A new method for measuring deformation on volcanoes InSAR persistent scatterers

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Citation Report

#	Article	IF	CITATIONS
1	Land-cover classification-based persistent scatterers identification for peri-urban applications. , 0, , .		0
2	Initial point selection and validation in PS-InSAR using integrated amplitude calibration. , 0, , .		1
3	Mitigating atmospheric noise for InSAR using a high resolution weather model. Geophysical Research Letters, 2006, 33, .	1.5	123
4	Investigating landslides with space-borne Synthetic Aperture Radar (SAR) interferometry. Engineering Geology, 2006, 88, 173-199.	2.9	633
5	A quantitative assessment of the SBAS algorithm performance for surface deformation retrieval from DInSAR data. Remote Sensing of Environment, 2006, 102, 195-210.	4.6	415
6	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.	2.7	309
7	The changing shapes of active volcanoes: History, evolution, and future challenges for volcano geodesy. Journal of Volcanology and Geothermal Research, 2006, 150, 1-13.	0.8	43
8	A Generalized Space-Time Formulation for Robust Persistent Scatterer Interferometry. , 2006, , .		1
9	Surface deformation analysis of the Campi Flegrei caldera, Italy, by exploiting the ENVISAT ASAR data with the SBAS-DInSAR technique. , 2007, , .		O
10	Mapping subsidence in Tianjin area using ASAR images based on PS technique. , 2007, , .		2
11	Coherent-stable scatterers detection in SAR multi-interferograms: Feature fuzzy fusion in Alpine glacier geophysical context. , 2007, , .		2
12	Two Radar Interferometric Approaches to Monitor Slow and Fast Land Deformation. Journal of Surveying Engineering, - ASCE, 2007, 133, 66-71.	1.0	46
13	Phase unwrapping in three dimensions with application to InSAR time series. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 2737.	0.8	305
14	Strain accumulation across the Gazikoy–Saros segment of the North Anatolian Fault inferred from Persistent Scatterer Interferometry and GPS measurements. Earth and Planetary Science Letters, 2007, 255, 432-444.	1.8	53
15	Mapping volcanic terrain using high-resolution and 3D satellite remote sensing. Geological Society Special Publication, 2007, 283, 5-30.	0.8	24
16	InSAR Remote Sensing Over Decorrelating Terrains: Persistent Scattering Methods. IEEE National Radar Conference - Proceedings, 2007, , .	0.0	11
17	Genesis of a new NASA InSAR mission concept, and natural hazards applications., 2007,,.		1
18	Space geodetic determination of spatial variability in relative sea level change, Los Angeles basin. Geophysical Research Letters, 2007, 34, .	1.5	47

#	ARTICLE	IF	CITATIONS
19	Active salt tectonics in the Needles District, Canyonlands (Utah) as detected by interferometric synthetic aperture radar and point target analysis: 1992–2002. Journal of Geophysical Research, 2007, 112, .	3.3	24
20	Persistent scatterer interferometric synthetic aperture radar for crustal deformation analysis, with application to $Volc\tilde{A}_i$ n Alcedo, $Gal\tilde{A}_i$ pagos. Journal of Geophysical Research, 2007, 112, .	3.3	806
21	Persistent scatterer selection using maximum likelihood estimation. Geophysical Research Letters, 2007, 34, .	1.5	59
22	An Overview of the Small BAseline Subset Algorithm: A DInSAR Technique for Surface Deformation Analysis., 2007,, 637-661.		34
23	Interferometric Synthetic Aperture Radar Geodesy. , 2007, , 391-446.		64
24	Surface deformation of Long Valley caldera and Mono Basin, California, investigated with the SBAS-InSAR approach. Remote Sensing of Environment, 2007, 108, 277-289.	4.6	155
25	Surface movements in Bologna (Po Plain â€" Italy) detected by multitemporal DInSAR. Remote Sensing of Environment, 2007, 110, 304-316.	4.6	100
26	Multi-interferogram method for measuring interseismic deformation: Denali Fault, Alaska. Geophysical Journal International, 2007, 170, 1165-1179.	1.0	293
27	Subsidence in the geothermal fields of the Taupo Volcanic Zone, New Zealand from 1996 to 2005 measured by InSAR. Journal of Volcanology and Geothermal Research, 2007, 166, 125-146.	0.8	54
28	Modeling Interferogram Stacks. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 3289-3299.	2.7	157
29	An Overview of the Small BAseline Subset Algorithm: a DInSAR Technique for Surface Deformation Analysis. Pure and Applied Geophysics, 2007, 164, 637-661.	0.8	295
30	The application of satellite differential SAR interferometry-derived ground displacements in hydrogeology. Hydrogeology Journal, 2007, 15, 133-154.	0.9	214
31	Time Evolution of Deformation Using Time Series of Differential Interferograms: Application to La Palma Island (Canary Islands). Pure and Applied Geophysics, 2008, 165, 1531-1554.	0.8	15
32	Subsidence induced by urbanisation in the city of Rome detected by advanced InSAR technique and geotechnical investigations. Remote Sensing of Environment, 2008, 112, 3160-3172.	4.6	220
33	Analysis of Ground-Based SAR Data With Diverse Temporal Baselines. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 1614-1623.	2.7	40
34	Radarsat-1 and ERS InSAR Analysis Over Southeastern Coastal Louisiana: Implications for Mapping Water-Level Changes Beneath Swamp Forests. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 2167-2184.	2.7	115
35	Postseismic displacement of the 1999 Athens earthquake retrieved by the Differential Interferometry by Synthetic Aperture Radar time series. Journal of Geophysical Research, 2008, 113, .	3.3	41
36	On the Exploitation of Target Statistics for SAR Interferometry Applications. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 3436-3443.	2.7	226

#	ARTICLE	IF	CITATIONS
37	A multiâ€ŧemporal InSAR method incorporating both persistent scatterer and small baseline approaches. Geophysical Research Letters, 2008, 35, .	1.5	899
38	Eruptive cycles inferred from ground deformation at Piton de La Fournaise - a case study for the Globvolcano project. , 2008, , .		0
39	SBAS-DInSAR GRID processing on-demand: A case study. , 2008, , .		0
40	DInSAR, GPS and gravity observation results in La Palma, Canary islands. , 2008, , .		2
41	Twoâ€scale surface deformation analysis using the SBASâ€DInSAR technique: a case study of the city of Rome, Italy. International Journal of Remote Sensing, 2008, 29, 1665-1684.	1.3	73
42	A New Method for Identification and Analysis of Persistent Scatterers in Series of SAR Images. , 2008, , .		76
43	Insar Analysis of Land Subsidence Caused by Groundwater Exploitation in Changping, Beijing, China., 2008,,.		2
44	A Permanent Scatterers Method for Analysis of Deformation over Permafrost Regions of Qinghai-Tibetan Plateau., 2008,,.		5
45	Advances in the remote sensing of volcanic activity and hazards, with special consideration to applications in developing countries. International Journal of Remote Sensing, 2008, 29, 6687-6723.	1.3	26
46	Generation of Advanced ERS and Envisat Interferometric SAR Products Using the Stable Point Network Technique. Photogrammetric Engineering and Remote Sensing, 2008, 74, 443-450.	0.3	116
47	Atmospheric Effects on InSAR Measurements and Their Mitigation. Sensors, 2008, 8, 5426-5448.	2.1	139
48	Mapping and monitoring geomorphological processes in mountainous areas using PSI data: Central Pyrenees case study. Natural Hazards and Earth System Sciences, 2009, 9, 1587-1598.	1.5	45
49	Advanced interpretation of subsidence in Murcia (SE Spain) using A-DInSAR data – modelling and validation. Natural Hazards and Earth System Sciences, 2009, 9, 647-661.	1.5	86
50	Application of ASAR PSI techonology to ground deformation detection in mega-cities of the Pearl River Delta Region in China. , 2009, , .		0
51	A simple robust two-scale phase component inversion scheme for persistent scatterer interferometry (dual-scale PSI). Canadian Journal of Remote Sensing, 2009, 35, 399-410.	1.1	7
52	Ground settlement monitoring from temporarily persistent scatterers between two SAR acquisitions. , 2009, , .		0
53	Land subsidence in the Nile Delta: inferences from radar interferometry. Holocene, 2009, 19, 949-954.	0.9	79
54	A review of the status of satellite remote sensing and image processing techniques for mapping natural hazards and disasters. Progress in Physical Geography, 2009, 33, 183-207.	1.4	358

#	Article	IF	Citations
55	Seasonal displacements in upper-middle alluvial fan of Chaobai River, Beijing, China, observed by the permanent scatterers technique. , $2009$ , , .		0
57	Advances in interferometric synthetic aperture radar (InSAR) in earth system science. Progress in Physical Geography, 2009, 33, 769-791.	1.4	65
58	Applications of SAR Interferometry in Earth and Environmental Science Research. Sensors, 2009, 9, 1876-1912.	2.1	136
59	From decades to epochs: Spanning the gap between geodesy and structural geology of active mountain belts. Journal of Structural Geology, 2009, 31, 1409-1422.	1.0	36
60	Sparse Two-Dimensional Phase Unwrapping Using Regular-Grid Methods. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 327-331.	1.4	19
61	Sparse Two-Dimensional Phase Unwrapping Using Regular Grid Methods. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 519-522.	1.4	12
62	DInSAR measurements of ground deformation by sinkholes, mining subsidence, and landslides, Ebro River, Spain. Earth Surface Processes and Landforms, 2009, 34, 1562-1574.	1.2	69
63	Analysis of Ground Deformation Detected Using the SBAS-DInSAR Technique in Umbria, Central Italy. Pure and Applied Geophysics, 2009, 166, 1425-1459.	0.8	83
64	Permanent Scatterer investigation of land subsidence in Greater Cairo, Egypt. Geophysical Journal International, 2009, 178, 1238-1245.	1.0	25
65	Present-day strain distribution across the Minab-Zendan-Palami fault system from dense GPS transects. Geophysical Journal International, 2009, 179, 751-762.	1.0	40
66	InSAR analyses of terrain deformation near the Wieliczka Salt Mine, Poland. Engineering Geology, 2009, 106, 58-67.	2.9	79
67	Validation and comparison of Advanced Differential Interferometry Techniques: Murcia metropolitan area case study. ISPRS Journal of Photogrammetry and Remote Sensing, 2009, 64, 501-512.	4.9	44
68	Time series analysis of Mexico City subsidence constrained by radar interferometry. Journal of Applied Geophysics, 2009, 69, 1-15.	0.9	194
69	InSAR permanent scatterers selection using SAR SVA filtering. , 2009, , .		0
70	Comparison and integration of GPS and DInSAR deformation time-series. , 2009, , .		0
71	Updating geomorphic features of watersheds and their boundaries in hazardous areas using satellite synthetic aperture radar. International Journal of Remote Sensing, 2009, 30, 5919-5933.	1.3	6
72	Satellite ground deformation measurements: An on-demand GRID-InSAR processing system exploiting the SBAS algorithm. , 2009, , .		1
<b>7</b> 3	Monitoring the land subsidence by IPTA technique. Proceedings of SPIE, 2009, , .	0.8	0

#	Article	IF	CITATIONS
74	Persistent Scatterer Interferometry. Photogrammetric Engineering and Remote Sensing, 2010, 76, 1061-1069.	0.3	133
75	A ground subsidence study based on DInSAR data: Calibration of soil parameters and subsidence prediction in Murcia City (Spain). Engineering Geology, 2010, 111, 19-30.	2.9	68
76	Integrated analysis of SAR interferometric and geological data for investigating long-term reclamation settlement of Chek Lap Kok Airport, Hong Kong. Engineering Geology, 2010, 110, 77-92.	2.9	84
77	Monitoring severe aquifer-system compaction and land subsidence in Taiwan using multiple sensors: Yunlin, the southern Choushui River Alluvial Fan. Environmental Earth Sciences, 2010, 59, 1535-1548.	1.3	81
78	Nonuniform Ground Motion Monitoring With TerraSAR-X Persistent Scatterer Interferometry. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 895-904.	2.7	120
79	Spatial and temporal deformation characteristics of marine alluvial deposits due to land reclamation: implications from InSAR observation and geotechnical estimate. Earth Surface Processes and Landforms, 2010, 35, 331-343.	1.2	6
80	Study of the land subsidence in Orihuela City (SE Spain) using PSI data: Distribution, evolution and correlation with conditioning and triggering factors. Engineering Geology, 2010, 115, 105-121.	2.9	39
81	Analysis of subsidence using TerraSAR-X data: Murcia case study. Engineering Geology, 2010, 116, 284-295.	2.9	62
82	Methods and Performances for Multi-Pass SAR Interferometry. , 2010, , .		12
83	Radar Remote Sensing of Urban Areas. Remote Sensing and Digital Image Processing, 2010, , .	0.7	41
83	Radar Remote Sensing of Urban Areas. Remote Sensing and Digital Image Processing, 2010, , .  PS-InSAR time series analysis for measuring surface deformation before the L'Aquila earthquake. , 2010, , .	0.7	41 O
	PS-InSAR time series analysis for measuring surface deformation before the L'Aquila earthquake. , 2010,	0.7	
84	PS-InSAR time series analysis for measuring surface deformation before the L'Aquila earthquake. , 2010, , .	3.3	0
84	PS-InSAR time series analysis for measuring surface deformation before the L'Aquila earthquake., 2010, , .  Retrieval of Ground Deformation Based on TS-DInSAR Technique., 2010, , .  Interferometric synthetic aperture radar–GPS integration: Interseismic strain accumulation across the Hunter Mountain fault in the eastern California shear zone. Journal of Geophysical Research,		0
84 85 86	PS-InSAR time series analysis for measuring surface deformation before the L'Aquila earthquake. , 2010, , .  Retrieval of Ground Deformation Based on TS-DInSAR Technique. , 2010, , .  Interferometric synthetic aperture radar–GPS integration: Interseismic strain accumulation across the Hunter Mountain fault in the eastern California shear zone. Journal of Geophysical Research, 2010, 115, .  Steady downslope movement on the western flank of Arenal volcano, Costa Rica. Geochemistry,	3.3	0 1 58
84 85 86	PS-InSAR time series analysis for measuring surface deformation before the L'Aquila earthquake. , 2010, , .  Retrieval of Ground Deformation Based on TS-DInSAR Technique. , 2010, , .  Interferometric synthetic aperture radar–GPS integration: Interseismic strain accumulation across the Hunter Mountain fault in the eastern California shear zone. Journal of Geophysical Research, 2010, 115, .  Steady downslope movement on the western flank of Arenal volcano, Costa Rica. Geochemistry, Geophysics, Geosystems, 2010, 11, .  PSInSAR as a new tool to monitor preâ€eruptive volcano ground deformation: Validation using GPS	3.3	0 1 58 30
84 85 86 87	PS-InSAR time series analysis for measuring surface deformation before the L'Aquila earthquake., 2010, ,.  Retrieval of Ground Deformation Based on TS-DInSAR Technique., 2010, ,.  Interferometric synthetic aperture radar–GPS integration: Interseismic strain accumulation across the Hunter Mountain fault in the eastern California shear zone. Journal of Geophysical Research, 2010, 115, .  Steady downslope movement on the western flank of Arenal volcano, Costa Rica. Geochemistry, Geophysics, Geosystems, 2010, 11, .  PSInSAR as a new tool to monitor preâ€eruptive volcano ground deformation: Validation using GPS measurements on Piton de la Fournaise. Geophysical Research Letters, 2010, 37, .  Spaceâ€borne radar interferometry techniques for the generation of deformation time series: An	3.3 1.0 1.5	0 1 58 30 54

#	Article	IF	CITATIONS
92	2 Katla and Eyjafjallajökull Volcanoes. Developments in Quaternary Sciences, 2010, 13, 5-21.	0.1	26
93	PSI-HSR: a new approach for representing Persistent Scatterer Interferometry (PSI) point targets using the hue and saturation scale. International Journal of Remote Sensing, 2010, 31, 2189-2196.	1.3	13
94	Monitoring slow moving landslides in the Berkeley Hills with TerraSAR-X data. , 2010, , .		2
95	SAR Calibration Aided by Permanent Scatterers. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 2076-2086.	2.7	40
96	Analysis of deformation over permafrost regions of Qinghai-Tibet plateau based on permanent scatterers. International Journal of Remote Sensing, 2010, 31, 1995-2008.	1.3	22
97	Modeling PSInSAR Time Series Without Phase Unwrapping. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 547-556.	2.7	112
98	Evaluating ScanSAR Interferometry Deformation Time Series Using Bursted Stripmap Data. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 2335-2342.	2.7	5
99	Ground Subsidence Monitoring of Yellow River Delta Based on Permanent Scatterers. , 2011, , .		O
100	Merging GPS and Atmospherically Corrected InSAR Data to Map 3-D Terrain Displacement Velocity. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 2354-2360.	2.7	67
101	The Stripmap–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.	2.7	29
102	A new product from persistent scatterer interferometry: The thermal dilation maps. , 2011, , .		8
103	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.	2.7	40
104	Present-day interseismic surface deformation along the Longitudinal Valley, eastern Taiwan, from a PS-InSAR analysis of the ERS satellite archives. Journal of Geophysical Research, 2011, 116, .	3.3	23
105	Quantitative evidence that compaction of Holocene sediments drives the present land subsidence of the Po Delta, Italy. Journal of Geophysical Research, $2011, 116, \ldots$	3.3	122
106	Error estimation in multitemporal InSAR deformation time series, with application to Lanzarote, Canary Islands. Journal of Geophysical Research, 2011, 116, .	3.3	56
107	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.	2.7	53
108	Dem corrections before unwrapping in a Small Baseline strategy for InSar time series analysis., 2011,,.		0
109	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.	0.7	44

#	Article	IF	Citations
110	Mexico City subsidence observed with persistent scatterer InSAR. International Journal of Applied Earth Observation and Geoinformation, 2011, 13, 1-12.	1.4	247
111	Advanced radar-interpretation of InSAR time series for mapping and characterization of geological processes. Natural Hazards and Earth System Sciences, 2011, 11, 865-881.	1.5	98
112	Preliminary analysis of a correlation between ground deformations and rainfall: the Ivancich landslide, central Italy. , $2011$ , , .		5
113	Monitoring land subsidence by PS-DInSAR and SBAS methods in Tianjin City. , 2011, , .		O
114	Inversion of Time-Lapse InSAR Data for Reservoir Pressure Monitoring: Example of the Krechba Field, Algeria., 2011,,.		7
115	Persistent Scatterer Interferometry subsidence data exploitation using spatial tools: The Vega Media of the Segura River Basin case study. Journal of Hydrology, 2011, 400, 411-428.	2.3	26
116	Co-eruptive subsidence at Galeras identified during an InSAR survey of Colombian volcanoes (2006–2009). Journal of Volcanology and Geothermal Research, 2011, 202, 228-240.	0.8	27
117	Time-Series InSAR Applications Over Urban Areas in China. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2011, 4, 92-100.	2.3	108
118	Estimating High-Resolution Atmospheric Phase Screens From Radar Interferometry Data. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 3117-3128.	2.7	6
119	A New Algorithm for Processing Interferometric Data-Stacks: SqueeSAR. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 3460-3470.	2.7	1,284
120	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.	2.7	148
121	InSAR detection of residual settlement of an ocean reclamation engineering project: a case study of Hong Kong International Airport. Journal of Oceanography, 2011, 67, 415-426.	0.7	34
122	Using differential SAR interferometry to map land subsidence: a case study in the Pingtung Plain of SW Taiwan. Natural Hazards, 2011, 58, 1311-1332.	1.6	41
123	Revisão: Subsidência regional associada à extracção de água subterrânea. Hydrogeology Journal, 2011, 19, 1459-1486.	0.9	614
124	Analysis with C- and X-band satellite SAR data of the Portalet landslide area. Landslides, 2011, 8, 195-206.	2.7	97
125	Spatial-temporal characteristics of land subsidence corresponding to dynamic groundwater funnel in Beijing Municipality, China. Chinese Geographical Science, 2011, 21, 753-764.	1.2	43
126	Ground settlement monitoring based on temporarily coherent points between two SAR acquisitions. ISPRS Journal of Photogrammetry and Remote Sensing, 2011, 66, 146-152.	4.9	86
127	InSAR atmospheric distortions mitigation: GPS observations and NCEP FNL data. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 464-471.	0.6	9

