Riccardo Lanari

List of Publications by Year
in descending order

148 papers	11,341 citations	36303 51 h-index	29157 104 g-index
173 all docs	173 docs citations	173 times ranked	5221 citing authors

#	Article	IF	Citations
1	An Application of the DInSAR Technique for the Structural Monitoring of the â€œVittorino da Feltreâ€• School Building in Rome. Lecture Notes in Civil Engineering, 2023, , 582-592.	0.4	1
2	Comments on â€œStudy of Systematic Bias in Measuring Surface Deformation With SAR Interferometryâ€• IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-5.	6.3	9
3	Satellite radar interferometry: Potential and limitations for structural assessment and monitoring. Journal of Building Engineering, 2022, 46, 103756.	3.4	39
4	Preâ€•and Coâ€Eruptive Analysis of the September 2021 Eruption at Cumbre Vieja Volcano (La Palma, Canary) Tj ETQq0 0 0 rgBT /Overlo 49, .	4.0	27
5	The August 2019 Piton de la Fournaise (La RÃ©union Island) Eruption: Analysis of the Multi-Source Deformation Pattern Detected through Sentinel-1 DInSAR Measurements. Remote Sensing, 2022, 14, 1762.	4.0	2
6	On the Joint Exploitation of Satellite DInSAR Measurements and DBSCAN-Based Techniques for Preliminary Identification and Ranking of Critical Constructions in a Built Environment. Remote Sensing, 2022, 14, 1872.	4.0	18
7	Nation-wide mapping and classification of ground deformation phenomena through the spatial clustering of P-SBAS InSAR measurements: Italy case study. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 189, 1-22.	11.1	26
8	GIS Integration of DInSAR Measurements, Geological Investigation and Historical Surveys for the Structural Monitoring of Buildings and Infrastructures: An Application to the Valco San Paolo Urban Area of Rome. Infrastructures, 2022, 7, 89.	2.8	11
9	Joint exploitation of space-borne and ground-based multitemporal InSAR measurements for volcano monitoring: The Stromboli volcano case study. Remote Sensing of Environment, 2021, 260, 112441.	11.0	33
10	Transport Infrastructure SHM Using Integrated SAR Data and On-Site Vibrational Acquisitions: â€œPonte Della Musicaâ€“Armando Trovajoliâ€•Case Study. Applied Sciences (Switzerland), 2021, 11, 6504.	2.5	15
11	On the integration of multi-temporal synthetic aperture radar interferometry products and historical surveys data for buildings structural monitoring. Journal of Civil Structural Health Monitoring, 2021, 11, 1429-1447.	3.9	24
12	National Scale Surface Deformation Time Series Generation through Advanced DInSAR Processing of Sentinel-1 Data within a Cloud Computing Environment. IEEE Transactions on Big Data, 2020, 6, 558-571.	6.1	31
13	Comment on â€œPre-Collapse Space Geodetic Observations of Critical Infrastructure: The Morandi Bridge, Genoa, Italyâ€•by Milillo et al. (2019). Remote Sensing, 2020, 12, 4011.	4.0	18
14	Automatic Generation of Sentinel-1 Continental Scale DInSAR Deformation Time Series through an Extended P-SBAS Processing Pipeline in a Cloud Computing Environment. Remote Sensing, 2020, 12, 2961.	4.0	44
15	A Global Archive of Coseismic DInSAR Products Obtained Through Unsupervised Sentinel-1 Data Processing. Remote Sensing, 2020, 12, 3189.	4.0	10
16	Seismogenic Source Model of the 2019, Mw 5.9, East-Azerbaijan Earthquake (NW Iran) through the Inversion of Sentinel-1 DInSAR Measurements. Remote Sensing, 2020, 12, 1346.	4.0	6
17	On the Capabilities of the Italian Airborne FMCW AXIS InSAR System. Remote Sensing, 2020, 12, 539.	4.0	12
18	A Global Archive of Dinsar Co-Seismic Deformation MAPS from Sentinel-1 Data. , 2020, , .		0

