		0
57	Ground deformation of Long Valley caldera and Mono Basin, eastern California, mapped by satellite radar interferometry. <i>International Journal of Remote Sensing</i> , 2008, 29, 439-441.	2.9	0
58	Full exploitation of the SBAS-DInSAR algorithm in active seismogenetic scenarios. , 2010, , .		0
59	Analysis of the 1992–2010 dynamic deformation affecting the Yellowstone Caldera. , 2011, , .		0
60	Cosmo-SkyMed AO projects - exploitation of fractal scattering models for Cosmo-SkyMed images interpretation. , 2012, , .		0
61	Long term deformation time series: 10 years of Earth observation through ENVISAT multi-mode ASAR sensor. , 2012, , .		0
62	A quantitative assessment of DInSAR Time series accuracy in volcanic areas: From the first to second generation SAR sensors. , 2012, , .		0
63	Time series of SAR image fractal maps. , 2013, , .		0
64	Ground deformation associated with the 2012 Emilia (Northern Italy) seismic crisis retrieved through spaceborne SAR interferometry. , 2013, , .		0
65	Comment on "The 21 August 2017 Md4.0 Casamicciola Earthquake: First Evidence of Coseismic Normal Surface Faulting at the Ischia Volcanic Island" by Nappi <i>et al.</i> (2018). <i>Seismological Research Letters</i> , 2019, 90, 313-315.	1.9	0