#	Article	IF	CITATIONS
128	Potential of small-baseline SAR interferometry for monitoring land subsidence related to underground coal fires: Wuda (Northern China) case study. Remote Sensing of Environment, 2011, 115, 257-268.	4.6	96
129	Surface deformation from persistent scatterers SAR interferometry and fusion with leveling data: A case study over the Choushui River Alluvial Fan, Taiwan. Remote Sensing of Environment, 2011, 115, 957-967.	4.6	66
130	Persistent Scatterers Interferometry detects and measures ground subsidence in Lisbon. Remote Sensing of Environment, 2011, 115, 2152-2167.	4.6	86
131	Persistent Scatterer InSAR: A comparison of methodologies based on a model of temporal deformation vs. spatial correlation selection criteria. Remote Sensing of Environment, 2011, 115, 2652-2663.	4.6	111
132	Monitoring and assessing reclamation settlement in coastal areas with advanced InSAR techniques: Macao city (China) case study. International Journal of Remote Sensing, 2011, 32, 3565-3588.	1.3	36
133	Monitoring the subsidence of KaiLuan coal mine by using D-InSAR technology. , 2011, , .		0
134	The research on deformation monitoring using Multi-Temporal InSAR., 2011,,.		0
135	The Application of PS-InSAR Technology on Land Subsidence in Cangzhou Region. Advanced Materials Research, 2011, 268-270, 1934-1939.	0.3	1
136	Study the land subsidence along JingHu highway (Beijing-Hebei) using PS-InSAR technique. , $2011, \ldots$		3
137	The analysis of land subsidence in Tianjin basing on interferometric synthetic aperture radar (InSAR) technique. , 2011, , .		1
138	Persistent scatterer SAR interferometry application on berkeley hills landslides. , 2011, , .		1
139	PSInSAR Technology Research and its Application on Landslide Monitoring. Applied Mechanics and Materials, 2012, 166-169, 2751-2756.	0.2	2
140	Rapid Mapping and Deformation Analysis over Cultural Heritage and Rural Sites Based on Persistent Scatterer Interferometry. International Journal of Geophysics, 2012, 2012, 1-19.	0.4	29
141	Crustal deformation in linfen area studied by MT-InSAR. , 2012, , .		1
142	Comparison of InSAR two-pass and time series methods for analysing landslides in central Georgia, Caucasus. , 2012, , .		2
143	Persistent Scatterers Interferometry Hotspot and Cluster Analysis (PSI-HCA) for detection of extremely slow-moving landslides. International Journal of Remote Sensing, 2012, 33, 466-489.	1.3	125
144	TerraSAR-X Time series uplift monitoring in Staufen, South-West Germany. , 2012, , .		0
145	Optimized filter design for irregular acquired data stack in persistent scatterers synthetic aperture radar interferometry. , 2012, , .		2

#	Article	IF	CITATIONS
146	Tianjin suburbs PS-QPS analysis and validation with leveling data. , 2012, , .		1
147	Stable Target Detection and Coherence Estimation in Interferometric SAR Stacks. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 3171-3178.	2.7	13
148	Complex Urban Infrastructure Deformation Monitoring Using High Resolution PSI. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2012, 5, 643-651.	2.3	36
149	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.	1.3	179
150	A quantitative assessment of DInSAR Time series accuracy in volcanic areas: From the first to second generation SAR sensors. , 2012, , .		0
151	Multi-platform persistent scatterer SAR interferometry time series analyzing. , 2012, , .		1
152	Monitoring land subsidence and its induced geological hazard with Synthetic Aperture Radar Interferometry: A case study in Morelia, Mexico. Remote Sensing of Environment, 2012, 117, 146-161.	4.6	149
153	The Sentinel-1 mission for the improvement of the scientific understanding and the operational monitoring of the seismic cycle. Remote Sensing of Environment, 2012, 120, 164-174.	4.6	111
154	Multiscale InSAR Time Series (MInTS) analysis of surface deformation. Journal of Geophysical Research, 2012, 117, .	3.3	108
155	Estimating 1992–2000 average active layer thickness on the Alaskan North Slope from remotely sensed surface subsidence. Journal of Geophysical Research, 2012, 117, .	3.3	106
156	Regional trends in active diapirism revealed by mountain rangeâ€scale InSAR time series. Geophysical Research Letters, 2012, 39, .	1.5	24
157	An analysis of terrain properties and the location of surface scatterers from persistent scatterer interferometry. ISPRS Journal of Photogrammetry and Remote Sensing, 2012, 73, 50-57.	4.9	18
158	Deformation monitoring of single buildings using meter-resolution SAR data in PSI. ISPRS Journal of Photogrammetry and Remote Sensing, 2012, 73, 68-79.	4.9	85
159	Assessments of serious anthropogenic land subsidence in Yunlin County of central Taiwan from 1996 to 1999 by Persistent Scatterers InSAR. Tectonophysics, 2012, 578, 126-135.	0.9	55
160	Remote Sensing of Volcanic Hazards and Their Precursors. Proceedings of the IEEE, 2012, 100, 2908-2930.	16.4	30
161	Contemporaneous Subsidence and Levee Overtopping Potential, Sacramento-San Joaquin Delta, California. San Francisco Estuary and Watershed Science, 2012, 10, .	0.2	21
162	Advanced Multitemporal Phase Unwrapping Techniques for DInSAR Analyses. , 2012, , .		4
163	Land subsidence along the Ionian coast of SE Sicily (Italy), detection and analysis via Small Baseline Subset (SBAS) multitemporal differential SAR interferometry. Earth Surface Processes and Landforms, 2012, 37, 273-286.	1.2	23

#	Article	IF	CITATIONS
164	A Quantitative Assessment of DInSAR Measurements of Interseismic Deformation: The Southern San Andreas Fault Case Study. Pure and Applied Geophysics, 2012, 169, 1463-1482.	0.8	97
165	Landslide inventory maps: New tools for an old problem. Earth-Science Reviews, 2012, 112, 42-66.	4.0	1,317
166	Correcting atmospheric effects on InSAR with MERIS water vapour data and elevation-dependent interpolation model. Geophysical Journal International, 2012, 189, 898-910.	1.0	60
167	Subsidence of Askja caldera 2000–2009: Modelling of deformation processes at an extensional plate boundary, constrained by time series InSAR analysis. Journal of Volcanology and Geothermal Research, 2012, 213-214, 72-82.	0.8	34
168	Recent advances in SAR interferometry time series analysis for measuring crustal deformation. Tectonophysics, 2012, 514-517, 1-13.	0.9	617
169	Repeat-Pass SAR Interferometry With Partially Coherent Targets. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 271-280.	2.7	233
170	Are numerical weather model outputs helpful to reduce tropospheric delay signals in InSAR data?. Journal of Geodesy, 2013, 87, 267-277.	1.6	36
171	The viStaMPS tool for visualization and manipulation of time series interferometric results. Computers and Geosciences, 2013, 52, 409-421.	2.0	5
172	An Improved Persistent Scatterer Interferometry for Subsidence Monitoring in the Tehran Basin. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 1571-1577.	2.3	14
173	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.	2.7	79
174	Monitoring of GuadalentÃn valley (southern Spain) through a fast SAR Interferometry method. Journal of Applied Geophysics, 2013, 91, 39-48.	0.9	19
175	Multi-sensor data fusion for remote sensing of post-eruptive deformation and depositional features at Redoubt Volcano. Journal of Volcanology and Geothermal Research, 2013, 259, 414-423.	0.8	13
176	Surface deformation detected by ALOS PALSAR small baseline SAR interferometry over permafrost environment of Beiluhe section, Tibet Plateau, China. Remote Sensing of Environment, 2013, 138, 10-18.	4.6	103
177	Interpretation of ground surface changes prior to the 2010 large eruption of Merapi volcano using ALOS/PALSAR, ASTER TIR and gas emission data. Journal of Volcanology and Geothermal Research, 2013, 261, 130-143.	0.8	37
178	Integration of TerraSAR-X and PALSAR PSI for detecting ground deformation. International Journal of Remote Sensing, 2013, 34, 5393-5408.	1.3	11
179	Monitoring subsidence rates along road network by persistent scatterer SAR interferometry with high-resolution TerraSAR-X imagery. Journal of Modern Transportation, 2013, 21, 236-246.	2.5	15
180	The utility of atmospheric analyses for the mitigation of artifacts in InSAR. Journal of Geophysical Research: Solid Earth, 2013, 118, 748-758.	1.4	34
181	Surface deformation induced by water influx in the abandoned coal mines in Limburg, The Netherlands observed by satellite radar interferometry. Journal of Applied Geophysics, 2013, 88, 1-11.	0.9	92

#	Article	IF	CITATIONS
182	Methodology for Evaluating Technical Risks and Monitoring Methods Selection for CO2 Geological Storage in Oltenia Region. Energy Procedia, 2013, 37, 4006-4014.	1.8	1
183	Slow slip event in the Mexican subduction zone: Evidence of shallower slip in the Guerrero seismic gap for the 2006 event revealed by the joint inversion of InSAR and GPS data. Earth and Planetary Science Letters, 2013, 367, 52-60.	1.8	53
184	Hybrid conventional and Persistent Scatterer SAR interferometry for land subsidence monitoring in the Tehran Basin, Iran. ISPRS Journal of Photogrammetry and Remote Sensing, 2013, 79, 157-170.	4.9	64
185	A tutorial on synthetic aperture radar. IEEE Geoscience and Remote Sensing Magazine, 2013, 1, 6-43.	4.9	1,580
186	Interseismic strain accumulation across the North Tabriz Fault (NW Iran) deduced from InSAR time series. Journal of Geodynamics, 2013, 66, 53-58.	0.7	46
187	Multi-sensor advanced DInSAR monitoring of very slow landslides: The Tena Valley case study (Central) Tj ETQq1	1	.4 rgBT /Ove
188	A TerraSAR-X InSAR study of landslides in southern Kyrgyzstan, Central Asia. Remote Sensing Letters, 2013, 4, 657-666.	0.6	39
189	Fault slip rates and interseismic deformation in the western Transverse Ranges, California. Journal of Geophysical Research: Solid Earth, 2013, 118, 4511-4534.	1.4	45
190	Present-day strain distribution across a segment of the central bend of the North Anatolian Fault Zone from a Persistent-Scatterers InSAR analysis of the ERS and Envisat archives. Geophysical Journal International, 2013, 192, 929-945.	1.0	16
191	Episodic deformation at Changbaishan Tianchi volcano, northeast China during 2004 to 2010, observed by persistent scatterer interferometric synthetic aperture radar. Journal of Applied Remote Sensing, 2013, 7, 073499.	0.6	6
192	GPS and InSAR Time Series Analysis: Deformation Monitoring Application in a Hydraulic Engineering Resettlement Zone, Southwest China. Mathematical Problems in Engineering, 2013, 2013, 1-11.	0.6	5
193	Transient active deformation in Tainan tableland using persistent scatterers SAR interferometry. Bulletin - Societie Geologique De France, 2013, 184, 441-450.	0.9	5
194	Monitoring Santorini volcano (Greece) breathing from space. Geophysical Journal International, 2013, 193, 161-170.	1.0	28
195	Surface displacement estimation using multi-temporal SAR Interferometry in a seismically active region of the Himalaya. Georisk, 2013, 7, 184-197.	2.6	4
196	Characterization and identification of partially correlated persistent scatterers for InSAR remote sensing. , 2013, , .		0
197	The comprehensive deformation retrieval for SAR interferometric data. International Journal of Remote Sensing, 2013, 34, 1526-1539.	1.3	2
198	A region-growing technique to improve multi-temporal DInSAR interferogram phase unwrapping performance. Remote Sensing Letters, 2013, 4, 988-997.	0.6	15
199	Present-day deformation of Agung volcano, Indonesia, as determined using SBAS-InSAR. Geodesy and Geodynamics, 2013, 4, 65-70.	1.0	6

#	Article	IF	CITATIONS
200	Mapping inflation at Santorini volcano, Greece, using GPS and InSAR. Geophysical Research Letters, 2013, 40, 267-272.	1.5	44
201	Neural Network Modelling of Tehran Land Subsidence Measured by Persistent Scatterer Interferometry. Photogrammetrie, Fernerkundung, Geoinformation, 2013, 2013, 5-17.	1.2	11
202	Multi-temporal SAR interferometry reveals acceleration of bridge sinking before collapse. Natural Hazards and Earth System Sciences, 2013, 13, 659-667.	1.5	108
203	Exploitation of Large Archives of ERS and ENVISAT C-Band SAR Data to Characterize Ground Deformations. Remote Sensing, 2013, 5, 3896-3917.	1.8	49
204	Persistent Scatterer Interferometry (PSI) Technique for Landslide Characterization and Monitoring. Remote Sensing, 2013, 5, 1045-1065.	1.8	233
205	Great challenges in structural geology and tectonics. Frontiers in Earth Science, 2013, 1, .	0.8	10
206	Characterization of Landslide Deformations in Three Gorges Area Using Multiple InSAR Data Stacks. Remote Sensing, 2013, 5, 2704-2719.	1.8	64
207	Remarkable Urban Uplift in Staufen im Breisgau, Germany: Observations from TerraSAR-X InSAR and Leveling from 2008 to 2011. Remote Sensing, 2013, 5, 3082-3100.	1.8	31
208	Slope Stability Assessment of the Sarcheshmeh Landslide, Northeast Iran, Investigated Using InSAR and GPS Observations. Remote Sensing, 2013, 5, 3681-3700.	1.8	46
209	Detection and Monitoring of Surface Motions in Active Open Pit Iron Mine in the Amazon Region, Using Persistent Scatterer Interferometry with TerraSAR-X Satellite Data. Remote Sensing, 2013, 5, 4719-4734.	1.8	27
210	Damage to Buildings in Large Slope Rock Instabilities Monitored with the PSInSARâ,,¢ Technique. Remote Sensing, 2013, 5, 4753-4773.	1.8	43
211	Technical Note: Use of remote sensing for landslide studies in Europe. Natural Hazards and Earth System Sciences, 2013, 13, 299-309.	1.5	115
212	A Comparison of Precise Leveling and Persistent Scatterer SAR Interferometry for Building Subsidence Rate Measurement. ISPRS International Journal of Geo-Information, 2013, 2, 797-816.	1.4	23
213	Interferometric SAR monitoring of the Vallcebre landslide (Spain) using corner reflectors. Natural Hazards and Earth System Sciences, 2013, 13, 923-933.	1.5	60
214	Advanced interpretation of land subsidence by validating multi-interferometric SAR data: the case study of the Anthemountas basin (Northern Greece). Natural Hazards and Earth System Sciences, 2013, 13, 2425-2440.	1.5	45
215	Thin-skinned mass-wasting responsible for widespread deformation at Arenal volcano. Frontiers in Earth Science, 2014, 2, .	0.8	27
216	Slope Superficial Displacement Monitoring by Small Baseline SAR Interferometry Using Data from L-band ALOS PALSAR and X-band TerraSAR: A Case Study of Hong Kong, China. Remote Sensing, 2014, 6, 1564-1586.	1.8	19
217	An Approach to Persistent Scatterer Interferometry. Remote Sensing, 2014, 6, 6662-6679.	1.8	88

#	Article	IF	Citations
218	L- and X-Band Multi-Temporal InSAR Analysis of Tianjin Subsidence. Remote Sensing, 2014, 6, 7933-7951.	1.8	60
219	A Procedure to Map Subsidence at the Regional Scale Using the Persistent Scatterer Interferometry (PSI) Technique. Remote Sensing, 2014, 6, 10510-10522.	1.8	29
220	Recent land subsidence caused by the rapid urban development in the Hanoi region (Vietnam) using ALOS InSAR data. Natural Hazards and Earth System Sciences, 2014, 14, 657-674.	1.5	50
222	Investigating Spatial Patterns of Persistent Scatterer Interferometry Point Targets and Landslide Occurrences in the Arno River Basin. Remote Sensing, 2014, 6, 6817-6843.	1.8	20
223	Persistent Scatterer Interferometry Processing of COSMO-SkyMed StripMap HIMAGE Time Series to Depict Deformation of the Historic Centre of Rome, Italy. Remote Sensing, 2014, 6, 12593-12618.	1.8	85
224	On Reconstruction of the Three Displacement Vector Components from SAR LOS Displacements for Oil and Gas Producing Fields. Procedia Technology, 2014, 16, 385-393.	1.1	2
225	Ground-Based Polarimetric SAR Interferometry for the Monitoring of Terrain Displacement Phenomena–Part I: Theoretical Description. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, , 1-1.	2.3	24
226	Ground-Based Polarimetric SAR Interferometry for the Monitoring of Terrain Displacement Phenomena–Part II: Applications. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, , 1-14.	2.3	23
227	viStaMPS – A Collaborative Project for StaMPS-MTI Results Interpretation. Procedia Technology, 2014, 16, 842-848.	1.1	3
228	Mission design for NISAR repeat-pass Interferometric SAR. Proceedings of SPIE, 2014, , .	0.8	5
229	A Method for Objects Classification Based on InSAR Data. Advanced Materials Research, 2014, 971-973, 1473-1476.	0.3	0
230	Improved characterization of slow-moving landslides by means of adaptive NL-InSAR filtering. Proceedings of SPIE, 2014, , .	0.8	1
231	Angkor site monitoring and evaluation by radar remote sensing. , 2014, , .		1
232	The PSIG approach to persistent scatterer interferometry. , 2014, , .		3
233	Improvement of PS-InSAR atmospheric phase estimation by using WRF model. , 2014, , .		2
234	Pre-eruptive ground deformation of Azerbaijan mud volcanoes detected through satellite radar interferometry (DInSAR). Tectonophysics, 2014, 637, 163-177.	0.9	36
235	Loess Slope Instability Assessment Based on PS-InSAR Detected and Spatial Analysis in Lanzhou Region, China. Advanced Materials Research, 0, 1065-1069, 2342-2352.	0.3	3
236	A differential SAR interferometry (DInSAR) investigation of the deformation affecting the coastal reclaimed areas of the Shangai megacity. , $2014$ , , .		2

#	Article	IF	CITATIONS
237	Deformation monitoring of slow-moving landslide with L- and C-band SAR interferometry. Remote Sensing Letters, 2014, 5, 951-960.	0.6	12
238	An application of the SBAS-DInSAR technique for the assessment of structural damage in the city of Rome. Structure and Infrastructure Engineering, 2014, 10, 1469-1483.	2.0	89
239	Multi-temporal InSAR for Deformation Monitoring of the Granada and Padul Faults and the Surrounding Area (Betic Cordillera, Southern Spain). Procedia Technology, 2014, 16, 886-896.	1.1	4
240	PS-InSAR Monitoring of Landslide Activity in the Black Sea Coast of the Caucasus. Procedia Technology, 2014, 16, 404-413.	1.1	16
241	Deformation Monitoring of Offshore Platform Using the Persistent Scatterer Interferometry Technique. Applied Mechanics and Materials, 0, 567, 325-330.	0.2	7
242	Ground instability detection using PS-InSAR in Lanzhou, China. Quarterly Journal of Engineering Geology and Hydrogeology, 2014, 47, 307-321.	0.8	10
243	Ground subsidence phenomena in the Delta municipality region (Northern Greece): Geotechnical modeling and validation with Persistent Scatterer Interferometry. International Journal of Applied Earth Observation and Geoinformation, 2014, 28, 78-89.	1.4	55
244	Subsidence Monitoring of Tianjin Suburbs by TerraSAR-X Persistent Scatterers Interferometry. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 1642-1650.	2.3	54
245	Three-Dimensional Phase Unwrapping for Satellite Radar Interferometry, I: DEM Generation. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 1059-1075.	2.7	28
246	Investigating landslides and unstable slopes with satellite Multi Temporal Interferometry: Current issues and future perspectives. Engineering Geology, 2014, 174, 103-138.	2.9	420
247	Comparison between Differential SAR interferometry and ground measurements data in the displacement monitoring of the earth-dam of Conza della Campania (Italy). Remote Sensing of Environment, 2014, 148, 58-69.	4.6	78
248	Surface displacement estimation using space-borne SAR interferometry in a small portion along Himalayan Frontal Fault. Optics and Lasers in Engineering, 2014, 53, 164-178.	2.0	8
249	Quantitative hazard and risk assessment for slow-moving landslides from Persistent Scatterer Interferometry. Landslides, 2014, 11, 685-696.	2.7	94
250	Volcanology: Lessons learned from Synthetic Aperture Radar imagery. Journal of Volcanology and Geothermal Research, 2014, 289, 81-113.	0.8	116
251	New insights on the Salmon Falls Creek Canyon landslide complex based on geomorphological analysis and multitemporal satellite InSAR techniques. Landslides, 2014, 11, 1141-1153.	2.7	22
252	Land subsidence and ground fissures in Xi'an, China 2005–2012 revealed by multi-band InSAR time-series analysis. Remote Sensing of Environment, 2014, 155, 366-376.	4.6	142
253	Some problems of landslide monitoring using satellite radar imagery with different wavelengths: Case study of two landslides in the region of Greater Sochi. Izvestiya, Physics of the Solid Earth, 2014, 50, 576-587.	0.2	9
254	An Analysis of the Uncertainty in InSAR Deformation Measurements for Groundwater Applications in Agricultural Areas. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2992-3001.	2.3	22