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19	Ground Deformation Analysis of the Italian Peninsula Through the Sentinel-1 P-SBAS Processing Chain. , 2020, , .		2
20	The ASI Integrated Sounder-SAR System Operating in the UHF-VHF Bands: First Results of the 2018 Helicopter-Borne Morocco Desert Campaign. Remote Sensing, 2019, 11, 1845.	4.0	14
21	A Phase-Preserving Focusing Technique for TOPS Mode SAR Raw Data Based on Conventional Processing Methods. Sensors, 2019, 19, 3321.	3.8	4
22	Volcanic structures investigation through SAR and seismic interferometric methods: The 2011â€“2013 Campi Flegrei unrest episode. Remote Sensing of Environment, 2019, 234, 111440.	11.0	22
23	A GeoNode-Based Platform for an Effective Exploitation of Advanced DInSAR Measurements. Remote Sensing, 2019, 11, 2133.	4.0	3
24	The Parallel SBAS Approach for Sentinel-1 Interferometric Wide Swath Deformation Time-Series Generation: Algorithm Description and Products Quality Assessment. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6259-6281.	6.3	119
25	DInSAR Analysis and Analytical Modeling of Mount Etna Displacements: The December 2018 Volcanoâ€Tectonic Crisis. Geophysical Research Letters, 2019, 46, 5817-5827.	4.0	73
26	Volume unbalance on the 2016 Amatrice - Norcia (Central Italy) seismic sequence and insights on normal fault earthquake mechanism. Scientific Reports, 2019, 9, 4250.	3.3	29
27	Airborne SAR Focusing in the Presence of Severe Squint Variations. , 2019, , .		5
28	The Deforming Etna Volcano Imaged Through SBAS-DInSAR Analysis: its Long Term Behaviour and the Recent Seismo-Volcanic Crisis of December 2018. , 2019, , .		0
29	Monitoring Volcano Deformation from Space with Sentinel-1 Data for Civil Protection. , 2019, , .		1
30	The ASI P-Band Helicopter-Borne Integrated Sounder-Sar System: Preliminary Results of The 2018 Morocco Desert Campaign. , 2019, , .		2
31	Imaging capabilities of an airborne X-band SAR based on the FMCW technology. , 2019, , .		0
32	Coseismic Stress and Strain Field Changes Investigation Through 3â€D Finite Element Modeling of DInSAR and GPS Measurements and Geological/Seismological Data: The L'Aquila (Italy) 2009 Earthquake Case Study. Journal of Geophysical Research: Solid Earth, 2018, 123, 4193-4222.	3.4	20
33	Hybrid Stripmapâ€“ScanSAR Interferometry: Extension to the X-Band COSMO-SkyMed Data. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 330-334.	3.1	3
34	The 21 August 2017 Ischia (Italy) Earthquake Source Model Inferred From Seismological, GPS, and DInSAR Measurements. Geophysical Research Letters, 2018, 45, 2193-2202.	4.0	59
35	Gical: Geo-Morphometric Inverse Cylindrical Method for Radiometric Calibration of Sar Images. , 2018, , .		3
36	The Parallel SBAS-DInSAR Processing Chain for the Generation of National Scale Sentinel-1 Deformation Time-Series. Procedia Computer Science, 2018, 138, 326-331.	2.0	16

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37	Automatic generation of co-seismic displacement maps by using Sentinel-1 interferometric SAR data. Procedia Computer Science, 2018, 138, 332-337.	2.0	4
38	Ground Deformation and Source Geometry of the 30 October 2016 Mw 6.5 Norcia Earthquake (Central) Tj ETQq0 0 0 rgBT /Overlock 10 Remote Sensing, 2018, 10, 1901.	4.0	25
39	The Parallel SBAS-Dinsar Processing Chain for Massive Generation of Sentinel-1 Deformation Time-Series. , 2018, , .		0
40	The â€œUrban Geomatics for Bulk Information Generation, Data Assessment and Technology Awarenessâ€• Project: Detection, Representation and Analysis of the Urban Scenario Changes. , 2018, , .		2
41	AXIS: An Airborne X-Band Interferometric FMCW SAR System. , 2018, , .		4
42	Finite element modelling of the 2015 Gorkha earthquake through the joint exploitation of DInSAR measurements and geologic-structural information. Tectonophysics, 2017, 714-715, 125-132.	2.2	12
43	A Simple Solution for the Phase Offset Estimation of Airborne SAR Interferograms Without Using Corner Reflectors. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 379-383.	3.1	5
44	Source modelling of the 2015 Wolf volcano (GalÃ¡pagos) eruption inferred from Sentinel 1-A DInSAR deformation maps and pre-eruptive ENVISAT time series. Journal of Volcanology and Geothermal Research, 2017, 344, 246-256.	2.1	19
45	Large areas surface deformation analysis through a cloud computing P-SBAS approach for massive processing of DInSAR time series. Remote Sensing of Environment, 2017, 202, 3-17.	11.0	59
46	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
47	Effect of the Vegetation Fire on Backscattering: An Investigation Based on Sentinel-1 Observations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 4478-4492.	4.9	51
48	A Cloud Computing Solution for the Efficient Implementation of the P-SBAS DInSAR Approach. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 802-817.	4.9	27
49	Sea State Observation through a Three-Antenna Hybrid XT/AT InSAR Configuration: A Preliminary Study Based on the InSAeS4 Airborne System. Remote Sensing, 2017, 9, 792.	4.0	4
50	DInSAR for the Monitoring of Cultural Heritage Sites. Geotechnologies and the Environment, 2017, , 117-134.	0.3	4
51	Coseismic Fault Model of Mw 8.3 2015 Illapel Earthquake (Chile) Retrieved from Multi-Orbit Sentinel1-A DInSAR Measurements. Remote Sensing, 2016, 8, 323.	4.0	29
52	The InSAeS4 Airborne X-Band Interferometric SAR System: A First Assessment on Its Imaging and Topographic Mapping Capabilities. Remote Sensing, 2016, 8, 40.	4.0	26
53	Ground deformation and source geometry of the 24 August 2016 Amatrice earthquake (Central Italy) investigated through analytical and numerical modeling of DInSAR measurements and structuralâ€geological data. Geophysical Research Letters, 2016, 43, 12,389.	4.0	124
54	On the joint exploitation of long-term DInSAR time series and geological information for the investigation of ground settlements in the town of Roma (Italy). Remote Sensing of Environment, 2016, 182, 113-127.	11.0	38