#	ARTICLE	IF	CITATIONS
255	Persistent Scatterer Pair Interferometry: Approach and Application to COSMO-SkyMed SAR Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2869-2879.	2.3	79
256	DEM Corrections Before Unwrapping in a Small Baseline Strategy for InSAR Time Series Analysis. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 696-700.	1.4	31
257	Extent and distribution of aseismic slip on the IsmetpaÅŸa segment of the North Anatolian Fault (Turkey) from Persistent Scatterer InSAR. Geochemistry, Geophysics, Geosystems, 2014, 15, 2883-2894.	1.0	67
258	Quantification of mass wasting volume associated with the giant landslide Daguangbao induced by the 2008 Wenchuan earthquake from persistent scatterer InSAR. Remote Sensing of Environment, 2014, 152, 125-135.	4.6	58
259	Using Envisat InSAR time-series to investigate the surface kinematics of an active salt extrusion near Qum, Iran. Journal of Geodynamics, 2014, 81, 56-66.	0.7	10
260	A Novel Multitemporal InSAR Model for Joint Estimation of Deformation Rates and Orbital Errors. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 3529-3540.	2.7	77
261	Mapping and monitoring geological hazards using optical, LiDAR, and synthetic aperture RADAR image data. Natural Hazards, 2014, 73, 137-163.	1.6	50
262	Small slope tilts caused by meteorological effects and vital processes of trees on a wooded slope in HidegvÃz Valley, Hungary. Geomorphology, 2014, 206, 239-249.	1.1	2
263	Monitoring of coal mining subsidence in peri-urban area of Zonguldak city (NW Turkey) with persistent scatterer interferometry using ALOS-PALSAR. Environmental Earth Sciences, 2014, 71, 4081-4089.	1.3	69
264	Deformation analysis of the Lake Urmia causeway (LUC) embankments in northwest Iran: insights from multi-sensor interferometry synthetic aperture radar (InSAR) data and finite element modeling (FEM). Journal of Geodesy, 2014, 88, 1171-1185.	1.6	26
265	Multilook SAR Tomography for 3-D Reconstruction and Monitoring of Single Structures Applied to COSMO-SKYMED Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 2776-2785.	2.3	58
266	Space geodetic observations and models of postseismic deformation due to the 2005 <i>M</i> 7.6 Kashmir (Pakistan) earthquake. Journal of Geophysical Research: Solid Earth, 2014, 119, 7306-7318.	1.4	38
267	The PSIG chain: an approach to Persistent Scatterer Interferometry., 2014,,.		0
268	Soil fracturing identification in Southern Zona Metropolitana del Valle de Mexico by means of multi-pass InSAR and GPR. , 2015, , .		0
269	Dome growth at Mount Cleveland, Aleutian Arc, quantified by time series TerraSARâ€X imagery. Geophysical Research Letters, 2015, 42, 10,614.	1.5	37
270	State-of-the-art in studies of glacial isostatic adjustment for the British Isles: a literature review. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2015, 106, 145-170.	0.3	7
271	Accelerating persistent scatterer pixel selection for InSAR processing. , 2015, , .		2
272	On the potential of time series InSAR for subsidence and ground rupture evaluation: application to Texcoco and Cuautitlan–Pachuca subbasins, northern Valley of Mexico. Natural Hazards, 2015, 79, 1091-1110.	1.6	12

#	Article	IF	CITATIONS
273	Sizing a geodetic network for risk-oriented monitoring of surface deformations induced by CO 2 injection: Experience feedback with InSAR data collected at In-Salah, Algeria. International Journal of Greenhouse Gas Control, 2015, 42, 571-582.	2.3	9
274	Persistent scatterer InSAR for monitoring active volcanoes: Measuring deformation at Merapi using ALOS PALSAR data., 2015, , .		2
275	Reservoir characterization in an underground gas storage field using joint inversion of flow and geodetic data. International Journal for Numerical and Analytical Methods in Geomechanics, 2015, 39, 1619-1638.	1.7	33
276	A persistent scatterer interpolation for retrieving accurate ground deformation over InSARâ€decorrelated agricultural fields. Geophysical Research Letters, 2015, 42, 9294-9301.	1.5	19
277	A Hierarchical Approach to Persistent Scatterer Network Construction and Deformation Time Series Estimation. Remote Sensing, 2015, 7, 211-228.	1.8	7
278	Long Term Subsidence Analysis and Soil Fracturing Zonation Based on InSAR Time Series Modelling in Northern Zona Metropolitana del Valle de Mexico. Remote Sensing, 2015, 7, 6908-6931.	1.8	6
279	Mapping Ground Subsidence Phenomena in Ho Chi Minh City through the Radar Interferometry Technique Using ALOS PALSAR Data. Remote Sensing, 2015, 7, 8543-8562.	1.8	49
280	Post-Eruptive Inflation of Okmok Volcano, Alaska, from InSAR, 2008–2014. Remote Sensing, 2015, 7, 16778-16794.	1.8	15
281	PSI Deformation Map Retrieval by Means of Temporal Sublook Coherence on Reduced Sets of SAR Images. Remote Sensing, 2015, 7, 530-563.	1.8	41
282	StaMPS Improvement for Deformation Analysis in Mountainous Regions: Implications for the Damavand Volcano and Mosha Fault in Alborz. Remote Sensing, 2015, 7, 8323-8347.	1.8	36
283	Exploitation of Amplitude and Phase of Satellite SAR Images for Landslide Mapping: The Case of Montescaglioso (South Italy). Remote Sensing, 2015, 7, 14576-14596.	1.8	84
284	An On-Demand Web Tool for the Unsupervised Retrieval of Earth's Surface Deformation from SAR Data: The P-SBAS Service within the ESA G-POD Environment. Remote Sensing, 2015, 7, 15630-15650.	1.8	72
285	InSAR Time Series Analysis of Natural and Anthropogenic Coastal Plain Subsidence: The Case of Sibari (Southern Italy). Remote Sensing, 2015, 7, 16004-16023.	1.8	37
286	Differential Radar Interferometry for Structural and Ground Deformation Monitoring: A New Tool for the Conservation and Sustainability of Cultural Heritage Sites. Sustainability, 2015, 7, 1712-1729.	1.6	37
287	Monitoring ground deformation in the settlement of Larissa in Central Greece by implementing SAR interferometry. Natural Hazards, 2015, 78, 1429-1445.	1.6	8
288	Subsidence monitoring in coal area using time-series InSAR combining persistent scatterers and distributed scatterers. International Journal of Applied Earth Observation and Geoinformation, 2015, 39, 49-55.	1.4	29
289	Radar Technologies for Landslide Detection, Monitoring, Early Warning and Emergency Management., 2015, , 209-232.		5
290	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.	2.7	92

#	Article	IF	CITATIONS
291	INSAR railway monitoring validation through high density leveling campaign. , 2015, , .		1
292	Potential of SAR intensity tracking technique to estimate displacement rate in a landslide-prone area in Haridwar region, India. Natural Hazards, 2015, 79, 2101-2121.	1.6	19
293	Multi-sensor PSI analysis of deformation in Lesina Marina (Southern Italy). , 2015, , .		0
294	Multichannel Phase Unwrapping: Problem Topology and Dual-Level Parallel Computational Model. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5774-5793.	2.7	14
295	Annual rates of ground deformation (1993–2010) at Campi Flegrei, Italy, revealed by Persistent Scatterer Pair (PSP) – SAR interferometry. International Journal of Remote Sensing, 2015, 36, 6160-6191.	1.3	10
296	Lava flow mapping and volume calculations for the 2012–2013 Tolbachik, Kamchatka, fissure eruption using bistatic TanDEM-X InSAR. Bulletin of Volcanology, 2015, 77, 1.	1.1	35
297	Analysis of land deformation velocity using PSI ALOS PALSAR: Impact of coastal sedimentation to future Jakarta giant sea wall and waterfront city. , $2015$ , , .		3
298	Evaluation of land subsidence from underground coal mining using TimeSAR (SBAS and PSI) in Springfield, Illinois, USA. Natural Hazards, 2015, 79, 1739-1751.	1.6	42
299	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.	2.3	12
300	Nationwide ground deformation monitoring by persistent scatterer interferometry. , 2015, , .		4
301	Remote Sensing of Landslide Motion with Emphasis on Satellite Multitemporal Interferometry Applications., 2015,, 345-403.		28
302	The contribution of PSInSAR interferometry to landslide hazard in weak rock-dominated areas. Landslides, 2015, 12, 703-719.	2.7	73
303	Landslide deformation monitoring with ALOS/PALSAR imagery: A D-InSAR geomorphological interpretation method. Geomorphology, 2015, 231, 314-330.	1.1	160
304	Integrated velocity field from ground and satellite geodetic techniques: application to Arenal volcano. Geophysical Journal International, 2015, 200, 863-879.	1.0	19
305	Present-day surface deformation and tectonic insights of the extensional Ilan Plain, NE Taiwan. Journal of Asian Earth Sciences, 2015, 105, 408-417.	1.0	12
306	Monitoring the land subsidence with persistent scatterer interferometry in Nansha District, Guangdong, China. Natural Hazards, 2015, 75, 2947-2964.	1.6	18
307	A noise model for InSAR time series. Journal of Geophysical Research: Solid Earth, 2015, 120, 2752-2771.	1.4	96
308	Quaternary deformation in SE Sicily: Insights into the life and cycles of forebulge fault systems. Lithosphere, 2015, 7, 519-534.	0.6	13

#	Article	IF	CITATIONS
309	Surface deformation in the Himalaya and adjoining piedmont zone of the Ganga Plain, Uttarakhand, India: Determined by different radar interferometric techniques. Journal of Asian Earth Sciences, 2015, 106, 119-129.	1.0	14
310	Understanding the subsidence process of a quaternary plain by combining geological and hydrogeological modelling with satellite InSAR data: The Acque Albule Plain case study. Remote Sensing of Environment, 2015, 168, 219-238.	4.6	38
311	Ground deformation mapping by fusion of multi-temporal interferometric synthetic aperture radar images: a review. International Journal of Image and Data Fusion, 2015, 6, 289-313.	0.8	16
312	Interferometric Synthetic Aperture Radar Geodesy. , 2015, , 339-385.		29
313	Temporal Filtering of InSAR Data Using Statistical Parameters From NWP Models. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 4033-4044.	2.7	22
314	Volumetric change quantification of the 2010 Merapi eruption using TanDEM-X InSAR. Remote Sensing of Environment, 2015, 164, 16-25.	4.6	41
315	Uplift around the geothermal power plant of Landau (Germany) as observed by InSAR monitoring. Geothermal Energy, 2015, 3, .	0.9	23
316	Geohazards Monitoring in Roma from InSAR and In Situ Data: Outcomes of the PanGeo Project. Pure and Applied Geophysics, 2015, 172, 2997-3028.	0.8	22
317	A general framework and related procedures for multiscale analyses of DInSAR data in subsiding urban areas. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 105, 186-210.	4.9	49
318	Monitoring of offshore platform deformation with stanford method of Persistent Scatterer (StaMPS)., 2015,,.		7
319	Mapping ground deformation over Houston–Galveston, Texas using multi-temporal InSAR. Remote Sensing of Environment, 2015, 169, 290-306.	4.6	123
320	Application of distributed fiber optic sensing technique in land subsidence monitoring. Journal of Civil Structural Health Monitoring, 2015, 5, 587-597.	2.0	36
321	A DInSAR Investigation of the Ground Settlement Time Evolution of Ocean-Reclaimed Lands in Shanghai. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 1763-1781.	2.3	48
322	Monitoring of landslides in Nainital, Uttarakhand, India: Validation of PS-InSAR results. , 2015, , .		4
323	Analysis of ground subsidence at a coal-mining area in Huainan using time-series InSAR. International Journal of Remote Sensing, 2015, 36, 5790-5810.	1.3	22
324	Ductile flow in sub-volcanic carbonate basement as the main control for edifice stability: New experimental insights. Earth and Planetary Science Letters, 2015, 430, 533-541.	1.8	22
325	CAESAR: An Approach Based on Covariance Matrix Decomposition to Improve Multibaseline–Multitemporal Interferometric SAR Processing. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2050-2065.	2.7	203
326	Shallow Hydrothermal Pressurization before the 2010 Eruption of Mount Sinabung Volcano, Indonesia, Observed by use of ALOS Satellite Radar Interferometry. Pure and Applied Geophysics, 2015, 172, 3229-3245.	0.8	10

#	Article	IF	CITATIONS
327	Spatial correlation between land subsidence and urbanization in Beijing, China. Natural Hazards, 2015, 75, 2637-2652.	1.6	53
328	Temporal Decorrelation in L-, C-, and X-band Satellite Radar Interferometry for Pasture on Drained Peat Soils. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1096-1104.	2.7	75
329	Coupling of GPS/GNSS and radar interferometric data for a 3D surface displacement monitoring of landslides. Landslides, 2015, 12, 241-257.	2.7	77
330	Slope deformation prior to Zhouqu, China landslide from InSAR time series analysis. Remote Sensing of Environment, 2015, 156, 45-57.	4.6	148
331	Topological Characterization and Advanced Noise-Filtering Techniques for Phase Unwrapping of Interferometric Data Stacks. , 2016, , .		2
332	Phase Estimation for Distributed Scatterers in InSAR Stacks Using Integer Least Squares Estimation. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5671-5687.	2.7	93
333	Space-Borne and Ground-Based InSAR Data Integration: The Ãknes Test Site. Remote Sensing, 2016, 8, 237.	1.8	52
334	Deformation Monitoring and Analysis of the Geological Environment of Pudong International Airport with Persistent Scatterer SAR Interferometry. Remote Sensing, 2016, 8, 1021.	1.8	33
335	Ground Subsidence in the Beijing-Tianjin-Hebei Region from 1992 to 2014 Revealed by Multiple SAR Stacks. Remote Sensing, 2016, 8, 675.	1.8	73
336	TerraSAR-X Data for High-Precision Land Subsidence Monitoring: A Case Study in the Historical Centre of Hanoi, Vietnam. Remote Sensing, 2016, 8, 338.	1.8	22
337	Complex Deformation Monitoring over the Linfen–Yuncheng Basin (China) with Time Series InSAR Technology. Remote Sensing, 2016, 8, 284.	1.8	16
338	Anatomy of Subsidence in Tianjin from Time Series InSAR. Remote Sensing, 2016, 8, 266.	1.8	33
339	Spatiotemporal Characterization of Land Subsidence and Uplift (2009–2010) over Wuhan in Central China Revealed by TerraSAR-X InSAR Analysis. Remote Sensing, 2016, 8, 350.	1.8	53
340	Advanced SAR Interferometric Analysis to Support Geomorphological Interpretation of Slow-Moving Coastal Landslides (Malta, Mediterranean Sea). Remote Sensing, 2016, 8, 443.	1.8	42
341	Subsidence Monitoring over the Southern Coalfield, Australia Using both L-Band and C-Band SAR Time Series Analysis. Remote Sensing, 2016, 8, 543.	1.8	43
342	Evaluation of the Use of Sub-Pixel Offset Tracking Techniques to Monitor Landslides in Densely Vegetated Steeply Sloped Areas. Remote Sensing, 2016, 8, 659.	1.8	33
343	Detecting Slope and Urban Potential Unstable Areas by Means of Multi-Platform Remote Sensing Techniques: The Volterra (Italy) Case Study. Remote Sensing, 2016, 8, 746.	1.8	35
344	Secondary Fault Activity of the North Anatolian Fault near Avcilar, Southwest of Istanbul: Evidence from SAR Interferometry Observations. Remote Sensing, 2016, 8, 846.	1.8	6

#	Article	IF	CITATIONS
345	Taking Advantage of the ESA G-POD Service to Study Ground Deformation Processes in High Mountain Areas: A Valle d'Aosta Case Study, Northern Italy. Remote Sensing, 2016, 8, 852.	1.8	33
346	Hybrid-SAR Technique: Joint Analysis Using Phase-Based and Amplitude-Based Methods for the Xishancun Giant Landslide Monitoring. Remote Sensing, 2016, 8, 874.	1.8	25
347	Satellite SAR Interferometry for Earth's Crust Deformation Monitoring and Geological Phenomena Analysis. , 0, , .		2
348	Mexico City land subsidence in 2014–2015 with Sentinel-1 IW TOPS: Results using the Intermittent SBAS (ISBAS) technique. International Journal of Applied Earth Observation and Geoinformation, 2016, 52, 230-242.	1.4	108
349	Persistent Scatterer Interferometry analysis of ground deformation in the Po Plain (Piacenza-Reggio) Tj ETQq0 0 0 206, 1440-1455.	) rgBT /O\ 1.0	verlock 10 Tf 5 6
350	Geodetic constraints on frictional properties and earthquake hazard in the Imperial Valley, Southern California. Journal of Geophysical Research: Solid Earth, 2016, 121, 1097-1113.	1.4	32
351	Interferometric SAR Multitemporal Processing: Techniques and Applications. Remote Sensing and Digital Image Processing, 2016, , 145-176.	0.7	23
352	Time series insar techniques to estimate deformation in a landslide-prone area in Haridwar region, India. , 2016, , .		2
353	4D change detection based on persistent scatterer interferometry., 2016,,.		1
354	Robust and efficient insar deformation time series processing. , 2016, , .		1
355	Railways' stability observed in Campania (Italy) by InSAR data. European Journal of Remote Sensing, 2016, 49, 417-431.	1.7	16
356	A Minimum Acceleration Approach for the Retrieval of Multiplatform InSAR Deformation Time Series. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 3883-3898.	2.3	52
357	Transient deformation induced by groundwater change in Taipei metropolitan area revealed by high resolution X-band SAR interferometry. Tectonophysics, 2016, 692, 265-277.	0.9	8
358	Reconstructing the Vertical Component of Ground Deformation from Ascending ALOS and Descending ENVISAT Datasets—A Case Study in the Cangzhou Area of China. Canadian Journal of Remote Sensing, 2016, 42, 147-160.	1.1	7
359	Interferometric phase reconstruction using simplified coherence network. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 119, 1-9.	4.9	15
360	Comparison of Multi-Temporal Differential Interferometry Techniques Applied to the Measurement of Bucharest City Subsidence. Procedia Environmental Sciences, 2016, 32, 221-229.	1.3	22
361	MLP Neural Network Classifier for Medical Image Segmentation. , 2016, , .		4
362	Monitoring and Analysis of Land Subsidence Along Beijing-Tianjin Inter-City Railway. Journal of the Indian Society of Remote Sensing, 2016, 44, 915-931.	1.2	23

#	ARTICLE	IF	CITATIONS
363	Landslide Monitoring Using Hybrid Conventional and Persistent Scatterer Interferometry. Journal of the Indian Society of Remote Sensing, 2016, 44, 505-513.	1.2	3
364	Airborne and Spaceborne Remote Sensing Characterization for Aquistore Carbon Capture and Storage Site. Canadian Journal of Remote Sensing, 2016, 42, 274-290.	1.1	11
365	Monitoring the slope movement of the Shuping landslide in the Three Gorges Reservoir of China, using X-band time series SAR interferometry. Advances in Space Research, 2016, 57, 2487-2495.	1.2	20
366	Heterogenous Spatial Data: Fusion, Modeling, and Analysis for GIS Applications. Synthesis Lectures on Visual Computing, 2016, 8, 1-155.	0.7	3
367	Application of Multi-Temporal Interferometric Synthetic Aperture Radar (MT-InSAR) technique to Land Deformation Monitoring in Warri Metropolis, Delta State, Nigeria. Procedia Computer Science, 2016, 100, 1220-1227.	1.2	4
368	Monitoring of Sea Dike Structures by the Means of Combined StaMPS Multi-temporal InSAR Approach. Procedia Computer Science, 2016, 100, 1147-1154.	1.2	1
369	Multi-Temporal InSAR Processing Comparison in Presence of High Topography. Procedia Computer Science, 2016, 100, 1181-1190.	1.2	10
370	Characterisation of hydraulic head changes and aquifer properties in the London Basin using Persistent Scatterer Interferometry ground motion data. Journal of Hydrology, 2016, 540, 835-849.	2.3	41
371	Single-Look SAR Tomography as an Add-On to PSI for Improved Deformation Analysis in Urban Areas. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6119-6137.	2.7	32
372	Multi-sensor InSAR Analysis of Surface Displacement over Coastal Urban City of Trondheim. Procedia Computer Science, 2016, 100, 1141-1146.	1.2	3
373	Monitoring land motion due to natural gas extraction: Validation of the Intermittent SBAS (ISBAS) DInSAR algorithm over gas fields of North Holland, the Netherlands. Marine and Petroleum Geology, 2016, 77, 1338-1354.	1.5	32
374	Episodic ground deformation signals in Thessaly Plain (Greece) revealed by data mining of SAR interferometry time series. International Journal of Remote Sensing, 2016, 37, 3696-3711.	1.3	21
375	Physical applications of GPS geodesy: a review. Reports on Progress in Physics, 2016, 79, 106801.	8.1	161
376	Uncovering deformation processes from surface displacements. Journal of Geodynamics, 2016, 102, 58-82.	0.7	13
377	Simultaneous estimation of building height and ground deformation over Xi'an City, China using multi-temporal InSAR method. , 2016, , .		1
378	SAR interferometry analysis of very large areas: Results over the entire Italian territory. , 2016, , .		2
379	Spatial-temporal deformation characteristics in the urban area of Beijing using high resolution X-band images. , $2016, \ldots$		0
380	Subsidence mapping at regional scale using persistent scatters interferometry (PSI): The case of Tuscany region (Italy). International Journal of Applied Earth Observation and Geoinformation, 2016, 52, 328-337.	1.4	44

#	Article	IF	CITATIONS
381	Landslide mapping and monitoring by using radar and optical remote sensing: Examples from the EC-FP7 project SAFER. Remote Sensing Applications: Society and Environment, 2016, 4, 92-108.	0.8	95
382	Deformation Monitoring Using Persistent Scatterer Interferometry and Sentinel-1 SAR Data. Procedia Computer Science, 2016, 100, 1121-1126.	1.2	13
383	Ground subsidece monitoring along the levee of Huangpu River by multi-platform high-resolution SAR images. , $2016, \ldots$		0
384	Observation of ground deformation in the Osaka and Kanto plains with ALOS-2/PALSAR-2. , 2016, , .		2
385	Bistatic forward-looking SAR interferometry. , 2016, , .		1
386	Monitoring of surface movement in a large area of the open pit iron mines (Caraj $ ilde{A}_i$ s, Brazil) based on A-DInSAR techniques using TerraSAR-X data. , 2016, , .		0
387	Land subsidence under different land use in the eastern Beijing plain, China 2005-2013 revealed by InSAR timeseries analysis. GIScience and Remote Sensing, 2016, 53, 671-688.	2.4	28
388	Silicic magma reservoirs in the Earth's crust. American Mineralogist, 2016, 101, 2377-2404.	0.9	292
389	An overview to remotely sensed displacement measurements fusion: Current status and challenges. , 2016, , .		0
390	Ground deformation investigation over Taiyuan Basin (China) by InSAR technology. , 2016, , .		1
391	Advanced interpretation of interferometric SAR data to detect, monitor and model ground subsidence: outcomes from the ESA-GMES Terrafirma project. Natural Hazards, 2016, 83, 155-181.	1.6	24
392	Use of a GPS-Derived Troposphere Model to Improve InSAR Deformation Estimates in the San Gabriel Valley, California. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5365-5374.	2.7	16
393	Pixel-based interferometric pair selection in InSAR time-series analysis with baseline criteria. Remote Sensing Letters, 2016, 7, 711-720.	0.6	3
394	Synergic use of satellite and ground based remote sensing methods for monitoring the San Leo rock cliff (Northern Italy). Geomorphology, 2016, 264, 80-94.	1.1	53
395	Fusion of Remotely Sensed Displacement Measurements: Current status and challenges. IEEE Geoscience and Remote Sensing Magazine, 2016, 4, 6-25.	4.9	7
396	A-Differential Synthetic Aperture Radar Interferometry analysis of a Deep Seated Gravitational Slope Deformation occurring at Bisaccia (Italy). Science of the Total Environment, 2016, 550, 556-573.	3.9	40
397	Landslide stability evaluation using high-resolution satellite SAR data in the Three Gorges area. Quarterly Journal of Engineering Geology and Hydrogeology, 2016, 49, 203-211.	0.8	15
398	Monitoring reclaimed lands subsidence in Hong Kong with InSAR technique by persistent and distributed scatterers. Natural Hazards, 2016, 82, 531-543.	1.6	12