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55	Extraction of sea surface velocity and elevation through a hybrid AT/XT-INSAR airborne system. , 2016, , .		1
56	Spaceborne Synthetic Aperture Radar Data Focusing on Multicore-Based Architectures. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 4712-4731.	6.3	17
57	Cloud Computing for Earth Surface Deformation Analysis via Spaceborne Radar Imaging: A Case Study. IEEE Transactions on Cloud Computing, 2016, 4, 104-118.	4.4	38
58	Fault locking near Istanbul: indication of earthquake potential from InSAR and GPS observations. Geophysical Journal International, 2016, 205, 490-498.	2.4	21
59	Sentinel-1 results: SBAS-DInSAR processing chain developments and land subsidence analysis. , 2015, , .		8
60	Magma injection beneath the urban area of Naples: a new mechanism for the 2012â€“2013 volcanic unrest at Campi Flegrei caldera. Scientific Reports, 2015, 5, 13100.	3.3	115
61	Big DInSAR data processing through the P-SBAS algorithm. , 2015, , .		1
62	Radar remote sensing from space for surface deformation analysis: present and future opportunities from the new SAR sensor generation. Rendiconti Lincei, 2015, 26, 75-84.	2.2	3
63	Integration of Optical and SAR Data for Burned Area Mapping in Mediterranean Regions. Remote Sensing, 2015, 7, 1320-1345.	4.0	69
64	An On-Demand Web Tool for the Unsupervised Retrieval of Earthâ€™s Surface Deformation from SAR Data: The P-SBAS Service within the ESA G-POD Environment. Remote Sensing, 2015, 7, 15630-15650.	4.0	72
65	Improved EMCF-SBAS Processing Chain Based on Advanced Techniques for the Noise-Filtering and Selection of Small Baseline Multi-Look DInSAR Interferograms. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 4394-4417.	6.3	92
66	Performance Analysis of the DInSAR P-SBAS Algorithm within AWS Cloud. , 2015, , .		1
67	Multichannel Phase Unwrapping: Problem Topology and Dual-Level Parallel Computational Model. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5774-5793.	6.3	14
68	The Constrained-Network Propagation (C-NetP) Technique to Improve SBAS-DInSAR Deformation Time Series Retrieval. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 4910-4921.	4.9	12
69	Landslide Kinematical Analysis through Inverse Numerical Modelling and Differential SAR Interferometry. Pure and Applied Geophysics, 2015, 172, 3067-3080.	1.9	16
70	Phase Offset Calculation for Airborne InSAR DEM Generation Without Corner Reflectors. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2713-2726.	6.3	29
71	A First Assessment of the P-SBAS DInSAR Algorithm Performances Within a Cloud Computing Environment. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 4675-4686.	4.9	33
72	Magma and fluid migration at Yellowstone Caldera in the last three decades inferred from InSAR, leveling, and gravity measurements. Journal of Geophysical Research: Solid Earth, 2015, 120, 2627-2647.	3.4	42