#	Article	IF	CITATIONS
399	Study on spatial variation of land subsidence over Minagish–Umm Gudair oil fields of Kuwait using synthetic aperture radar interferometry technique. Journal of Applied Remote Sensing, 2016, 10, 016026.	0.6	3
400	Confined aquifer head measurements and storage properties in the San Luis Valley, Colorado, from spaceborne InSAR observations. Water Resources Research, 2016, 52, 3623-3636.	1.7	57
401	Comparing the results of PSInSAR and GNSS on slow motion landslides, Koyulhisar, Turkey. Geomatics, Natural Hazards and Risk, 2016, 7, 786-803.	2.0	16
402	Cloud Computing for Earth Surface Deformation Analysis via Spaceborne Radar Imaging: A Case Study. IEEE Transactions on Cloud Computing, 2016, 4, 104-118.	3.1	38
403	Land subsidence in major cities of Central Mexico: Interpreting InSAR-derived land subsidence mapping with hydrogeological data. International Journal of Applied Earth Observation and Geoinformation, 2016, 47, 102-111.	1.4	112
404	Multi-temporal InSAR evidence of ground subsidence induced by groundwater withdrawal: the Montellano aquifer (SW Spain). Environmental Earth Sciences, 2016, 75, 1.	1.3	15
405	Spatial analysis of surface deformation distribution detected by persistent scatterer interferometry in Lanzhou Region, China. Environmental Earth Sciences, 2016, 75, 1.	1.3	13
406	A study on measuring surface deformation of the L'Aquila region using the StaMPS technique. International Journal of Remote Sensing, 2016, 37, 819-830.	1.3	18
407	Allan Variance Computed in Space Domain: Definition and Application to InSAR Data to Characterize NoiseÂandÂGeophysical Signal. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 590-610.	1.7	0
408	Advanced InSAR techniques for deformation studies and for simulating the PS-assisted calibration procedure of Sentinel-1 data: case study from Thessaloniki (Greece), based on the Envisat/ASAR archive. International Journal of Remote Sensing, 2016, 37, 729-744.	1.3	14
409	Detection of geohazards in the Bailong River Basin using synthetic aperture radar interferometry. Landslides, 2016, 13, 1273-1284.	2.7	64
410	Ground Deformation in the Kyoto and Osaka Area During Recent 19 Years Detected with InSAR. International Association of Geodesy Symposia, 2016, , 155-164.	0.2	7
411	Persistent Scatterer Interferometry: A review. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 115, 78-89.	4.9	663
412	A Probabilistic Approach for InSAR Time-Series Postprocessing. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 421-430.	2.7	72
413	InSAR monitoring using RADARSAT-2 data at Piton de la Fournaise (La Reunion) and Karthala (Grande) Tj ETQq0 (	) OrgBT /0	)verlock 10 T
414	Tectonic evolution of the La González pull-apart basin in the Mérida Andes: combination of geological data and satellite radar interferometry (InSAR). International Journal of Earth Sciences, 2016, 105, 1603-1620.	0.9	1
415	Time series analysis of InSAR data: Methods and trends. ISPRS Journal of Photogrammetry and Remote Sensing, 2016, 115, 90-102.	4.9	276
416	Heterogeneous surface displacement pattern at the Hatchobaru geothermal field inferred from SAR interferometry time-series. International Journal of Applied Earth Observation and Geoinformation, 2016, 44, 95-103.	1.4	12

#	Article	IF	CITATIONS
417	Review on InSAR based displacement monitoring of Indian Himalayas: issues, challenges and possible advanced alternatives. Geocarto International, 2017, 32, 298-321.	1.7	26
418	Spatial-Correlation Based Persistent Scatterer Interferometric Study for Ground Deformation. Journal of the Indian Society of Remote Sensing, 2017, 45, 913-926.	1.2	8
419	Quantifying groundwater exploitation induced subsidence in the Rafsanjan plain, southeastern Iran, using InSAR time-series and in situ measurements. Engineering Geology, 2017, 218, 134-151.	2.9	178
420	Largeâ€scale InSAR monitoring of permafrost freezeâ€thaw cycles on the Tibetan Plateau. Geophysical Research Letters, 2017, 44, 901-909.	1.5	113
421	Repeated magmatic intrusions at El Hierro Island following the 2011–2012 submarine eruption. Journal of Volcanology and Geothermal Research, 2017, 344, 79-91.	0.8	20
422	InSAR time-series monitoring of ground displacement trends in an industrial area (Oreokastro—Thessaloniki, Greece): detection of natural surface rebound and new tectonic insights. Environmental Earth Sciences, 2017, 76, 1.	1.3	10
423	Optimal estimation of interferometric phase for measuring surface deformation. International Journal of Remote Sensing, 2017, 38, 1339-1349.	1.3	7
424	Postâ€emplacement cooling and contraction of lava flows: InSAR observations and a thermal model for lava fields at Hekla volcano, Iceland. Journal of Geophysical Research: Solid Earth, 2017, 122, 946-965.	1.4	28
425	Radar interferometry offers new insights into threats to the Angkor site. Science Advances, 2017, 3, e1601284.	4.7	61
426	Monitoring Land Subsidence in a Rural Area Using a Combination of ADInSAR and Polarimetric Coherence Optimization. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 3582-3590.	2.3	7
427	Using advanced InSAR techniques to monitor landslide deformations induced by tunneling in the Northern Apennines, Italy. Engineering Geology, 2017, 226, 20-32.	2.9	86
428	Characterizing post-construction settlement of the Masjed-Soleyman embankment dam, Southwest Iran, using TerraSAR-X SpotLight radar imagery. Engineering Structures, 2017, 143, 261-273.	2.6	37
429	Spatiotemporal evolution of land subsidence around a subway using InSAR time-series and the entropy method. GIScience and Remote Sensing, 2017, 54, 78-94.	2.4	37
430	An Extension of the InSAR-Based Probability Integral Method and Its Application for Predicting 3-D Mining-Induced Displacements Under Different Extraction Conditions. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3835-3845.	2.7	38
431	Separating volcanic deformation and atmospheric signals at Mount St. Helens using Persistent Scatterer InSAR. Journal of Volcanology and Geothermal Research, 2017, 344, 52-64.	0.8	10
432	Temporal changes in rock uplift rates of folds in the foreland of the Tian Shan and the Pamir from geodetic and geologic data. Geophysical Research Letters, 2017, 44, 10,977.	1.5	25
433	Factors determining subsidence in urbanized floodplains: evidence from MTâ€InSAR in Seville (southern) Tj ETQq	0 0 0 rgBT	/Qverlock 10
434	Types and characteristics of slow-moving slope geo-hazards recognized by TS-InSAR along Xianshuihe active fault in the eastern Tibet Plateau. Natural Hazards, 2017, 88, 1727-1740.	1.6	23

#	Article	IF	Citations
435	Spaceborne, UAV and ground-based remote sensing techniques for landslide mapping, monitoring and early warning. Geoenvironmental Disasters, 2017, 4, .	1.8	204
436	Testing the inference of creep on the northern Rodgers Creek fault, California, using ascending and descending persistent scatterer InSAR data. Journal of Geophysical Research: Solid Earth, 2017, 122, 2373-2389.	1.4	17
437	Exploitation of the Intermittent SBAS (ISBAS) algorithm with COSMO-SkyMed data for landslide inventory mapping in north-western Sicily, Italy. Geomorphology, 2017, 280, 153-166.	1.1	45
438	The Aftershock Sequence of the 2008 Achaia, Greece, Earthquake: Joint Analysis of Seismicity Relocation and Persistent Scatterers Interferometry. Pure and Applied Geophysics, 2017, 174, 151-176.	0.8	17
439	Monitoring Ground Subsidence Along the Shanghai Maglev Zone Using TerraSAR-X Images. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 117-121.	1.4	23
440	Monitoring structure health of urban bridges with advanced multi-temporal InSAR analysis. Annals of GIS, 2017, 23, 293-302.	1.4	17
441	Satellite SAR interferometric techniques in support to emergency mapping. European Journal of Remote Sensing, 2017, 50, 464-477.	1.7	16
442	Application of Dual-Polarimetry SAR Images in Multitemporal InSAR Processing. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1489-1493.	1.4	15
443	Monitoring of ground movement in open pit iron mines of Caraj $\tilde{A}_i$ s Province (Amazon region) based on A-DInSAR techniques using TerraSAR-X data. Journal of Applied Remote Sensing, 2017, 11, 026027.	0.6	4
444	Analysis of surface deformations over the whole Italian territory by interferometric processing of ERS, Envisat and COSMO-SkyMed radar data. Remote Sensing of Environment, 2017, 202, 250-275.	4.6	130
445	ALOS-2 PALSAR-2 scansar interferometry for ground deformation monitoring in Beijing-Tianjin area, Northern China., 2017, , .		0
446	User-Friendly InSAR Data Products: Fast and Simple Timeseries Processing. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 2122-2126.	1.4	23
447	Structural Health and Stability Assessment of High-Speed Railways via Thermal Dilation Mapping With Time-Series InSAR Analysis. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2999-3010.	2.3	51
448	The monitoring and analysis of the coastal lowland subsidence in the southern Hangzhou Bay with an advanced time-series InSAR method. Acta Oceanologica Sinica, 2017, 36, 110-118.	0.4	10
449	Volcanic deformation of Atosanupuri volcanic complex in the Kussharo caldera, Japan, from 1993 to 2016 revealed by JERS-1, ALOS, and ALOS-2 radar interferometry. Earth, Planets and Space, 2017, 69, .	0.9	18
450	Post-failure evolution analysis of a rainfall-triggered landslide by multi-temporal interferometry SAR approaches integrated with geotechnical analysis. Remote Sensing of Environment, 2017, 188, 51-72.	4.6	79
451	Monitoring land subsidence in the southern part of the lower Liaohe plain, China with a multi-track PS-InSAR technique. Remote Sensing of Environment, 2017, 188, 73-84.	4.6	69
453	Investigating Long-Term Subsidence at Medicine Lake Volcano, CA, Using Multi Temporal InSAR. Springer Theses, 2017, , 25-58.	0.0	О

#	Article	IF	Citations
454	Persistent Scatterer Selection Incorporating Polarimetric SAR Interferograms Based on Maximum Likelihood Theory. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 38-50.	2.7	11
455	On the Accuracy of Topographic Residuals Retrieved by MTInSAR. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 1053-1065.	2.7	31
456	Geometric features of LOS data derived by SAR PSI technologies and the three-dimensional data fusion. Acta Geodaetica Et Geophysica, 2017, 52, 421-436.	0.7	4
457	Graph theory for analyzing pair-wise data: application to geophysical model parameters estimated from interferometric synthetic aperture radar data at Okmok volcano, Alaska. Journal of Geodesy, 2017, 91, 9-24.	1.6	15
458	Seasonal deformation features on Qinghai-Tibet railway observed using time-series InSAR technique with high-resolution TerraSAR-X images. Remote Sensing Letters, 2017, 8, 1-10.	0.6	51
459	Automated medical image segmentation using RBF ANN., 2017,,.		1
460	Landslide prediction, monitoring and early warning: a concise review of state-of-the-art. Geosciences Journal, 2017, 21, 1033-1070.	0.6	245
461	The Temporal and Spatial Variability of the Confined Aquifer Head and Storage Properties in the San Luis Valley, Colorado Inferred From Multiple InSAR Missions. Water Resources Research, 2017, 53, 9708-9720.	1.7	29
462	Persistent scatterer clustering for structure displacement analysis based on phase correlation network., 2017,,.		4
463	Microwave remote sensing based small baseline subset technique for estimation of slope movement in nainital area, India. , 2017, , .		0
464	The analysis of reliable ARC solution in the multi-temporal InSAR., 2017,,.		0
465	Land deformation monitoring using PS-InSAR technique over Sahel-Doukkala (Morocco). , 2017, , .		1
466	A Recognition and Geological Model of a Deep-Seated Ancient Landslide at a Reservoir under Construction. Remote Sensing, 2017, 9, 383.	1.8	11
467	Decomposing DInSAR Time-Series into 3-D in Combination with GPS in the Case of Low Strain Rates: An Application to the Hyblean Plateau, Sicily, Italy. Remote Sensing, 2017, 9, 33.	1.8	22
468	Deriving Dynamic Subsidence of Coal Mining Areas Using InSAR and Logistic Model. Remote Sensing, 2017, 9, 125.	1.8	92
469	Investigation of Potential Volcanic Risk from Mt. Baekdu by DInSAR Time Series Analysis and Atmospheric Correction. Remote Sensing, 2017, 9, 138.	1.8	16
470	Basin Scale Assessment of Landslides Geomorphological Setting by Advanced InSAR Analysis. Remote Sensing, 2017, 9, 267.	1.8	42
471	InSAR Time-Series Analysis of Land Subsidence under Different Land Use Types in the Eastern Beijing Plain, China. Remote Sensing, 2017, 9, 380.	1.8	49

#	Article	IF	CITATIONS
472	On the Design of Radar Corner Reflectors for Deformation Monitoring in Multi-Frequency InSAR. Remote Sensing, 2017, 9, 648.	1.8	50
473	Monitoring of Subsidence along Jingjin Inter-City Railway with High-Resolution TerraSAR-X MT-InSAR Analysis. Remote Sensing, 2017, 9, 717.	1.8	25
474	Minimizing the Residual Topography Effect on Interferograms to Improve DInSAR Results: Estimating Land Subsidence in Port-Said City, Egypt. Remote Sensing, 2017, 9, 752.	1.8	25
475	A GIS-Based Procedure for Landslide Intensity Evaluation and Specific risk Analysis Supported by Persistent Scatterers Interferometry (PSI). Remote Sensing, 2017, 9, 1093.	1.8	22
476	Health Diagnosis of Major Transportation Infrastructures in Shanghai Metropolis Using High-Resolution Persistent Scatterer Interferometry. Sensors, 2017, 17, 2770.	2.1	20
477	Monitoring of Land-Surface Deformation in the Karamay Oilfield, Xinjiang, China, Using SAR Interferometry. Applied Sciences (Switzerland), 2017, 7, 772.	1.3	22
478	Ground Stability Monitoring of Undermined and Landslide Prone Areas by Means of Sentinel-1 Multi-Temporal InSAR, Case Study from Slovakia. Geosciences (Switzerland), 2017, 7, 87.	1.0	25
479	A Study of Ground Movements in Brussels (Belgium) Monitored by Persistent Scatterer Interferometry over a 25-Year Period. Geosciences (Switzerland), 2017, 7, 115.	1.0	8
480	Estimating three dimensional positions of persistent scatterers and developing a PS-InSAR analysis system. , 2017, , .		1
481	A Review of Interferometric Synthetic Aperture RADAR (InSAR) Multi-Track Approaches for the Retrieval of Earth's Surface Displacements. Applied Sciences (Switzerland), 2017, 7, 1264.	1.3	199
482	Improvement of the multi-temporal InSAR method using reliable arc solutions. International Journal of Remote Sensing, 2018, 39, 3363-3385.	1.3	10
483	The Contribution of Space-Geodetic Techniques to the Understanding of the Present-Day Geodynamics of the Azores Triple Junction. Active Volcanoes of the World, 2018, , 57-69.	1.0	4
484	Deformation responses of slow moving landslides to seasonal rainfall in the Northern Apennines, measured by InSAR. Geomorphology, 2018, 308, 293-306.	1.1	67
485	Detection and displacement characterization of landslides using multi-temporal satellite SAR interferometry: A case study of Danba County in the Dadu River Basin. Engineering Geology, 2018, 240, 95-109.	2.9	81
486	A New InSAR Persistent Scatterer Selection Technique Using Top Eigenvalue of Coherence Matrix. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1969-1978.	2.7	11
487	Using satellite radar amplitude imaging for monitoring syn-eruptive changes in surface morphology at an ice-capped stratovolcano. Remote Sensing of Environment, 2018, 209, 480-488.	4.6	26
488	Multi-Look in GLRT-Based Detection of Single and Double Persistent Scatterers. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 5125-5137.	2.7	24
489	Assessing Land Deformation and Sea Encroachment in the Nile Delta: A Radar Interferometric and Inundation Modeling Approach. Journal of Geophysical Research: Solid Earth, 2018, 123, 3208-3224.	1.4	58

#	Article	IF	CITATIONS
490	Application of synthetic aperture radars for the ground displacement monitoring in mineral mining areas. IOP Conference Series: Earth and Environmental Science, 2018, 134, 012013.	0.2	0
491	Activity and kinematic behaviour of deep-seated landslides from PS-InSAR displacement rate measurements. Landslides, 2018, 15, 1053-1070.	2.7	80
492	Deformation patterns, magma supply, and magma storage at Karymsky Volcanic Center, Kamchatka, Russia, 2000–2010, revealed by InSAR. Journal of Volcanology and Geothermal Research, 2018, 352, 106-116.	0.8	11
493	Hybrid Stripmap–ScanSAR Interferometry: Extension to the X-Band COSMO-SkyMed Data. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 330-334.	1.4	3
494	Multi-sensor DInSAR applied to the spatiotemporal evolution analysis of ground surface deformation in Cerro Prieto basin, Baja California, Mexico, for the 1993–2014 period. Natural Hazards, 2018, 92, 225-255.	1.6	11
495	Use of Geophysical and Remote Sensing Data for Assessment of Aquifer Depletion and Related Land Deformation. Surveys in Geophysics, 2018, 39, 543-566.	2.1	47
496	Bistatic InSAR. , 2018, , 235-275.		1
497	A methodology for ground motion area detection (GMA-D) using A-DInSAR time series in landslide investigations. Catena, 2018, 163, 89-110.	2.2	20
498	Deformation at longyao ground fissure and its surroundings, north China plain, revealed by ALOS PALSAR PS-InSAR. International Journal of Applied Earth Observation and Geoinformation, 2018, 67, 1-9.	1.4	25
499	Investigation on mining subsidence over Appin–West Cliff Colliery using time-series SAR interferometry. International Journal of Remote Sensing, 2018, 39, 1528-1547.	1.3	22
500	TXT-tool 2.039-3.1: Satellite Remote Sensing Techniques for Landslides Detection and Mapping. , 2018, , 235-254.		2
501	SAR interferometry monitoring of subsidence in a detritic basin related to water depletion in the underlying confined carbonate aquifer (Torremolinos, southern Spain). Science of the Total Environment, 2018, 636, 670-687.	3.9	13
502	An Improved Phase Filter for Differential SAR Interferometry Based on an Iterative Method. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4477-4491.	2.7	15
503	Quantification of selective logging in tropical forest with spaceborne SAR interferometry. Remote Sensing of Environment, 2018, 211, 167-183.	4.6	24
504	Atmospheric Effect Correction for InSAR With Wavelet Decomposition-Based Correlation Analysis Between Multipolarization Interferograms. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 5614-5625.	2.7	10
505	Land Subsidence in Taiyuan, China, Monitored by InSAR Technique With Multisensor SAR Datasets From 1992 to 2015. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1509-1519.	2.3	23
506	Application of Persistent Scatterer Interferometry (PSI) in monitoring slope movements in Nainital, Uttarakhand Lesser Himalaya, India. Journal of Earth System Science, 2018, 127, 1.	0.6	6
507	Vector-based approach for combining ascending and descending persistent scatterers interferometric point measurements. Geocarto International, 2018, 33, 38-52.	1.7	15

#	Article	IF	Citations
508	Investigation of the success of monitoring slow motion landslides using Persistent Scatterer Interferometry and GNSS methods. Survey Review, 2018, 50, 475-486.	0.7	11
509	Accelerating Persistent Scatterer Pixel Selection for InSAR Processing. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 16-30.	4.0	7
510	Mapping land subsidence over the eastern Beijing city using satellite radar interferometry. International Journal of Digital Earth, 2018, 11, 504-519.	1.6	31
511	Interferometric synthetic aperture radar atmospheric correction using a GPS-based iterative tropospheric decomposition model. Remote Sensing of Environment, 2018, 204, 109-121.	4.6	237
512	Complex surface deformation of Akutan volcano, Alaska revealed from InSAR time series. International Journal of Applied Earth Observation and Geoinformation, 2018, 64, 171-180.	1.4	25
513	Stochastic modeling for time series InSAR: with emphasis on atmospheric effects. Journal of Geodesy, 2018, 92, 185-204.	1.6	35
514	Observations and Modeling of Coseismic and Postseismic Deformation Due To the 2015 <i>M<sub>w</sub></i> 7.8 Gorkha (Nepal) Earthquake. Journal of Geophysical Research: Solid Earth, 2018, 123, 761-779.	1.4	92
515	Locating and defining underground goaf caused by coal mining from space-borne SAR interferometry. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 135, 112-126.	4.9	43
516	Mapping landslide surface displacements with time series SAR interferometry by combining persistent and distributed scatterers: A case study of Jiaju landslide in Danba, China. Remote Sensing of Environment, 2018, 205, 180-198.	4.6	127
517	PsInSAR based land subsidence estimation of Burgan oil field using TerraSAR-X data. Remote Sensing Applications: Society and Environment, 2018, 9, 17-25.	0.8	18
518	Deriving time-series three-dimensional displacements of mining areas from a single-geometry InSAR dataset. Journal of Geodesy, 2018, 92, 529-544.	1.6	31
519	Land Subsidence in Chiayi, Taiwan, from Compaction Well, Leveling and ALOS/PALSAR: Aquaculture-Induced Relative Sea Level Rise. Remote Sensing, 2018, 10, 40.	1.8	28
520	Satellite Radar Interferometry: New Technologies for Satellite Monitoring of Mining Areas and Displacements of Natural and Man-Made Objects. Seismic Instruments, 2018, 54, 515-520.	0.0	2
521	Using Persistent Scatterer Interferometry to Map and Quantify Permafrost Thaw Subsidence: A Case Study of Eboling Mountain on the Qinghai†Tibet Plateau. Journal of Geophysical Research F: Earth Surface, 2018, 123, 2663-2676.	1.0	53
522	Study of the Dissimilar Deformation of Huxian, Near the Qinling Piedmont Fault (China), by Multiband InSAR Time-Series Technology. Canadian Journal of Remote Sensing, 2018, 44, 616-628.	1.1	1
523	Integration of SAR Data Into Monitoring of the 2014–2015 Holuhraun Eruption, Iceland: Contribution of the Icelandic Volcanoes Supersite and the FutureVolc Projects. Frontiers in Earth Science, 2018, 6, .	0.8	21
524	Ground Deformations in the Corinth Rift, Greece, Investigated Through the Means of SAR Multitemporal Interferometry. Geochemistry, Geophysics, Geosystems, 2018, 19, 4836-4857.	1.0	13
525	Generation of Earth's Surface Three-Dimensional (3-D) Displacement Time-Series by Multiple-Platform SAR Data. , 0, , .		1

#	Article	IF	CITATIONS
526	Deformation monitoring of dam infrastructures via spaceborne MT-InSAR. The case of La Viñuela (Málaga, southern Spain). Procedia Computer Science, 2018, 138, 346-353.	1.2	24
527	Monitoring continuous subsidence in the Costa del Sol ( $M\tilde{A}_i$ laga province, southern Spanish coast) using ERS-1/2, Envisat, and Sentinel-1A/B SAR interferometry. Procedia Computer Science, 2018, 138, 354-361.	1.2	7
528	Sentinel-1 InSAR data applied to surface deformation in Macaronesia (Canaries and Cape Verde). Procedia Computer Science, 2018, 138, 382-387.	1.2	7
529	Vertical land motion quantification using space-based geodetic methods: a review. IOP Conference Series: Earth and Environmental Science, 0, 169, 012024.	0.2	2
530	Slope Stability Analysis in Nainital Town Using PS and QPS Insar Technique. , 2018, , .		3
531	Capturing the Deformation Characteristics of Cable-stayed Bridges with Multi-temporal SAR Interferometry. , $2018,  ,  .$		0
532	Multi-Temporal Loess Landslide Inventory Mapping with C-, X- and L-Band SAR Datasets—A Case Study of Heifangtai Loess Landslides, China. Remote Sensing, 2018, 10, 1756.	1.8	62
533	Multi-Temporal Insar Monitoring of the Aswan High Dam (Egypt). , 2018, , .		0
534	Ground Stability Analysis of Constanta City, Romania Through Psi with Atmospheric Phase Screen Removal Using Era-Interim Data. , $2018,  \ldots$		0
535	Optimal selection and application analysis of multi-temporal differential interferogram series in StaMPS-based SBAS InSAR. European Journal of Remote Sensing, 2018, 51, 1070-1086.	1.7	6
536	Wetland Water Level Monitoring Using Interferometric Synthetic Aperture Radar (InSAR): A Review. Canadian Journal of Remote Sensing, 2018, 44, 247-262.	1.1	43
537	Deformation of Bhuj Earthquake Area Obtained with Persistent Scatterer Interferometric Analysis of Alos L-Band Sar Data. , 2018, , .		3
538	Three Dimensional Disaster Monitoring of the Pohang Earthquake in the Republic of Korea by Sentinel-L. , 2018, , .		0
539	Cluster Based Method to Identify Persistent Scatterers for Nonlinear Displacement Analysis of Structures., 2018,,.		0
540	Persistent Scatterer Statistics and Their Detection., 2018,,.		0
541	Spatial Correlation Based Psinsar Technique to Estimate Ground Deformation in las Vegas Region, Us. , 2018, , .		1
542	Esa Snap - Stamps Integrated Processing for Sentinel-1 Persistent Scatterer Interferometry. , 2018, , .		52
543	Railways' Stability Observation by Satellite Radar Images. , 2018, , .		0

#	Article	IF	CITATIONS
544	The Role of Earth Observation, with a Focus on SAR Interferometry, for Sinkhole Hazard Assessment. Remote Sensing, 2018, 10, 1506.	1.8	22
545	Surface Deformation Monitoring in Zhengzhou City from 2014 to 2016 Using Time-Series InSAR. Remote Sensing, 2018, 10, 1731.	1.8	19
546	Iterative Filtering Based on Adaptive Chebyshev Kernel Functions for Noise Suppression in Differential SAR Interferograms. , $2018, $ , .		0
547	Mapping of slow landslides on the Palos Verdes Peninsula using the California landslide inventory and persistent scatterer interferometry. Landslides, 2018, 15, 439-452.	2.7	26
548	Integrated Petrological and Geophysical Constraints on Magma System Architecture in the Western GalA¡pagos Archipelago: Insights From Wolf Volcano. Geochemistry, Geophysics, Geosystems, 2018, 19, 4722-4743.	1.0	31
549	A Novel Method of Generating Deformation Time-Series Using Interferometric Synthetic Aperture Radar and Its Application in Mexico City. Remote Sensing, 2018, 10, 1741.	1.8	10
550	Time- and Space-Varying Atmospheric Phase Correction in Discontinuous Ground-Based Synthetic Aperture Radar Deformation Monitoring. Sensors, 2018, 18, 3883.	2.1	15
551	Combining InSAR and Hydraulic Head Measurements to Estimate Aquifer Parameters and Storage Variations of Confined Aquifer System in Cangzhou, North China Plain. Water Resources Research, 2018, 54, 8234-8252.	1.7	53
552	Radar Path Delay Effects in Volcanic Gas Plumes: The Case of Láscar Volcano, Northern Chile. Remote Sensing, 2018, 10, 1514.	1.8	12
553	Advanced MT-InSAR Landslide Monitoring: Methods and Trends. Journal of Remote Sensing & GIS, 2018, 07, .	0.3	8
554	Generic Atmospheric Correction Model for Interferometric Synthetic Aperture Radar Observations. Journal of Geophysical Research: Solid Earth, 2018, 123, 9202-9222.	1.4	326
555	Augmented Virtuality for Coastal Management: A Holistic Use of In Situ and Remote Sensing for Large Scale Definition of Coastal Dynamics. ISPRS International Journal of Geo-Information, 2018, 7, 92.	1.4	14
556	Generation of Persistent Scatterers in Non-Urban Areas: The Role of Microwave Scattering Parameters. Geosciences (Switzerland), 2018, 8, 269.	1.0	4
557	Introductory Chapter: Volcanoes - From Their Geological and Geophysical Setting to Their Impact on Human Health. , 2018, , .		0
558	Short-lived pause in Central California subsidence after heavy winter precipitation of 2017. Science Advances, 2018, 4, eaar8144.	4.7	37
559	Estimation of land subsidence in deltaic areas through differential SAR interferometry: the Po River Delta case study (Northeast Italy). International Journal of Remote Sensing, 2018, 39, 8724-8745.	1.3	29
560	Coherent Change Detection for Multipass SAR. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6811-6822.	2.7	30
561	A New Polarimetric Persistent Scatterer Interferometry Method Using Temporal Coherence Optimization. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6547-6555.	2.7	20

#	ARTICLE	IF	CITATIONS
562	Assessment of Land Surface Subsidence Due to Underground Metal Mining Using Integrated Spaceborne Repeat-Pass Differential Interferometric Synthetic Aperture Radar (DInSAR) Technique and Ground Based Observations. Journal of the Indian Society of Remote Sensing, 2018, 46, 1569-1580.	1.2	5
563	Resolving Surface Displacements in Shenzhen of China from Time Series InSAR. Remote Sensing, 2018, 10, 1162.	1.8	26
564	Remote monitoring to predict bridge scour failure using Interferometric Synthetic Aperture Radar (InSAR) stacking techniques. International Journal of Applied Earth Observation and Geoinformation, 2018, 73, 463-470.	1.4	63
565	Landslide Identification and Monitoring along the Jinsha River Catchment (Wudongde Reservoir Area), China, Using the InSAR Method. Remote Sensing, 2018, 10, 993.	1.8	102
566	A NE-Trending Oblique-Slip Fault Responsible for the 2016 Zaduo Earthquake (Qinghai, China) Revealed by InSAR Data. Pure and Applied Geophysics, 2018, 175, 4275-4288.	0.8	13
567	Subsidence Trends of Volturno River Coastal Plain (Northern Campania, Southern Italy) Inferred by SAR Interferometry Data. Geosciences (Switzerland), 2018, 8, 8.	1.0	33
568	Persistent Scatterer Analysis Using Dual-Polarization Sentinel-1 Data: Contribution From VH Channel. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3105-3112.	2.3	21
569	Mapping surface deformation and thermal dilation of arch bridges by structure-driven multi-temporal DInSAR analysis. Remote Sensing of Environment, 2018, 216, 71-90.	4.6	41
570	Analysis of Permafrost Region Coherence Variation in the Qinghai–Tibet Plateau with a High-Resolution TerraSAR-X Image. Remote Sensing, 2018, 10, 298.	1.8	36
571	Landslide Monitoring Using Multi-Temporal SAR Interferometry with Advanced Persistent Scatterers Identification Methods and Super High-Spatial Resolution TerraSAR-X Images. Remote Sensing, 2018, 10, 921.	1.8	26
572	Multi-Scale Analysis of the Relationship between Land Subsidence and Buildings: A Case Study in an Eastern Beijing Urban Area Using the PS-InSAR Technique. Remote Sensing, 2018, 10, 1006.	1.8	53
573	SAR Tomography as an Add-On to PSI: Detection of Coherent Scatterers in the Presence of Phase Instabilities. Remote Sensing, 2018, 10, 1014.	1.8	3
574	Performance Analysis of Satellite Missions for Multi-Temporal SAR Interferometry. Sensors, 2018, 18, 1359.	2.1	29
575	InSAR Deformation Analysis with Distributed Scatterers: A Review Complemented by New Advances. Remote Sensing, 2018, 10, 744.	1.8	60
576	Ground subsidence monitoring with SAR interferometry techniques in the rural area of Al Wagan, UAE. Remote Sensing of Environment, 2018, 216, 276-288.	4.6	32
577	Assessment of the Accuracy Among the Common Persistent Scatterer and Distributed Scatterer Based on SqueeSAR Method. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1877-1881.	1.4	5
578	Efficient Ground Surface Displacement Monitoring Using Sentinel-1 Data: Integrating Distributed Scatterers (DS) Identified Using Two-Sample t-Test with Persistent Scatterers (PS). Remote Sensing, 2018, 10, 794.	1.8	28
579	Identification of subsiding areas undergoing significant magmatic carbon dioxide degassing, along the northern shore of Lake Kivu, East African Rift. Journal of Volcanology and Geothermal Research, 2018, 363, 40-49.	0.8	5

#	Article	IF	CITATIONS
580	Subsidence Evolution of the Firenze–Prato–Pistoia Plain (Central Italy) Combining PSI and GNSS Data. Remote Sensing, 2018, 10, 1146.	1.8	51
581	Multi-Sensor InSAR Analysis of Progressive Land Subsidence over the Coastal City of Urayasu, Japan. Remote Sensing, 2018, 10, 1304.	1.8	31
582	The use of InSAR as a tool to assess ground deformation: the cases of $R\tilde{A}_i$ calm $\tilde{A}_i$ s and Dunaszecks $\tilde{A}^3$ , Hungary. Ce/Papers, 2018, 2, 243-248.	0.1	2
583	Evaluation of the Multilook Size in Polarimetric Optimization of Differential SAR Interferograms. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1407-1411.	1.4	2
584	A Phase Unwrapping Approach Based on Extended Kalman Filter for Subsidence Monitoring Using Persistent Scatterer Time Series Interferometry. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2814-2820.	2.3	4
585	Toward Mitigating Stratified Tropospheric Delays in Multitemporal InSAR: A Quadtree Aided Joint Model. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 291-303.	2.7	46
586	Incorporating Temporary Coherent Scatterers in Multi-Temporal InSAR Using Adaptive Temporal Subsets. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7658-7670.	2.7	18
587	Airborne lidar change detection: An overview of Earth sciences applications. Earth-Science Reviews, 2019, 198, 102929.	4.0	77
588	Monitoring the regional deformation of loess landslides on the Heifangtai terrace using the Sentinel-1 time series interferometry technique. Natural Hazards, 2019, 98, 485-505.	1.6	13
589	Nonparametric Estimation of DEM Error in Multitemporal InSAR. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 10004-10014.	2.7	19
590	Explosive Eruptions With Little Warning: Experimental Petrology and Volcano Monitoring Observations From the 2014 Eruption of Kelud, Indonesia. Geochemistry, Geophysics, Geosystems, 2019, 20, 4218-4247.	1.0	24
591	Coherency Matrix Decomposition-Based Polarimetric Persistent Scatterer Interferometry. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7819-7831.	2.7	22
592	Monitoring the Land Subsidence Area in a Coastal Urban Area with InSAR and GNSS. Sensors, 2019, 19, 3181.	2.1	55
593	Tropospheric corrections for InSAR: Statistical assessments and applications to the Central United States and Mexico. Remote Sensing of Environment, 2019, 232, 111326.	4.6	62
594	SMF-POLOPT: An Adaptive Multitemporal Pol(DIn)SAR Filtering and Phase Optimization Algorithm for PSI Applications. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7135-7147.	2.7	18
595	Demonstration of Time-Series InSAR Processing in Beijing Using a Small Stack of Gaofen-3 Differential Interferograms. Journal of Sensors, 2019, 2019, 1-13.	0.6	17
596	A tentative test for measuring the sub-millimeter settlement and uplift of a high-speed railway bridge using COSMO-SkyMed images. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 155, 1-12.	4.9	24
597	Land subsidence (2004–2013) in Changzhou in Central Yangtze River delta revealed by MT-InSAR. Natural Hazards, 2019, 97, 379-394.	1.6	9

#	Article	IF	CITATIONS
598	A-DInSAR Performance for Updating Landslide Inventory in Mountain Areas: An Example from Lombardy Region (Italy). Geosciences (Switzerland), 2019, 9, 364.	1.0	18
599	Detection and 3D Visualization of Deformations for High-Rise Buildings in Shenzhen, China from High-Resolution TerraSAR-X Datasets. Applied Sciences (Switzerland), 2019, 9, 3818.	1.3	8
600	Research on quality improvement method of deformation monitoring data based on InSAR. Journal of Visual Communication and Image Representation, 2019, 64, 102652.	1.7	2
601	Sinking Tide Gauge Revealed by Space-borne InSAR: Implications for Sea Level Acceleration at Pohang, South Korea. Remote Sensing, 2019, 11, 277.	1.8	9
602	A Triangle-Oriented Spatial–Temporal Phase Unwrapping Algorithm Based on Irrotational Constraints for Time-Series InSAR. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 10263-10275.	2.7	8
603	The Application of Convolutional Neural Networks to Detect Slow, Sustained Deformation in InSAR Time Series. Geophysical Research Letters, 2019, 46, 11850-11858.	1.5	44
604	Surface Subsidence Monitoring in Eastern Liaoning Province using Sentinel-1B SAR Interferometry from 2017 to 2019, , .		0
605	A Temporal Phase Coherence Estimation Algorithm and Its Application on DInSAR Pixel Selection. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8350-8361.	2.7	16
606	Landslides detection through optimized hot spot analysis on persistent scatterers and distributed scatterers. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 156, 147-159.	4.9	71
607	An Algorithm for Estimating and Correcting Decorrelation Phase From InSAR Data Using Closure Phase Triplets. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 10390-10397.	2.7	25
608	Classification of slope processes based on multitemporal DInSAR analyses in the Himalaya of NW Bhutan. Remote Sensing of Environment, 2019, 233, 111408.	4.6	33
609	Measuring Ground Subsidence in Ha Noi Through the Radar Interferometry Technique Using TerraSAR-X and Cosmos SkyMed Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3874-3884.	2.3	20
610	The State of Remote Sensing Capabilities of Cascading Hazards Over High Mountain Asia. Frontiers in Earth Science, 2019, 7, .	0.8	51
611	A GeoNode-Based Platform for an Effective Exploitation of Advanced DInSAR Measurements. Remote Sensing, 2019, 11, 2133.	1.8	3
612	Small baseline InSAR time series analysis: Unwrapping error correction and noise reduction. Computers and Geosciences, 2019, 133, 104331.	2.0	217
613	Unrest at Domuyo Volcano, Argentina, Detected by Geophysical and Geodetic Data and Morphometric Analysis. Remote Sensing, 2019, 11, 2175.	1.8	17
614	Resolving Three-Dimensional Surface Motion with InSAR: Constraints from Multi-Geometry Data Fusion. Remote Sensing, 2019, 11, 241.	1.8	137
615	Integrated Assessment of Ground Surface Displacements at the Ketzin Pilot Site for CO2 Storage by Satellite-Based Measurements and Hydromechanical Simulations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 186-199.	2.3	4

#	Article	IF	Citations
616	The Need for a Standardized Methodology for Quantitative Assessment of Natural and Anthropogenic Land Subsidence: The Agosta (Italy) Gas Field Case. Remote Sensing, 2019, 11, 1178.	1.8	9
617	Generation of long-term InSAR ground displacement time-series through a novel multi-sensor data merging technique: The case study of the Shanghai coastal area. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 154, 10-27.	4.9	40
618	Identify and Monitor Growth Faulting Using InSAR over Northern Greater Houston, Texas, USA. Remote Sensing, 2019, 11, 1498.	1.8	20
619	Surface deformation over the buried Nasr Abad salt diapir, Central Iran using interferometric synthetic aperture radar data. International Journal of Remote Sensing, 2019, 40, 8322-8341.	1.3	2
620	Ground Deformation Analysis of Bolvadin (W. Turkey) by Means of Multi-Temporal InSAR Techniques and Sentinel-1 Data. Remote Sensing, 2019, 11, 1069.	1.8	38
621	Time-Series InSAR Monitoring of Permafrost Freeze-Thaw Seasonal Displacement over Qinghai–Tibetan Plateau Using Sentinel-1 Data. Remote Sensing, 2019, 11, 1000.	1.8	45
622	Real-time monitoring rapid ground subsidence using GNSS and Vondrak filter. Acta Geophysica, 2019, 67, 133-140.	1.0	13
623	PS-InSAR Analysis of Sentinel-1 Data for Detecting Ground Motion in Temperate Oceanic Climate Zones: A Case Study in the Republic of Ireland. Remote Sensing, 2019, 11, 348.	1.8	21
624	Time-series InSAR ground deformation monitoring: Atmospheric delay modeling and estimating. Earth-Science Reviews, 2019, 192, 258-284.	4.0	78
625	Sea level trend over Malaysian seas from multi-mission satellite altimetry and vertical land motion corrected tidal data. Advances in Space Research, 2019, 63, 3452-3472.	1.2	35
626	Persistent Scatterer Density by Image Resolution and Terrain Type. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 2069-2079.	2.3	10
627	Landscape evolution and deduction of surface deformation in the Soan Dun, NW Himalaya, India. Quaternary International, 2019, 507, 302-323.	0.7	45
628	Sentinel-1 for Monitoring Land Subsidence of Coastal Cities in Africa Using PSInSAR: A Methodology Based on the Integration of SNAP and StaMPS. Geosciences (Switzerland), 2019, 9, 124.	1.0	52
629	Characterizing and Monitoring Ground Settlement of Marine Reclamation Land of Xiamen New Airport, China with Sentinel-1 SAR Datasets. Remote Sensing, 2019, 11, 585.	1.8	35
630	Surface deformation monitoring of Shanghai based on ENVISAT ASAR and Sentinel-1A data. Environmental Earth Sciences, 2019, 78, 1.	1.3	15
631	Effects of climate change on the design of subsurface drainage systems in coastal aquifers in arid/semi-arid regions: Case study of the Nile delta. Science of the Total Environment, 2019, 672, 283-295.	3.9	38
632	Theory and Statistical Description of the Enhanced Multi-Temporal InSAR (E-MTInSAR) Noise-Filtering Algorithm. Remote Sensing, 2019, 11, 363.	1.8	13
633	Volcano observatory best practices (VOBP) workshops - a summary of findings and best-practice recommendations. Journal of Applied Volcanology, 2019, 8, .	0.7	53