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73	Brief Communication: Rapid mapping of landslide events: the 3 December 2013 Montescaglioso landslide, Italy. Natural Hazards and Earth System Sciences, 2014, 14, 1835-1841.	3.6	60
74	Cloud Platform for Scientific Advances in Earth Surface Interferometric SAR Image Analysis. , 2014, , .		1
75	SBAS-DInSAR Parallel Processing for Deformation Time-Series Computation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 3285-3296.	4.9	169
76	Enhanced landslide investigations through advanced DInSAR techniques: The Ivancich case study, Assisi, Italy. Remote Sensing of Environment, 2014, 142, 69-82.	11.0	125
77	How second generation SAR systems are impacting the analysis of ground deformation. International Journal of Applied Earth Observation and Geoinformation, 2014, 28, 1-11.	2.8	55
78	From Previous C-Band to New X-Band SAR Systems: Assessment of the DInSAR Mapping Improvement for Deformation Time-Series Retrieval in Urban Areas. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 1973-1984.	6.3	79
79	New insights into the 2012 Emilia (Italy) seismic sequence through advanced numerical modeling of ground deformation InSAR measurements. Geophysical Research Letters, 2013, 40, 1971-1977.	4.0	53
80	A simple solution to mitigate noise effects in time-redundant sequences of small baseline multi-look DInSAR interferograms. Remote Sensing Letters, 2013, 4, 609-618.	1.4	26
81	Anomalous farâ€field geodetic signature related to the 2009ÂL'Aquila (central Italy) earthquake. Terra Nova, 2013, 25, 343-351.	2.1	9
82	A region-growing technique to improve multi-temporal DInSAR interferogram phase unwrapping performance. Remote Sensing Letters, 2013, 4, 988-997.	1.4	15
83	An innovative region growing algorithm based on Minimum Cost Flow approach for Phase Unwrapping of full-resolution differential interferograms. , 2012, , .		8
84	DInSAR deformation time series for monitoring urban areas: The impact of the second generation SAR systems. , 2012, , .		0
85	Analysis of ground deformation using SBAS-DInSAR technique applied to COSMO-SkyMed images, the test case of Roma urban area. Proceedings of SPIE, 2012, , .	0.8	7
86	Long-term ERS/ENVISAT deformation time-series generation at full spatial resolution via the extended SBAS technique. International Journal of Remote Sensing, 2012, 33, 4756-4783.	2.9	179
87	A quantitative assessment of DInSAR Time series accuracy in volcanic areas: From the first to second generation SAR sensors. , 2012, , .		0
88	The 4D imaging of the source of ground deformation at Campi Flegrei caldera (southern Italy). Journal of Geophysical Research, 2012, 117, .	3.3	40
89	A Quantitative Assessment of DInSAR Measurements of Interseismic Deformation: The Southern San Andreas Fault Case Study. Pure and Applied Geophysics, 2012, 169, 1463-1482.	1.9	97
90	The Stripmapâ€“ScanSAR SBAS Approach to Fill Gaps in Stripmap Deformation Time Series With ScanSAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 4788-4804.	6.3	29

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91	New Advances of the Extended Minimum Cost Flow Phase Unwrapping Algorithm for SBAS-DInSAR Analysis at Full Spatial Resolution. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 4062-4079.	6.3	40
92	SBAS-Based Satellite Orbit Correction for the Generation of DInSAR Time-Series: Application to RADARSAT-1 Data. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 5150-5165.	6.3	53
93	Long-term deformation analysis of historical buildings through the advanced SBAS-DInSAR technique: the case study of the city of Rome, Italy. Journal of Geophysics and Engineering, 2011, 8, S1-S12.	1.4	44
94	Preliminary analysis of a correlation between ground deformations and rainfall: the Ivancich landslide, central Italy. , 2011, , .		5
95	Deformation Time-Series Generation in Areas Characterized by Large Displacement Dynamics: The SAR Amplitude Pixel-Offset SBAS Technique. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 2752-2763.	6.3	148
96	Synthetic Aperture Radar Processing with GPGPU. IEEE Signal Processing Magazine, 2010, 27, 69-78.	5.6	24
97	Interferometric synthetic aperture radarâ€“GPS integration: Interseismic strain accumulation across the Hunter Mountain fault in the eastern California shear zone. Journal of Geophysical Research, 2010, 115, .	3.3	58
98	On the effects of 3â€Ð mechanical heterogeneities at Campi Flegrei caldera, southern Italy. Journal of Geophysical Research, 2010, 115, .	3.3	47
99	Spaceâ€borne radar interferometry techniques for the generation of deformation time series: An advanced tool for Earth's surface displacement analysis. Geophysical Research Letters, 2010, 37, .	4.0	83
100	Surface displacements associated with the L'Aquila 2009 Mw 6.3 earthquake (central Italy): New evidence from SBASâ€ÐInSAR time series analysis. Geophysical Research Letters, 2010, 37, .	4.0	84
101	Advanced interferometric techniques for monitoring urban areas. , 2009, , .		0
102	Analysis of Ground Deformation Detected Using the SBAS-DInSAR Technique in Umbria, Central Italy. Pure and Applied Geophysics, 2009, 166, 1425-1459.	1.9	83
103	Surface deformation in the Abruzzi region, Central Italy, from multitemporal DInSAR analysis. Geophysical Journal International, 2009, 178, 1193-1197.	2.4	20
104	Comparison and integration of GPS and DInSAR deformation time-series. , 2009, , .		0
105	Deformation and eruptions at Mt. Etna (Italy): A lesson from 15 years of observations. Geophysical Research Letters, 2009, 36, .	4.0	96
106	Gravityâ€driven deformation of Tenerife measured by InSAR time series analysis. Geophysical Research Letters, 2009, 36, .	4.0	47
107	Stress transfer in the Lazufre volcanic area, central Andes. Geophysical Research Letters, 2009, 36, .	4.0	36
108	Uplift and magma intrusion at Long Valley caldera from InSAR and gravity measurements. Geology, 2009, 37, 63-66.	4.4	73

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109	Analysis of Ground Deformation Detected Using the SBAS-DInSAR Technique in Umbria, Central Italy. , 2009, , 1425-1459.		3
110	The 2004â€“2006 uplift episode at Campi Flegrei caldera (Italy): Constraints from SBASâ€ÐInSAR ENVISAT data and Bayesian source inference. Geophysical Research Letters, 2008, 35, .	4.0	66
111	Ground deformation of Long Valley caldera and Mono Basin, eastern California, mapped by satellite radar interferometry. International Journal of Remote Sensing, 2008, 29, 439-441.	2.9	0
112	Twoâ€scale surface deformation analysis using the SBASâ€ÐInSAR technique: a case study of the city of Rome, Italy. International Journal of Remote Sensing, 2008, 29, 1665-1684.	2.9	73
113	SBAS-DInSAR Analysis of Very Extended Areas: First Results on a 60â€‰000-$hbox{km}^{2}$ Test Site. IEEE Geoscience and Remote Sensing Letters, 2008, 5, 438-442.	3.1	32
114	Surface deformation analysis of the Campi Flegrei caldera, Italy, by exploiting the ENVISAT ASAR data with the SBAS-DInSAR technique. , 2007, , .		0
115	Mining-related ground deformation in Crescent Valley, Nevada: Implications for sparse GPS networks. Geophysical Research Letters, 2007, 34, .	4.0	68
116	An Overview of the Small BAseline Subset Algorithm: A DInSAR Technique for Surface Deformation Analysis. , 2007, , 637-661.		34
117	Surface deformation of Long Valley caldera and Mono Basin, California, investigated with the SBAS-InSAR approach. Remote Sensing of Environment, 2007, 108, 277-289.	11.0	155
118	Application of the SBAS-DInSAR technique to fault creep: A case study of the Hayward fault, California. Remote Sensing of Environment, 2007, 109, 20-28.	11.0	130
119	An Overview of the Small BAseline Subset Algorithm: a DInSAR Technique for Surface Deformation Analysis. Pure and Applied Geophysics, 2007, 164, 637-661.	1.9	295
120	Joint analysis of SAR interferometry and electrical resistivity tomography surveys for investigating ground deformation: the case-study of Satriano di Lucania (Potenza, Italy). Engineering Geology, 2006, 88, 260-273.	6.3	31
121	A quantitative assessment of the SBAS algorithm performance for surface deformation retrieval from DInSAR data. Remote Sensing of Environment, 2006, 102, 195-210.	11.0	415
122	On the Extension of the Minimum Cost Flow Algorithm for Phase Unwrapping of Multitemporal Differential SAR Interferograms. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 2374-2383.	6.3	309
123	Surface deformation analysis in the Ischia Island (Italy) based on spaceborne radar interferometry. Journal of Volcanology and Geothermal Research, 2006, 151, 399-416.	2.1	163
124	Subsidence monitoring in Sarno urban area via multiâ€temporal DInSAR technique. International Journal of Remote Sensing, 2006, 27, 1709-1716.	2.9	96
125	On the Generation of ERS/ENVISAT DInSAR Time-Series Via the SBAS Technique. IEEE Geoscience and Remote Sensing Letters, 2005, 2, 265-269.	3.1	99
126	Volcanic spreading of Vesuvius, a new paradigm for interpreting its volcanic activity. Geophysical Research Letters, 2005, 32, .	4.0	86