#	Article	IF	Citations
634	Mining Deformation Life Cycle in the Light of InSAR and Deformation Models. Remote Sensing, 2019, 11, 745.	1.8	36
635	Multi-Sensor SAR Geodetic Imaging and Modelling of Santorini Volcano Post-Unrest Response. Remote Sensing, 2019, 11, 259.	1.8	21
636	National geohazards mapping in Europe: Interferometric analysis of the Netherlands. Engineering Geology, 2019, 256, 1-22.	2.9	21
637	Subsidence of sinkholes in Wink, Texas from 2007 to 2011 detected by time-series InSAR analysis. Geomatics, Natural Hazards and Risk, 2019, 10, 1125-1138.	2.0	14
638	Recent Surface Deformation in the Tianjin Area Revealed by Sentinel-1A Data. Remote Sensing, 2019, 11, 130.	1.8	30
639	Analysis and Classification of Natural and Human-Induced Ground Deformations at Regional Scale (Campania, Italy) Detected by Satellite Synthetic-Aperture Radar Interferometry Archive Datasets. Remote Sensing, 2019, 11, 2822.	1.8	14
640	Monitoring the Stability of Tide Gauges Using Time-Series INSAR Analysis: A Case Study in Pohang, South Korea. , $2019$ , , .		0
641	SAR Image Statistics by Bandwidth Using a Mixture Distribution of Persistent Scatterer and Clutter Distributions. , 2019, , .		2
642	PSInSAR Processing for Volcanic Ground Deformation Monitoring Over Fogo Island. Proceedings (mdpi), 2019, 24, .	0.2	6
643	Land subsidence induced by agriculture activity in Bandung, West Java Indonesia. IOP Conference Series: Earth and Environmental Science, 2019, 389, 012024.	0.2	5
644	An Overview of Atmospheric Correction for GB-SAR. , 2019, , .		3
645	A procedure to use GNSS data to calibrate satellite PSI data for the study of subsidence:an example from the north-western Adriatic coast (Italy). European Journal of Remote Sensing, 2019, 52, 54-63.	1.7	18
646	Comparing DInSAR and PSI Techniques Employed to Sentinel-1 Data to Monitor Highway Stability: A Case Study of a Massive DobkoviÄky Landslide, Czech Republic. Remote Sensing, 2019, 11, 2670.	1.8	36
647	A Modified Goldstein Filter for Interferogram Denoising Based on Residue Density. , 2019, , .		0
648	Volcano Monitoring from Space Using High-Cadence Planet CubeSat Images Applied to Fuego Volcano, Guatemala. Remote Sensing, 2019, 11, 2151.	1.8	16
649	PS Selection Method for and Application to GB-SAR Monitoring of Dam Deformation. Advances in Civil Engineering, 2019, 2019, 1-15.	0.4	5
650	Permafrost Deformation Monitoring Along the Qinghai-Tibet Plateau Engineering Corridor Using InSAR Observations with Multi-Sensor SAR Datasets from 1997–2018. Sensors, 2019, 19, 5306.	2.1	34
651	Land Subsidence Monitoring for Beijing-Tianjin-Hebei Region using Sentinel-1., 2019, , .		0

#	Article	IF	CITATIONS
652	Monitoring of a Sea-Dike in Northern Germany by Means of ERS-1, ENVISAT/ASAR, and Sentinel-1 SAR Interferometry. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 4351-4360.	2.3	2
653	Monitoring Differential Subsidence along the Beijing–Tianjin Intercity Railway with Multiband SAR Data. International Journal of Environmental Research and Public Health, 2019, 16, 4453.	1.2	10
654	Application of DInSAR-PSI Technology for Deformation Monitoring of the Mosul Dam, Iraq. Remote Sensing, 2019, 11, 2632.	1.8	23
655	Surface Deformation Analysis of the Wider Zagreb Area (Croatia) with Focus on the Kašina Fault, Investigated with Small Baseline InSAR Observations. Sensors, 2019, 19, 4857.	2.1	3
656	Monitoring Deformation along Railway Systems Combining Multi-Temporal InSAR and LiDAR Data. Remote Sensing, 2019, 11, 2298.	1.8	27
657	A Ground Surface Deformation Monitoring InSAR Method Using Improved Distributed Scatterers Phase Estimation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 4543-4553.	2.3	17
658	Application of PS-InSAR Technique for Measuring the Coastal Subsidence in the East Coast of South Korea. , 2019, , .		1
659	A Case Study on the Correction of Atmospheric Phases for SAR Tomography in Mountainous Regions. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 416-431.	2.7	11
660	Ground subsidence characteristics associated with urbanization in East China analyzed with a Sentinel-1A-based InSAR time series approach. Bulletin of Engineering Geology and the Environment, 2019, 78, 4003-4015.	1.6	9
661	New estimation of Nile Delta subsidence rates from InSAR and GPS analysis. Environmental Earth Sciences, 2019, 78, 1.	1.3	24
662	Monitoring of surface instability in tourist zones in Sanya (China) using high-resolution SAR interferometry. Remote Sensing Letters, 2019, 10, 129-138.	0.6	1
663	Pixel-Wise MTInSAR Estimator for Integration of Coherent Point Selection and Unwrapped Phase Vector Recovery. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2659-2668.	2.7	23
664	Detecting and monitoring of landslides using persistent scattering synthetic aperture radar interferometry. Environmental Earth Sciences, 2019, 78, 1.	1.3	11
665	Vertical land motion and relative sea level changes along the coastline of Brest (France) from combined space-borne geodetic methods. Remote Sensing of Environment, 2019, 222, 275-285.	4.6	40
666	Land subsidence lagging quantification in the main exploration aquifer layers in Beijing plain, China. International Journal of Applied Earth Observation and Geoinformation, 2019, 75, 54-67.	1.4	46
667	Ground surface response to continuous compaction of aquifer system in Tehran, Iran: Results from a long-term multi-sensor InSAR analysis. Remote Sensing of Environment, 2019, 221, 534-550.	4.6	108
668	Spatial and Temporal Distributions of Deformation in Strike-Slip Faults: The Karakoram Fault in the India-Asia Collision Zone., 2019,, 271-300.		2
669	Monitoring of landslide activity at the Sirobagarh landslide, Uttarakhand, India, using LiDAR, SAR interferometry and geodetic surveys. Geocarto International, 2020, 35, 535-558.	1.7	18

#	Article	IF	CITATIONS
670	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.	4.4	31
671	Geodetic investigation of landslides and land subsidence: case study of the Bhurkunda coal mines and the Sirobagarh landslide. Survey Review, 2020, 52, 134-149.	0.7	16
672	GInSAR: A cGPS Correction for Enhanced InSAR Time Series. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 136-146.	2.7	25
673	Displacement monitoring of upper Atbara dam based on time series InSAR. Survey Review, 2020, 52, 485-496.	0.7	16
674	Improving tropospheric corrections on large-scale Sentinel-1 interferograms using a machine learning approach for integration with GNSS-derived zenith total delay (ZTD). Remote Sensing of Environment, 2020, 239, 111608.	4.6	26
675	Geological and geomorphological analysis of a complex landslides system: the case of San Martino sulla Marruccina (Abruzzo, Central Italy). Journal of Maps, 2020, 16, 126-136.	1.0	11
676	Seasonal Deformation of Permafrost in Wudaoliang Basin in Qinghai-Tibet Plateau Revealed by StaMPS-InSAR. Marine Geodesy, 2020, 43, 248-268.	0.9	27
677	A New 3-D Minimum Cost Flow Phase Unwrapping Algorithm Based on Closure Phase. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1857-1867.	2.7	15
678	Individual Scatterer Model Learning for Satellite Interferometry. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1273-1280.	2.7	13
679	Backscatter Distributions of Persistent and Distributed Scatterers Over Wavelength: Results From $\langle i \rangle X \langle  i \rangle$ -, $\langle i \rangle C \langle  i \rangle$ -, and $\langle i \rangle L \langle  i \rangle$ -Band. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5518-5525.	2.3	6
680	Potentialities of Sentinel-1 for mapping and monitoring geological and cryospheric processes in the Patagonia region (Chile). , 2020, , .		0
681	Detecting differential ground displacements of civil structures in fast-subsiding metropolises with interferometric SAR and band-pass filtering. Scientific Reports, 2020, 10, 15460.	1.6	11
682	Landslide Characterization Applying Sentinel-1 Images and InSAR Technique: The Muyubao Landslide in the Three Gorges Reservoir Area, China. Remote Sensing, 2020, 12, 3385.	1.8	62
683	Pre- and post-failure dynamics of landslides in the Northern Apennines revealed by space-borne synthetic aperture radar interferometry (InSAR). Geomorphology, 2020, 369, 107353.	1.1	19
684	InSAR observations and analysis of the Medicina Geodetic Observatory and CosmoSkyMed images. Natural Hazards, 2020, 103, 3145-3161.	1.6	8
685	Sentinel-1 InSAR measurements of deformation over discontinuous permafrost terrain, Northern Quebec, Canada. Remote Sensing of Environment, 2020, 248, 111965.	<b>4.</b> 6	27
686	Ocean Tide Loading Effects on InSAR Observations Over Wide Regions. Geophysical Research Letters, 2020, 47, e2020GL088184.	1.5	12
687	An Improved Multi-Sensor MTI Time-Series Fusion Method to Monitor the Subsidence of Beijing Subway Network during the Past 15 Years. Remote Sensing, 2020, 12, 2125.	1.8	12

#	Article	IF	CITATIONS
688	Deformations Prior to the Brumadinho Dam Collapse Revealed by Sentinel-1 InSAR Data Using SBAS and PSI Techniques. Remote Sensing, 2020, 12, 3664.	1.8	24
689	Analysis of the Decadal Kinematic Characteristics of the Daguangbao Landslide Using Multiplatform Time Series InSAR Observations After the Wenchuan Earthquake. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB019325.	1.4	15
690	DInSAR for Road Infrastructure Monitoring: Case Study Highway Network of Rome Metropolitan (Italy). Remote Sensing, 2020, 12, 3697.	1.8	24
691	Ground Deformation of Wuhan, China, Revealed by Multi-Temporal InSAR Analysis. Remote Sensing, 2020, 12, 3788.	1.8	23
692	Two decades of settlement of Hong Kong International Airport measured with multi-temporal InSAR. Remote Sensing of Environment, 2020, 248, 111976.	4.6	56
693	LiCSAR: An Automatic InSAR Tool for Measuring and Monitoring Tectonic and Volcanic Activity. Remote Sensing, 2020, 12, 2430.	1.8	127
694	InSAR-based detection method for mapping and monitoring slow-moving landslides in remote regions with steep and mountainous terrain: An application to Nepal. Remote Sensing of Environment, 2020, 249, 111983.	4.6	97
695	Country-scale InSAR monitoring for settlement and uplift damage calculation in architectural heritage structures. Structural Health Monitoring, 2021, 20, 2317-2336.	4.3	22
696	Impact of Deep-seated Gravitational Slope Deformation on urban areas and large infrastructures in the Italian Western Alps. Science of the Total Environment, 2020, 740, 140360.	3.9	12
697	PS-InSAR derived deformation study in the Kachchh, Western India. Applied Computing and Geosciences, 2020, 8, 100041.	1.0	26
698	Characterizing the evolution life cycle of the Sunkoshi landslide in Nepal with multi-source SAR data. Scientific Reports, 2020, 10, 17988.	1.6	15
699	Coal Mining Deformation Monitoring Using SBAS-InSAR and Offset Tracking: A Case Study of Yu County, China. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 6077-6087.	2.3	30
700	Localized Subsidence Zones in Gäle City Detected by Sentinel-1 PSI and Leveling Data. Remote Sensing, 2020, 12, 2629.	1.8	12
701	Small-Baseline Approach for Monitoring the Freezing and Thawing Deformation of Permafrost on the Beiluhe Basin, Tibetan Plateau Using TerraSAR-X and Sentinel-1 Data. Sensors, 2020, 20, 4464.	2.1	17
702	Investigating persistent scatterer InSAR (PSInSAR) technique efficiency for landslides mapping: a case study in Artvin dam area, in Turkey. Geocarto International, 2022, 37, 2293-2311.	1.7	18
703	Integrating RELAX with PS-InSAR Technique to Improve Identification of Persistent Scatterers for Land Subsidence Monitoring. Remote Sensing, 2020, 12, 2730.	1.8	5
704	Remote Sensing X-Band SAR Data for Land Subsidence and Pavement Monitoring. Sensors, 2020, 20, 4751.	2.1	26
705	Monitoring of tectonic movements of the Gediz Graben by the PSInSAR method and validation with GNSS results. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	15

#	ARTICLE	IF	CITATIONS
706	InSAR Campaign Reveals Ongoing Displacement Trends at High Impact Sites of Thessaloniki and Chalkidiki, Greece. Remote Sensing, 2020, 12, 2396.	1.8	16
707	Time-Series Analysis of Subsidence in Nanning, China, Based on Sentinel-1A Data by the SBAS InSAR Method. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 2020, 88, 291-304.	0.7	3
708	Quantitative assessment of ground deformation risks, controlling factors and movement trends for onshore petroleum and gas industry using satellite Radar remote sensing and spatial statistics. Georisk, 2022, 16, 283-300.	2.6	6
709	Episodic ground deformation associated with geothermal energy production at the Guayabo Caldera, Costa Rica. Journal of Volcanology and Geothermal Research, 2020, 407, 107110.	0.8	5
710	Radar Remote Sensing to Supplement Pipeline Surveillance Programs through Measurements of Surface Deformations and Identification of Geohazard Risks. Remote Sensing, 2020, 12, 3934.	1.8	9
711	Reply to Lanari, R., et al. Comment on "Pre-Collapse Space Geodetic Observations of Critical Infrastructure: The Morandi Bridge, Genoa, Italy―by Milillo et al. (2019). Remote Sensing, 2020, 12, 4016.	1.8	10
712	Land Subsidence Prediction Induced by Multiple Factors Using Machine Learning Method. Remote Sensing, 2020, 12, 4044.	1.8	24
713	Quantitative assessment of ground deformations for the risk management of petroleum and gas pipelines using radar interferometry. Geomatics, Natural Hazards and Risk, 2020, 11, 2540-2568.	2.0	4
714	Determination of the Long-Term Ground Surface Displacements Using a PSI Technique—Case Study on WrocÅ,aw (Poland). Applied Sciences (Switzerland), 2020, 10, 3343.	1.3	5
715	InSAR Greece with Parallelized Persistent Scatterer Interferometry: A National Ground Motion Service for Big Copernicus Sentinel-1 Data. Remote Sensing, 2020, 12, 3207.	1.8	25
716	The Relationship between Surface Displacement and Groundwater Level Change and Its Hydrogeological Implications in an Alluvial Fan: Case Study of the Choshui River, Taiwan. Remote Sensing, 2020, 12, 3315.	1.8	14
717	Improving PSI Processing of Mining Induced Large Deformations with External Models. Remote Sensing, 2020, 12, 3145.	1.8	8
718	Long-term ground multi-level deformation fusion and analysis based on a combination of deformation prior fusion model and OTD-InSAR for longwall mining activity. Measurement: Journal of the International Measurement Confederation, 2020, 161, 107911.	2.5	14
719	Land subsidence and its relation with groundwater aquifers in Beijing Plain of China. Science of the Total Environment, 2020, 735, 139111.	3.9	80
720	Ground Deformation in The Ciloto Landslides Area Revealed by Multi-Temporal InSAR. Geosciences (Switzerland), 2020, 10, 156.	1.0	11
721	Radar Interferometry: 20 Years of Development in Time Series Techniques and Future Perspectives. Remote Sensing, 2020, 12, 1364.	1.8	57
722	Surface Subsidence Monitoring in Mining Area Based on SBAS Method Fusing Distributed Scatterers. IOP Conference Series: Earth and Environmental Science, 2020, 455, 012068.	0.2	1
723	Performance Analysis of Open Source Time Series InSAR Methods for Deformation Monitoring over a Broader Mining Region. Remote Sensing, 2020, 12, 1380.	1.8	10

#	ARTICLE	IF	Citations
724	Ground deformation and fissure activity of the Yuncheng Basin (China) revealed by multiband time series InSAR. Advances in Space Research, 2020, 66, 490-504.	1.2	9
725	Improved offset tracking for predisaster deformation monitoring of the 2018 Jinsha River landslide (Tibet, China). Remote Sensing of Environment, 2020, 247, 111899.	4.6	22
726	An Open-Source Web Platform to Share Multisource, Multisensor Geospatial Data and Measurements of Ground Deformation in Mountain Areas. ISPRS International Journal of Geo-Information, 2020, 9, 4.	1.4	10
727	Persistent Scatterer Interferometry in the post-event monitoring of the Idukki Landslides. Geocarto International, 2022, 37, 1514-1528.	1.7	10
728	Oil and Gas Mining Deformation Monitoring and Assessments of Disaster: Using Interferometric Synthetic Aperture Radar Technology. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 108-134.	4.9	13
729	remotIO: A Sentinel-1 Multi-Temporal InSAR Infrastructure Monitoring Service with Automatic Updates and Data Mining Capabilities. Remote Sensing, 2020, 12, 1892.	1.8	20
730	A deformation study of Anthemountas graben (northern Greece) based on in situ data and new InSAR results. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	5
731	Disruptive influences of residual noise, network configuration and data gaps on InSAR-derived land motion rates using the SBAS technique. Remote Sensing of Environment, 2020, 247, 111941.	4.6	26
732	One-Step Three-Dimensional Phase Unwrapping Approach Based on Small Baseline Subset Interferograms. Remote Sensing, 2020, 12, 1473.	1.8	8
733	Satellite Radar Imagery for Detection and Monitoring of Geohazards. Transportation Research Record, 2020, 2674, 283-292.	1.0	0
734	Polarimetric Stationarity Omnibus Test (PSOT) for Selecting Persistent Scatterer Candidates with Quad-Polarimetric SAR Datasets. Sensors, 2020, 20, 1555.	2.1	5
735	On the Use of Weighted Least-Squares Approaches for Differential Interferometric SAR Analyses: The Weighted Adaptive Variable-lEngth (WAVE) Technique. Sensors, 2020, 20, 1103.	2.1	10
736	Satellite-Based Monitoring and Modeling of Ground Movements Caused by Water Rebound. Remote Sensing, 2020, 12, 1786.	1.8	13
737	InSAR Evidence Indicates a Link Between Fluid Injection for Salt Mining and the 2019 Changning (China) Earthquake Sequence. Geophysical Research Letters, 2020, 47, e2020GL087603.	1.5	26
738	Paradigm Changes in Surface-Motion Estimation From SAR: Lessons From 16 Years of Sino-European Cooperation in the Dragon Program. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 8-21.	4.9	11
739	Urban subsidence monitoring by SBAS-InSAR technique with multi-platform SAR images: a case study of Beijing Plain, China. European Journal of Remote Sensing, 2020, 53, 141-153.	1.7	23
740	Monitoring Buildings at Landslide Risk With SAR: A Methodology Based on the Use of Multipass Interferometric Data. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 91-119.	4.9	29
741	A Review of Time-Series Interferometric SAR Techniques: A Tutorial for Surface Deformation Analysis. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 22-42.	4.9	60

#	Article	IF	CITATIONS
742	Understanding Land Subsidence Along the Coastal Areas of Guangdong, China, by Analyzing Multi-Track MTInSAR Data. Remote Sensing, 2020, 12, 299.	1.8	25
743	Detection and Characterization of Active Slope Deformations with Sentinel-1 InSAR Analyses in the Southwest Area of Shanxi, China. Remote Sensing, 2020, 12, 392.	1.8	16
744	Use of SAR/InSAR in Mining Deformation Monitoring, Parameter Inversion, and Forward Predictions: A Review. IEEE Geoscience and Remote Sensing Magazine, 2020, 8, 71-90.	4.9	72
745	The Status of Earth Observation Techniques in Monitoring High Mountain Environments at the Example of Pasterze Glacier, Austria: Data, Methods, Accuracies, Processes, and Scales. Remote Sensing, 2020, 12, 1251.	1.8	11
746	Performance Evaluation of Phase and Weather-Based Models in Atmospheric Correction With Sentinel-1Data: Corvara Landslide in the Alps. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1332-1346.	2.3	12
747	Deformation Time Series and Driving-Force Analysis of Glaciers in the Eastern Tienshan Mountains Using the SBAS InSAR Method. International Journal of Environmental Research and Public Health, 2020, 17, 2836.	1.2	17
748	Ground Deformation of the Chongming East Shoal Reclamation Area in Shanghai Based on SBAS-InSAR and Laboratory Tests. Remote Sensing, 2020, 12, 1016.	1.8	25
749	Monitoring of large-scale landslides in Zongling, Guizhou, China, with improved distributed scatterer interferometric SAR time series methods. Landslides, 2020, 17, 1777-1795.	2.7	28
750	The Multiple Aperture SAR Interferometry (MAI) Technique for the Detection of Large Ground Displacement Dynamics: An Overview. Remote Sensing, 2020, 12, 1189.	1.8	27
751	Impacts of Systematic Errors on Topographic Parameter Estimation in Multitemporal InSAR: A Quantitative Description. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 306-310.	1.4	2
752	Monitoring mining-induced subsidence by integrating differential radar interferometry and persistent scatterer techniques. European Journal of Remote Sensing, 2021, 54, 18-30.	1.7	27
753	Land deformation monitoring using optical remote sensing and PS-InSAR technique nearby Gangotri glacier in higher Himalayas. Modeling Earth Systems and Environment, 2021, 7, 221-233.	1.9	4
754	ARU-Net: Reduction of Atmospheric Phase Screen in SAR Interferometry Using Attention-Based Deep Residual U-Net. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5780-5793.	2.7	20
755	Land subsidence of the Yellow River Delta in China driven by river sediment compaction. Science of the Total Environment, 2021, 750, 142165.	3.9	41
756	Application of satellite SAR interferometry for the detection and monitoring of landslides along the Tijuana - Ensenada Scenic Highway, Baja California, Mexico. Journal of South American Earth Sciences, 2021, 107, 103030.	0.6	6
757	Slope surface displacement monitoring based on a photogrammetric system. Optik, 2021, 227, 166089.	1.4	3
758	Coherence-guided InSAR deformation analysis in the presence of ongoing land surface changes in the Imperial Valley, California. Remote Sensing of Environment, 2021, 253, 112160.	4.6	19
759	PSInSAR-Based Surface Deformation Mapping of Angkor Wat Cultural Heritage Site. Journal of the Indian Society of Remote Sensing, 2021, 49, 827-842.	1.2	3