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127	An integrated SAR/GIS approach for investigating urban deformation phenomena: a case study of the city of Naples, Italy. International Journal of Remote Sensing, 2004, 25, 2855-2867.	2.9	21
128	An integrated SAR/GIS approach for investigating urban deformation phenomena: a case study of the city of Napoli, Italy. International Journal of Remote Sensing, 2004, 25, 2665-2666.	2.9	6
129	The use of IFSAR and classical geodetic techniques for caldera unrest episodes: application to the Campi Flegrei uplift event of 2000. Journal of Volcanology and Geothermal Research, 2004, 133, 247-260.	2.1	63
130	Gravity and magma induced spreading of Mount Etna volcano revealed by satellite radar interferometry. Geophysical Research Letters, 2004, 31, .	4.0	165
131	Satellite radar interferometry time series analysis of surface deformation for Los Angeles, California. Geophysical Research Letters, 2004, 31, .	4.0	178
132	A small-baseline approach for investigating deformations on full-resolution differential SAR interferograms. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 1377-1386.	6.3	746
133	Coupled magma chamber inflation and sector collapse slip observed with synthetic aperture radar interferometry on Mt. Etna volcano. Journal of Geophysical Research, 2003, 108, .	3.3	86
134	Role of processing geometry in SAR raw data focusing. IEEE Transactions on Aerospace and Electronic Systems, 2002, 38, 441-454.	4.7	57
135	Evidence for a peculiar style of ground deformation inferred at Vesuvius volcano. Geophysical Research Letters, 2002, 29, 6-1-6-4.	4.0	78
136	A new algorithm for surface deformation monitoring based on small baseline differential SAR interferograms. IEEE Transactions on Geoscience and Remote Sensing, 2002, 40, 2375-2383.	6.3	3,412
137	Modeling surface deformation observed with synthetic aperture radar interferometry at Campi Flegrei caldera. Journal of Geophysical Research, 2001, 106, 19355-19366.	3.3	139
138	Actively growing anticlines beneath catania from the distal motion of Mount Etna's Decollement measured by SAR interferometry and GPS. Geophysical Research Letters, 2000, 27, 3409-3412.	4.0	77
139	Urban subsidence inside the city of Napoli (Italy) Observed by satellite radar interferometry. Geophysical Research Letters, 2000, 27, 1961-1964.	4.0	68
140	Chirp z-transform based SPECAN approach for phase-preserving ScanSAR image generation. IET Radar, Sonar & Navigation, 1998, 145, 254.	2.1	67
141	Global and local phase-unwrapping techniques: a comparison. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1997, 14, 2702.	1.5	44
142	A short discussion on the exact compensation of the SAR range-dependent range cell migration effect. IEEE Transactions on Geoscience and Remote Sensing, 1997, 35, 1446-1452.	6.3	36
143	Interferometric SAR phase unwrapping using the finite element method. IET Radar, Sonar & Navigation, 1997, 144, 266.	2.1	41
144	SIR-C/X-SAR multifrequency multipass interferometry: A new tool for geological interpretation. Journal of Geophysical Research, 1996, 101, 23127-23148.	3.3	46

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145	A new two-dimensional squint mode SAR processor. IEEE Transactions on Aerospace and Electronic Systems, 1996, 32, 854-863.	4.7	30
146	Efficient and high precision space-variant processing of SAR data. IEEE Transactions on Aerospace and Electronic Systems, 1995, 31, 227-237.	4.7	15
147	A new method for the compensation of the SAR range cell migration based on the chirp z-transform. IEEE Transactions on Geoscience and Remote Sensing, 1995, 33, 1296-1299.	6.3	91
148	Wasar: a wide-angle SAR processor. IEE Proceedings, Part F: Radar and Signal Processing, 1992, 139, 107.	0.2	27