#	Article	IF	CITATIONS
760	Long-term retrospective investigation of a large, deep-seated, and slow-moving landslide using InSAR time series, historical aerial photographs, and UAV data: The case of Devrek landslide (NW Turkey). Catena, 2021, 196, 104895.	2.2	34
761	Comparison of PolSAR Surface Measurements From Underground Chemical Explosions to Recorded and Predicted Surface Ground Motion. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 165-174.	2.3	4
762	Detecting Ground Deformation in the Built Environment Using Sparse Satellite InSAR Data With a Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2940-2950.	2.7	39
763	A New Decorrelation Phase Covariance Model for Noise Reduction in Unwrapped Interferometric Phase Stacks. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 10126-10135.	2.7	8
764	Deformation Retrieval Using the Spatially Constrained MTInSAR Method. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	1
765	Monitoring of Power Towers' Movement Using Persistent Scatterer SAR Interferometry in South West of Tehran. Remote Sensing, 2021, 13, 407.	1.8	14
766	Did We Produce More Waste During the COVID-19 Lockdowns? A Remote Sensing Approach to Landfill Change Analysis. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 7349-7358.	2.3	9
767	Improving the capability of integrated DInSAR and PSI approach for better detection, monitoring, and analysis of land surface deformation in underground mining environment. Geocarto International, 2022, 37, 3607-3641.	1.7	4
768	Atmospheric Phase Screen Compensation on Wrapped Ground-Based SAR Interferograms. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	8
769	Urban Applications. Remote Sensing and Digital Image Processing, 2021, , 215-254.	0.7	0
770	Applications of Bistatic Radar to Volcano Topographyâ€"A Review of Ten Years of TanDEM-X. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3282-3302.	2.3	14
771	Monitoring surface deformation of deep salt mining in Vauvert (France), combining InSAR and leveling data for multi-source inversion. Solid Earth, 2021, 12, 15-34.	1.2	15
772	Monitoring Subsidence Deformation of Suzhou Subway Using InSAR Timeseries Analysis. IEEE Access, 2021, 9, 3400-3416.	2.6	11
773	Automatic Detection of Volcanic Unrest Using Blind Source Separation With a Minimum Spanning Tree Based Stability Analysis. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 7771-7787.	2.3	7
774	A Novel Algorithm Based on Compressive Sensing to Mitigate Phase Unwrapping Errors in Multitemporal DInSAR Approaches. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-20.	2.7	2
775	Three-dimensional deformation monitoring and simulations for the preventive conservation of architectural heritage: a case study of the Angkor Wat Temple, Cambodia. GIScience and Remote Sensing, 2021, 58, 217-234.	2.4	14
776	SAR Interferometry. Encyclopedia of Earth Sciences Series, 2021, , 1335-1343.	0.1	0
777	Ground Displacement Variation Around Power Line Corridors on the Loess Plateau Estimated by Persistent Scatterer Interferometry. IEEE Access, 2021, 9, 87908-87917.	2.6	2

#	Article	IF	CITATIONS
778	Landslide susceptibility mapping using MT-InSAR and AHP enabled GIS-based multi-criteria decision analysis. Geomatics, Natural Hazards and Risk, 2021, 12, 675-693.	2.0	27
779	Use of Geophysical and Radar Interferometric Techniques to Monitor Land Deformation Associated with the Jazan Salt Diapir, Jazan city, Saudi Arabia. Surveys in Geophysics, 2021, 42, 177-200.	2.1	8
780	Estimation of Ground Vertical Displacement in Landslide Prone Areas Using PS-InSAR. A Case Study of Bududa, Uganda. International Journal of Geosciences, 2021, 12, 347-380.	0.2	7
781	A Workflow Based on SNAP–StaMPS Open-Source Tools and GNSS Data for PSI-Based Ground Deformation Using Dual-Orbit Sentinel-1 Data: Accuracy Assessment with Error Propagation Analysis. Remote Sensing, 2021, 13, 753.	1.8	26
782	Fault motion reversals predating the M $<$ sub $>$ w $<$ /sub $>$ 6.3 2009 L'Aquila earthquake: insights from synthetic aperture radar data. Journal of the Geological Society, 2021, 178, .	0.9	1
783	Suppression of Coherence Matrix Bias for Phase Linking and Ambiguity Detection in MTInSAR. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 1263-1274.	2.7	14
784	Improved Real-Time Natural Hazard Monitoring Using Automated DInSAR Time Series. Remote Sensing, 2021, 13, 867.	1.8	2
785	Assessment of groundwater depletion–induced land subsidence and characterisation of damaging cracks on houses: a case study in Mohali-Chandigarh area, India. Bulletin of Engineering Geology and the Environment, 2021, 80, 3217-3231.	1.6	17
786	Recent land deformation detected by Sentinel-1A InSAR data (2016–2020) over Hanoi, Vietnam, and the relationship with groundwater level change. GlScience and Remote Sensing, 2021, 58, 161-179.	2.4	31
787	Time-Series Analysis on Persistent Scatter-Interferometric Synthetic Aperture Radar (PS-InSAR) Derived Displacements of the Hong Kong–Zhuhai–Macao Bridge (HZMB) from Sentinel-1A Observations. Remote Sensing, 2021, 13, 546.	1.8	29
788	Detection Threshold Estimates for InSAR Time Series: A Simulation of Tropospheric Delay Approach. Sensors, 2021, 21, 1124.	2.1	7
789	Countrywide Monitoring of Ground Deformation Using InSAR Time Series: A Case Study from Qatar. Remote Sensing, 2021, 13, 702.	1.8	14
790	Land subsidence induced by underground coal mining at Quang Ninh, Vietnam: persistent scatterer interferometric synthetic aperture radar observation using Sentinel-1 data. International Journal of Remote Sensing, 2021, 42, 3563-3582.	1.3	19
791	Monitoring of Ground Movements Due to Mine Water Rise Using Satellite-Based Radar Interferometry—A Comprehensive Case Study for Low Movement Rates in the German Mining Area Lugau/Oelsnitz. Mining, 2021, 1, 35-58.	1.1	4
792	Three-dimensional strain descriptors at the Earth's surface through 3D retrieved co-event displacement fields of differential interferometric synthetic aperture radar. Journal of Geodesy, 2021, 95, 1.	1.6	3
793	Estimation of regional surface deformation post the 2001 Bhuj earthquake in the Kachchh region, Western India using RADAR interferometry. Geocarto International, 2022, 37, 5249-5277.	1.7	27
794	Sentinel-1 InSAR captures 2019 catastrophic White Island eruption. Journal of Volcanology and Geothermal Research, 2021, 411, 107124.	0.8	5
795	Investigating GNSS multipath effects induced by co-located Radar Corner Reflectors. Journal of Applied Geodesy, 2021, 15, 207-224.	0.6	6

#	Article	IF	Citations
796	Mitigation of Atmospheric Artefacts in Multi Temporal InSAR: A Review. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 2021, 89, 251-272.	0.7	5
797	High-Quality Pixel Selection Applied for Natural Scenes in GB-SAR Interferometry. Remote Sensing, 2021, 13, 1617.	1.8	8
798	Surface response and subsurface features during the restriction of groundwater exploitation in Suzhou (China) inferred from decadal SAR interferometry. Remote Sensing of Environment, 2021, 256, 112327.	4.6	19
799	Subsidence in Como historic centre (northern Italy): Assessment of building vulnerability combining hydrogeological and stratigraphic features, Cosmo-SkyMed InSAR and damage data. International Journal of Disaster Risk Reduction, 2021, 56, 102115.	1.8	20
800	Detection of surface deformation in opak fault Yogyakarta using quasi persistent scatter interferometry synthetic aperture radar. IOP Conference Series: Earth and Environmental Science, 2021, 739, 012089.	0.2	0
801	A Framework for Studying Hydrology-Driven Landslide Hazards in Northwestern US Using Satellite InSAR, Precipitation and Soil Moisture Observations: Early Results and Future Directions. GeoHazards, 2021, 2, 17-40.	0.8	10
802	Exploring PAZ co-polarimetric SAR data for surface movement mapping and scattering characterization. International Journal of Applied Earth Observation and Geoinformation, 2021, 96, 102280.	1.4	6
803	Spatialâ€Temporal Ground Deformation Study of Baotou Based on the PSâ€InSAR Method. Acta Geologica Sinica, 2021, 95, 674-683.	0.8	4
804	Deformation Detection in Cyclic Landslides Prior to Their Reactivation Using Two-Pass Satellite Interferometry. Applied Sciences (Switzerland), 2021, 11, 3156.	1.3	6
805	Time Series InSAR Three-Dimensional Displacement Inversion Model of Coal Mining Areas Based on Symmetrical Features of Mining Subsidence. Remote Sensing, 2021, 13, 2143.	1.8	27
806	On the Use of Interferometric Synthetic Aperture Radar Data for Monitoring and Forecasting Natural Hazards. Mathematical Geosciences, 2021, 53, 1781-1812.	1.4	11
807	Analysis of Groundwater Depletion/Inflation and Freeze–Thaw Cycles in the Northern Urumqi Region with the SBAS Technique and an Adjusted Network of Interferograms. Remote Sensing, 2021, 13, 2144.	1.8	5
808	HazMapper: a global open-source natural hazard mapping application in Google Earth Engine. Natural Hazards and Earth System Sciences, 2021, 21, 1495-1511.	1.5	48
810	Assessment of Morphology Changes of the End Moraine of the Werenskiold Glacier (SW Spitsbergen) Using Active and Passive Remote Sensing Techniques. Remote Sensing, 2021, 13, 2134.	1.8	0
811	The  wickedness' of governing land subsidence: Policy perspectives from urban Southeast Asia. PLoS ONE, 2021, 16, e0250208.	1.1	8
812	CONCEPT TO ANALYZE THE DISPLACEMENT TIME SERIES OF INDIVIDUAL PERSISTENT SCATTERERS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2021, 147-154.	0.2	3
813	An Analysis of Vertical Crustal Movements along the European Coast from Satellite Altimetry, Tide Gauge, GNSS and Radar Interferometry. Remote Sensing, 2021, 13, 2173.	1.8	11
814	Postseismic Deformation and Afterslip Evolution of the 2015 Gorkha Earthquake Constrained by InSAR and GPS Observations. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020230.	1.4	16

#	Article	IF	CITATIONS
815	Pre- and post-failure spatiotemporal evolution of loess landslides: a case study of the Jiangou landslide in Ledu, China. Landslides, 2021, 18, 3475-3484.	2.7	21
816	USING GENERATIVE ADVERSARIAL NETWORKS FOR EXTRACTION OF INSAR SIGNALS FROM LARGE-SCALE SENTINEL-1 INTERFEROGRAMS BY IMPROVING TROPOSPHERIC NOISE CORRECTION. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, V-3-2021, 57-64.	0.0	3
817	InSAR surface deformation and numeric modeling unravel an active salt diapir in southern Romania. Scientific Reports, 2021, 11, 12091.	1.6	3
818	Spatio-temporal linking of multiple SAR satellite data from medium and high resolution Radarsat-2 images. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 176, 222-236.	4.9	3
819	Space-Time Evolutions of Land Subsidence in the Choushui River Alluvial Fan (Taiwan) from Multiple-Sensor Observations. Remote Sensing, 2021, 13, 2281.	1.8	6
820	Investigation of the landslides in Beylikdüzü-Esenyurt Districts of Istanbul from InSAR and GNSS observations. Natural Hazards, 2021, 109, 1201-1220.	1.6	14
821	Recent advancements in multi-temporal methods applied to new generation SAR systems and applications in South America. Journal of South American Earth Sciences, 2021, 111, 103410.	0.6	10
822	Retrieving Three-Dimensional Large Surface Displacements in Coal Mining Areas by Combining SAR Pixel Offset Measurements with an Improved Mining Subsidence Model. Remote Sensing, 2021, 13, 2541.	1.8	14
823	Temporal Seismic Velocity Changes During the 2020 Rapid Inflation at Mt. Þorbjörnâ€ <b>S</b> vartsengi, Iceland, Using Seismic Ambient Noise. Geophysical Research Letters, 2021, 48, e2020GL092265.	1.5	21
824	A Large Old Landslide in Sichuan Province, China: Surface Displacement Monitoring and Potential Instability Assessment. Remote Sensing, 2021, 13, 2552.	1.8	12
825	An improved distributed scatterers extraction algorithm for monitoring tattered ground surface subsidence with DSInSAR: A case study of loess landform in Tongren county. International Journal of Applied Earth Observation and Geoinformation, 2021, 99, 102322.	1.4	5
826	Complex Surface Deformation of the Coalfield in the Northwest Suburbs of Xuzhou from 2015 to 2020 Revealed by Time Series InSAR. Canadian Journal of Remote Sensing, 2021, 47, 697-718.	1.1	4
827	Sinkhole Scanner: A New Method to Detect Sinkhole-Related Spatio-Temporal Patterns in InSAR Deformation Time Series. Remote Sensing, 2021, 13, 2906.	1.8	4
828	Ancient landslide in Wanzhou District analysis from 2015 to 2018 based on ALOS-2 data by QPS-InSAR. Natural Hazards, 0, , 1.	1.6	7
829	InSAR constraints on the active deformation of salt diapirs in the Kalut basin, Central Iran. Tectonophysics, 2021, 810, 228860.	0.9	3
830	Insight into the May 2015 summit inflation event at KÄ«lauea Volcano, Hawaiâ€~i. Journal of Volcanology and Geothermal Research, 2021, 415, 107250.	0.8	5
831	The Disaster Mitigation of Slow-Landslide Movement Induced By Rainfall Based on Ps-Insar Method. Indonesian Scholar Scientific Summit Taiwan Proceeding, 0, 3, 76-83.	0.0	0
832	IGS-CMAES: A Two-Stage Optimization for Ground Deformation and DEM Error Estimation in Time Series InSAR Data. Remote Sensing, 2021, 13, 2615.	1.8	1

#	Article	IF	CITATIONS
833	Monitoring of land surface subsidence using persistent scatterer interferometry techniques and ground truth data in arid and semi-arid regions, the case of Remah, UAE. Science of the Total Environment, 2021, 776, 145946.	3.9	13
834	Combined SBAS-InSAR and geostatistics to detect topographic change and fluid paths in geothermal areas. Journal of Volcanology and Geothermal Research, 2021, 416, 107272.	0.8	11
835	Interseismic Slip and Coupling along the Haiyuan Fault Zone Constrained by InSAR and GPS Measurements. Remote Sensing, 2021, 13, 3333.	1.8	6
836	A Strainâ€Model Based InSAR Time Series Method and Its Application to The Geysers Geothermal Field, California. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB021939.	1.4	11
837	Underground Goaf Parameters Estimation by Cross-Iteration with InSAR Measurements. Remote Sensing, 2021, 13, 3204.	1.8	7
838	Integrated InSAR and GNSS Monitoring Subsystem for an Arch Dam and Reservoir Banks. Journal of Surveying Engineering, - ASCE, 2021, 147, .	1.0	5
839	A Case Study of a Large Unstable Mass Stabilization: "El Portalet―Pass at the Central Spanish Pyrenees. Applied Sciences (Switzerland), 2021, 11, 7176.	1.3	0
840	Volcano Deformation: Insights into Magmatic Systems. , 2022, , 503-537.		0
841	Monitoring surface deformations of the reclamation site using PS interferometry: Senol Gunes sport complex (Turkey). Geocarto International, 2022, 37, 7247-7260.	1.7	1
842	Sentinel-1 Data Processing for Detecting and Monitoring of Ground Instabilities in the Rocky Coast of Central Asturias (N Spain). Remote Sensing, 2021, 13, 3076.	1.8	4
843	Adaptive Multilooking of Multitemporal Differential SAR Interferometric Data Stack Using Directional Statistics. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6706-6721.	2.7	10
844	Multi-scale deformation monitoring with Sentinel-1 InSAR analyses along the Middle Route of the South-North Water Diversion Project in China. International Journal of Applied Earth Observation and Geoinformation, 2021, 100, 102324.	1.4	20
845	Persistent Scatterer Interferometry and Statistical Analysis of Time-Series for Landslide Monitoring: Application to Santo Stefano d'Aveto (Liguria, NW Italy). Remote Sensing, 2021, 13, 3348.	1.8	6
846	Block PS-InSAR ground deformation estimation for large-scale areas based on network adjustment. Journal of Geodesy, 2021, 95, 1.	1.6	7
847	Observation of Surface Displacement Associated with Rapid Urbanization and Land Creation in Lanzhou, Loess Plateau of China with Sentinel-1 SAR Imagery. Remote Sensing, 2021, 13, 3472.	1.8	4
848	Land Subsidence in Beijing's Sub-Administrative Center and Its Relationship with Urban Expansion Inferred from Sentinel-1/2 Observations. Canadian Journal of Remote Sensing, 2021, 47, 802-817.	1.1	3
849	Statistical reinterpretation of the long term creep behaviour of the Ismetpasa segment of North Anatolian Fault, Turkey. Tectonophysics, 2021, 814, 228947.	0.9	0
850	Large-area ground deformation investigation over Taiyuan Basin, China 2007–2011 revealed by ALOS PALSAR imagery. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	2

#	Article	IF	CITATIONS
851	Estimation of ground subsidence of New Delhi, India using PS-InSAR technique and Multi-sensor Radar data. Advances in Space Research, 2022, 69, 1863-1882.	1.2	36
852	Recurrent neural networks for atmospheric noise removal from InSAR time series with missing values. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 180, 227-237.	4.9	22
853	PSInSAR and GNSS derived deformation study in the west part of Narmada Son Lineament (NSL), western India. Quaternary Science Advances, 2021, 4, 100035.	1.1	16
854	Orbit error removal in InSAR/MTInSAR with a patch-based polynomial model. International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102438.	1.4	6
855	Evaluating the state-of-the-art in remote volcanic eruption characterization Part I: Raikoke volcano, Kuril Islands. Journal of Volcanology and Geothermal Research, 2021, 419, 107354.	0.8	21
856	Monitoring of small-scale deformation at sea-filled Ordu-Giresun Airport, Turkey from multi-temporal SAR data. Engineering Failure Analysis, 2021, 130, 105738.	1.8	4
857	Assessment of the temporal–spatial evolution of subsidence and its driving mechanism in the Beijing Plain (China) by using SAR interferometry and geological data. Geomatics, Natural Hazards and Risk, 2021, 12, 2708-2735.	2.0	1
858	Toward Fine Surveillance: A review of multitemporal interferometric synthetic aperture radar for infrastructure health monitoring. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 207-230.	4.9	20
860	Long-Term Continuously Updated Deformation Time Series From Multisensor InSAR in Xi'an, China From 2007 to 2021. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 7297-7309.	2.3	12
861	A Novel Polarimetric PSI Method Using Trace Moment-Based Statistical Properties and Total Power Interferogram Construction. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	4
862	Identifying Causes of Urban Differential Subsidence in the Vietnamese Mekong Delta by Combining InSAR and Field Observations. Remote Sensing, 2021, 13, 189.	1.8	14
863	Analysis of Ground Deformation Detected Using the SBAS-DInSAR Technique in Umbria, Central Italy. , 2009, , 1425-1459.		3
864	The Use of Radar Interferometry in Landslide Monitoring. Environmental Science and Engineering, 2014, , 177-190.	0.1	3
866	DInSAR for the Monitoring of Cultural Heritage Sites. Geotechnologies and the Environment, 2017, , 117-134.	0.3	4
867	Remote Sensing Techniques in Landslide Mapping and Monitoring, Keynote Lecture., 2017,, 1-19.		10
868	Monitoring the Deep-Seated Landslides by Using ALOS/PALSAR Satellite Imagery in the Disaster Area of 2009 Typhoon Morakot, Taiwan. , 2017, , 239-247.		5
869	Monitoring Landslide Activities in the Three Gorges Area with Multi-frequency Satellite SAR Data Sets. , 2015, , 181-208.		7
870	Review of Radar Remote Sensing on Urban Areas. Remote Sensing and Digital Image Processing, 2010, , 1-47.	0.7	13

#	Article	IF	CITATIONS
871	Urban Applications of Persistent Scatterer Interferometry. Remote Sensing and Digital Image Processing, 2010, , 233-248.	0.7	13
872	SAR Interferometry. Encyclopedia of Earth Sciences Series, 2011, , 1041-1049.	0.1	2
873	Innovative Techniques for the Detection and Characterization of the Kinematics of Slow-Moving Landslides. Advances in Natural and Technological Hazards Research, 2014, , 31-56.	1.1	1
874	Integration of InSAR and GPR techniques for monitoring transition areas in railway bridges. NDT and E International, 2020, 115, 102291.	1.7	57
875	Analysis of the influence of groundwater on land subsidence in Beijing based on the geographical weighted regression (GWR) model. Science of the Total Environment, 2020, 738, 139405.	3.9	61
876	Measuring, modelling and projecting coastal land subsidence. Nature Reviews Earth & Environment, 2021, 2, 40-58.	12.2	118
877	Geostatistical Analysis and Mitigation of the Atmospheric Phase Screens in Ku-Band Terrestrial Radar Interferometric Observations of an Alpine Glacier. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 7533-7556.	2.7	11
878	Interferometric synthetic aperture radar phase unwrapping based on sparse Markov random fields by graph cuts. Journal of Applied Remote Sensing, $2018,12,1.$	0.6	7
879	Four-dimensional filtering of InSAR persistent scatterers elucidates subsidence induced by tunnel excavation in the Sri Lankan highlands. Journal of Applied Remote Sensing, 2019, 13, 1.	0.6	10
880	Locating and monitoring of landslides based on small baseline subset interferometric synthetic aperture radar. Journal of Applied Remote Sensing, 2019, 13, 1.	0.6	11
881	Surface deformation of Asama volcano, Japan, detected by time series InSAR combining persistent and distributed scatterers, 2014â€'2018. Earth, Planets and Space, 2019, 71, .	0.9	15
882	Seasonal and transient surface displacements in the Kumamoto area, Japan, associated with the 2016 Kumamoto earthquake: implications for seismic-induced groundwater level change. Earth, Planets and Space, 2020, 72, .	0.9	6
883	Linking land subsidence to soil types within Hue city in Central Vietnam. Journal of Vietnamese Environment, 2020, 12, 1-6.	0.2	2
884	Application of PSInSAR for assessment of surface deformations in post_mining area _ case study of the former Walbrzych Hard Coal Basin (SW Poland). Acta Geodynamica Et Geomaterialia, 2016, , 41-52.	0.3	11
885	Application of satellite radar interferometry (PSINSAR) in analysis of secondary surface deformations in mining areas case studies from Czech Republic and Poland. Acta Geodynamica Et Geomaterialia, 2018, , 173-185.	0.3	14
886	Evaluation of deformations in the urban area of Olsztyn using Sentinel-1 SAR interferometry. Acta Geodynamica Et Geomaterialia, 2019, , 5-18.	0.3	2
887	The Correlation of Spatial Distribution Between Surface Deformation and Landslides by SBAS-InSAR and Spatial Analysis in Longnan Region, China. Open Civil Engineering Journal, 2015, 9, 867-876.	0.4	2
888	Monitoring and Mapping of Shallow Landslides in a Tropical Environment Using Persistent Scatterer Interferometry: A Case Study from the Western Ghats, India. Geomatics, 2021, 1, 3-17.	1.0	7

#	Article	IF	CITATIONS
889	Integration of DInSAR and SBAS Techniques to Determine Mining-Related Deformations Using Sentinel-1 Data: The Case Study of RyduÅ, towy Mine in Poland. Remote Sensing, 2020, 12, 242.	1.8	96
890	Monitoring the Vertical Land Motion of Tide Gauges and Its Impact on Relative Sea Level Changes in Korean Peninsula Using Sequential SBAS-InSAR Time-Series Analysis. Remote Sensing, 2021, 13, 18.	1.8	9
891	Evaluation of the Trend of Deformation around the Kanto Region Estimated Using the Time Series of PALSAR-2 Data. Sensors, 2020, 20, 339.	2.1	12
892	A fuzzy identification method for persistent scatterers in PSInSAR technology. Mathematical Biosciences and Engineering, 2020, 17, 6928-6944.	1.0	3
893	Inflation of the Aira Caldera (Japan) detected over Kokubu urban area using SAR interferometry ERS data. EEarth, 2007, 2, 17-25.	0.8	2
894	EVALUATING THREE INSAR TIME-SERIES METHODS TO ASSESS CREEP MOTION, CASE STUDY: MASOULEH LANDSLIDE IN NORTH IRAN. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-1/W1, 223-228.	0.0	11
895	Monitoring of Building Construction by 4D Change Detection Using Multi-temporal SAR Images. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-1/W1, 35-42.	0.0	7
896	ADAPTIVE 4D PSI-BASED CHANGE DETECTION. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-3, 245-250.	0.0	4
897	LANDSLIDE MONITORING USING INSAR TIME-SERIES AND GPS OBSERVATIONS, CASE STUDY: SHABKOLA LANDSLIDE IN NORTHERN IRAN. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-1/W1, 487-492.	0.2	5
898	RESEARCH ON METHODS OF HIGH COHERENT TARGET EXTRACTION IN URBAN AREA BASED ON PSINSAR TECHNOLOGY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3, 901-908.	0.2	2
899	ANALYSIS OF X-BAND VERY HIGH RESOLUTION PERSISTENT SCATTERER INTERFEROMETRY DATA OVER URBAN AREAS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, $XL-1/W1$ , 47-51.	0.2	4
900	Detecting Subsidence Along a High Speed Railway by Ultrashort Baseline TCP-InSAR with High Resolution Images. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-7/W2, 61-65.	0.2	3
901	Assessment of slope stability using PS-InSAR technique. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-8, 35-38.	0.2	1
904	Different scale land subsidence and ground fissure monitoring with multiple InSAR techniques over Fenwei basin, China. Proceedings of the International Association of Hydrological Sciences, 0, 372, 305-309.	1.0	4
905	Multiple sensors applied to monitorland subsidence in Central Taiwan. Proceedings of the International Association of Hydrological Sciences, 0, 372, 385-391.	1.0	2
906	Combination with precise leveling and PSInSAR observations to quantify pumping-induced land subsidence in central Taiwan. Proceedings of the International Association of Hydrological Sciences, 0, 372, 77-82.	1.0	4
908	Deformation Mapping for Coal Mining Using Time-series InSAR Combining Persistent Scatterers and Distributed Scatterers in Huainan City, China., 2015,,.		1
909	Corner reflectors as the tie between InSAR and GNSS measurements: Case study of resource extraction in Australia. , $2015$ , , .		5

#	ARTICLE	IF	CITATIONS
910	An Efficient Interferometric Radar Altimeter (IRA) Signal Processing to Extract Precise Three-dimensional Ground Coordinates. Korean Journal of Remote Sensing, 2011, 27, 507-520.	0.4	9
911	Multi-Modal Data Fusion for Land-Subsidence Image Improvement in PSInSAR Analysis. IEEE Access, 2021, 9, 141970-141980.	2.6	4
912	Land Deformation at Longyao Ground Fissure and Its Surroundings Revealed by Time Series Insar. , 2021, , .		0
913	Monitoring Artificial Islands Subsidence in North Jakarta Using Persistent and Distributed Scatterers InSAR Analysis., 2021,,.		0
914	Land Subsidence Monitoring in Semarang, Indonesia through Optimized Hot Spot Analysis based on Time-Series InSAR Processing. , 2021, , .		2
915	Integrated Monitoring of a Slowly Moving Landslide Based on Total Station Measurements, Multi-Temporal Terrestrial Laser Scanning and Space-Borne Interferometric Synthetic Aperture Radar. , 2021, , .		1
916	Performance Assessment of InSAR-Based Vertical Displacement Monitoring of Sluices in Coastal Soft Soil Area. KSCE Journal of Civil Engineering, 2022, 26, 371.	0.9	3
917	Classifying Major Explosions and Paroxysms at Stromboli Volcano (Italy) from Space. Remote Sensing, 2021, 13, 4080.	1.8	11
918	Three-Dimensional Surface Deformation Characteristics Based on Time Series InSAR and GPS Technologies in Beijing, China. Remote Sensing, 2021, 13, 3964.	1.8	12
919	Inflation of Okmok Volcano During 2008–2020 From PS Analyses and Source Inversion With Finite Element Models. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022420.	1.4	3
920	Monitoring natural gas storage using Synthetic Aperture Radar: Are the residuals informative?. Geophysical Journal International, 0, , .	1.0	1
921	Seasonal Surface Fluctuation of a Slow-Moving Landslide Detected by Multitemporal Interferometry (MTI) on the Huafan University Campus, Northern Taiwan. Remote Sensing, 2021, 13, 4006.	1.8	6
922	Multi-temporal landslide activity investigation by spaceborne SAR interferometry: The case study of the Polish Carpathians. Remote Sensing Applications: Society and Environment, 2021, 24, 100629.	0.8	3
923	Time Evolution of Deformation Using Time Series of Differential Interferograms: Application to La Palma Island (Canary Islands)., 2008,, 1531-1554.		0
925	Application of ALOS and Envisat Data in Improving Multi-Temporal InSAR Methods for Monitoring Damavand Volcano and Landslide Deformation in the Center of Alborz Mountains, North Iran. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1/W3, 447-451.	0.2	0
926	Short Baseline TerraSAR-X PSI for Monitoring Subsidence of Highways and Railways, Case Study with Corner Reflectors. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-7/W2, 277-282.	0.2	0
927	Recent Advances in InSAR Image Processing and Analysis. , 2014, , 35-48.		0
929	Building a monitoring plan for a CO <sub>2</sub> injection site., 2014,,.		0

#	Article	IF	Citations
931	Efficacy of StaMPS technique for monitoring surface deformation in L'Aquila, Italy. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-8, 141-145.	0.2	2
932	Quarrying-induced subsidence investigated by combining contact and remote monitoring systems. , 2015, , .		0
933	Multi-temporal InSAR Analysis of Wenjiagou Landslide Using Distributed Scatterers., 2015,,.		0
934	DInSAR analysis reveals bulging of Azerbaijan mud volcano edifices before an eruption. , 2015, , .		0
935	Impact of BAQ level on InSAR performance of RADARSAT-2 extended swath beam modes , 2015, , .		1
936	CHANGE DETECTION BASED ON PERSISTENT SCATTERER INTERFEROMETRY – CASE STUDY OF MONITORING AN URBAN AREA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-3/W3, 123-130.	0.2	2
937	Terrain objects movement detection using SAR interferometry. Computer Research and Modeling, 2015, 7, 1047-1060.	0.2	0
938	Spatial-temporal variation of groundwater and land subsidence evolution in Beijing area. Proceedings of the International Association of Hydrological Sciences, 0, 372, 7-11.	1.0	0
939	DYKE MONITORIN BY THE MEANS OF PERSISTENT SCATTERING INTERFEROMETRY AT THE COAST OF NORTHERN GERMANY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-88, 169-173.	0.2	0
940	MULTI-TEMPORAL SAR INTERFEROMETRY FOR LANDSLIDE MONITORING. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B8, 55-58.	0.2	5
941	GROUND DEFORMATION MONITORING IN QINGDAO COASTAL AREAS BY TIME-SERIES TERRASAR-X IMAGES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B7, 29-33.	0.2	1
942	STACK NUMBER INFLUENCE ON THE ACCURACY OF ASTER GDEM (V2). International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W4, 173-177.	0.2	0
943	A Multi-Scale Approach for Estimating MT-InSAR Atmospheric Delay and Its Application. Geomatics Science and Technology, 2018, 06, 85-94.	0.2	0
944	ESTIMATING THE IMPACT OF URBAN EXPANSION ON LAND SUBSIDENCE USING TIME SERIES OF DMSP NIGHT-TIME LIGHT SATELLITE IMAGERY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3, 691-698.	0.2	1
945	Volcano Deformation: Insights into Magmatic Systems. , 2019, , 1-35.		0
946	Monitoring the Large Gradient Land Subsidence Caused by Oil Exploitation Based on StaMPS. Geomatics Science and Technology, 2019, 07, 74-82.	0.2	1
947	EVALUATION OF A PSI-BASED CHANGE DETECTION REGARDING SIMULATION, COMPARISON, AND APPLICATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W13, 1959-1965.	0.2	0
948	WORKABLE MONITORING SYSTEM BASED ON SPACEBORNE SAR IMAGES FOR MINING AREAS - STINGS DEVELOPMENT PROJECT. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W13, 1951-1957.	0.2	0

#	Article	IF	CITATIONS
949	The Aeolian Sand Dunes in Iraq: A New Insight. Springer Water, 2020, , 279-300.	0.2	2
950	Multisensory System Research for Large Area Deformation Based on Optical Measuring with UAV and Ground Visual Assists. Springer Series in Geomechanics and Geoengineering, 2020, , 450-459.	0.0	0
951	Investigation of ground deformation with PSInSAR approach in an unstable urban area Naples, Italy using X-band SAR images. , $2019, \dots$		2
952	Sar Interferometry. Encyclopedia of Earth Sciences Series, 2020, , 1-9.	0.1	0
953	Satellite SAR interferometry for monitoring dam deformations: the case of Evinos dam, central Greece., 2020, , .		1
954	STRATEGIES FOR PS PROCESSING OF LARGE SENTINEL-1 DATASETS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B1-2020, 99-106.	0.2	0
955	Assessment of subsidence phenomena for the Thatta, Jamshoro Districts, Southern Pakistan. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	0
956	Remote sensing of landslide motion with emphasis on satellite multi-temporal interferometry applications., 2022,, 365-438.		20
957	SAR Interferometry. Encyclopedia of Earth Sciences Series, 2020, , 1-9.	0.1	0
958	Radar Remote Sensing Applications in Egypt. Springer Geophysics, 2020, , 127-166.	0.9	1
959	Study on the Application Prospect of DS-InSAR Technology in Landslide Deformation Monitoring in Complex and Dangerous Mountainous Areas. Geomatics Science and Technology, 2020, 08, 106-113.	0.2	1
961	A Preliminary Study on the Use of Differential Interferometric Synthetic Aperture Radar (DInSAR) for Ground Subsidence Assessment., 2021,,.		0
962	SBAS-InSAR-Based Analysis of Surface Deformation in the Eastern Tianshan Mountains, China. Frontiers in Earth Science, 2021, 9, .	0.8	13
963	Monitoring aseismic fault creep using persistent urban geodetic markers generated from mobile laser scanning. ISPRS Open Journal of Photogrammetry and Remote Sensing, 2021, 2, 100009.	1.3	2
964	How to set up a dam monitoring system with PSInSAR and GPS. , 2020, , .		3
965	Research on Early Earth Disaster Recognition along Power Line Based on Multi-Source Satellite Remote Sensing. , 2021, , .		1
966	Mapping Urban Excavation Induced Deformation in 3D via Multiplatform InSAR Time-Series. Remote Sensing, 2021, 13, 4748.	1.8	3
967	High Performance Computing in Satellite SAR Interferometry: A Critical Perspective. Remote Sensing, 2021, 13, 4756.	1.8	10

#	Article	IF	CITATIONS
968	Land subsidence prediction using recurrent neural networks. Stochastic Environmental Research and Risk Assessment, 2022, 36, 373-388.	1.9	24
969	The June 2020 Aniangzhai landslide in Sichuan Province, Southwest China: slope instability analysis from radar and optical satellite remote sensing data. Landslides, 2022, 19, 313-329.	2.7	15
970	Investigation of deformations with the GNSS and PSInSAR methods. A rabian Journal of Geosciences, 2021, 14, 1.	0.6	4
971	Accuracy of Sentinel-1 PSI and SBAS InSAR Displacement Velocities against GNSS and Geodetic Leveling Monitoring Data. Remote Sensing, 2021, 13, 4800.	1.8	38
972	Detection of sinkhole activity in West-Central Florida using InSAR time series observations. Remote Sensing of Environment, 2022, 269, 112793.	4.6	17
973	Deformation monitoring and thematic mapping of the Badaling Great Wall using very high-resolution interferometric synthetic aperture radar data. International Journal of Applied Earth Observation and Geoinformation, 2021, 105, 102630.	1.4	3
974	Improved Combined Scatterers Interferometry With Optimized Point Scatterers (ICOPS) for Interferometric Synthetic Aperture Radar (InSAR) Time-Series Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	14
975	Deep Learning for the Detection and Phase Unwrapping of Mining-Induced Deformation in Large-Scale Interferograms. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	2.7	19
976	Identification, Measurement, Mapping, and Monitoring., 2022, , 83-119.		0
977	Study Flood Regime Using High Temporal Resolution Sentinel-1 Images. , 2020, , .		O
978	Multi-Temporal InSAR Monitoring of the Beninar Dam (SE Spain). , 2020, , .		2
979	Measurement of Coastal Land Motion of Tide Gauges at Korean Peninsula Using Sequential SBAS-Insar Technique. , 2020, , .		0
980	Determining the Source Location and Evolution of the May 2015 Summit Inflation Event at Kilauea Volcano Hawai'i. , 2020, , .		0
981	Retrieving Surface Deformation of the Qinghai-Tibet Railway Across Permafrost Areas from InSAR. , 2020, , .		2
982	A Deep Learning Based Method for Local Subsidence Detection and InSAR Phase Unwrapping: Application to Mining Deformation Monitoring. , 2020, , .		4
983	High-resolution bridge displacement monitoring using Time-seriesPS- InSAR technique. , 2020, , .		О
984	Assessment of Seismogeodynamic Activity of Mining Areas on the Basis of 3D Geoinformation Modeling. Russian Journal of Earth Sciences, 2021, 21, 1-12.	0.2	3
985	Tracking hidden crisis in India's capital from space: implications of unsustainable groundwater use. Scientific Reports, 2022, 12, 651.	1.6	33

#	Article	IF	CITATIONS
986	Integration of Numerical Models and InSAR Techniques to Assess Land Subsidence Due to Excessive Groundwater Abstraction in the Coastal and Lowland Regions of Semarang City. Water (Switzerland), 2022, 14, 201.	1.2	12
987	An InSAR and depth-integrated coupled model for potential landslide hazard assessment. Acta Geotechnica, 2022, 17, 3613-3632.	2.9	12
988	Polarimetric Persistent Scatterer Interferometry for Ground Deformation Monitoring with VV-VH Sentinel-1 Data. Remote Sensing, 2022, 14, 309.	1.8	9
989	Land Subsidence in the Texas Coastal Bend: Locations, Rates, Triggers, and Consequences. Remote Sensing, 2022, 14, 192.	1.8	17
990	Estimation, modeling, and prediction of land subsidence using Sentinel-1 time series in Tehran-Shahriar plain: A machine learning-based investigation. Remote Sensing Applications: Society and Environment, 2022, 25, 100691.	0.8	3
991	InSAR Crowdsourcing Annotation System With Volunteers Uploaded Photographs: Toward a Hazard Alerting System. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	2
992	Evolution Assessment of Mining Subsidence Characteristics Using SBAS and PS Interferometry in Sanshandao Gold Mine, China. Remote Sensing, 2022, 14, 290.	1.8	9
993	Compressed SAR Interferometry in the Big Data Era. Remote Sensing, 2022, 14, 390.	1.8	5
994	Ground Deformation Pattern Analysis and Evolution Prediction of Shanghai Pudong International Airport Based on PSI Long Time Series Observations. Remote Sensing, 2022, 14, 610.	1.8	15
995	Changes of Chinese Coastal Regions Induced by Land Reclamation as Revealed through TanDEM-X DEM and InSAR Analyses. Remote Sensing, 2022, 14, 637.	1.8	6
996	Monitoring Large-Scale Hydraulic Engineering Using Sentinel-1 InSAR: A Case Study of China's South-to-North Water Diversion Middle Route Project. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 739-750.	2.3	9
997	The Survey of Lava Tube Distribution in Jeju Island by Multi-Source Data Fusion. Remote Sensing, 2022, 14, 443.	1.8	0
998	Constraints on the hydrogeological properties and land subsidence through GNSS and InSAR measurements and well data in Salmas plain, northwest of Urmia Lake, Iran. Hydrogeology Journal, 2022, 30, 533-555.	0.9	7
999	Spatio-Temporal Quality Indicators for Differential Interferometric Synthetic Aperture Radar Data. Remote Sensing, 2022, 14, 798.	1.8	2
1000	Inversion of Groundwater Storage Variations Considering Lag Effect in Beijing Plain, from RadarSat-2 with SBAS-InSAR Technology. Remote Sensing, 2022, 14, 991.	1.8	9
1001	Present-Day Tectonic Deformation Partitioning Across South Tianshan From Satellite Geodetic Imaging. Frontiers in Earth Science, 2022, 9, .	0.8	1
1002	Efficient Identification and Monitoring of Landslides by Time-Series InSAR Combining Single- and Multi-Look Phases. Remote Sensing, 2022, 14, 1026.	1.8	54
1003	Coseismic Deformation Field Extraction and Fault Slip Inversion of the 2021 Yangbi MW 6.1 Earthquake, Yunnan Province, Based on Time-Series InSAR. Remote Sensing, 2022, 14, 1017.	1.8	4

#	Article	IF	CITATIONS
1004	Signals of Surface Deformation Areas in Central Chile, Related to Seismic Activity—Using the Persistent Scatterer Method and GIS. Applied Sciences (Switzerland), 2022, 12, 2575.	1.3	0
1005	Two-dimensional deformation monitoring of karst landslides in Zongling, China, with multi-platform distributed scatterer InSAR technique. Landslides, 2022, 19, 1767-1777.	2.7	9
1006	Presentâ€Day Surface Deformation of Sicily Derived From Sentinelâ€1 InSAR Timeâ€Series. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	1
1007	Subsidence in Coastal Cities Throughout the World Observed by InSAR. Geophysical Research Letters, 2022, 49, .	1.5	33
1008	Enhanced dynamic landslide hazard mapping using MT-InSAR method in the Three Gorges Reservoir Area. Landslides, 2022, 19, 1585-1597.	2.7	40
1009	Deformations monitoring in complicated-surface areas by adaptive distributed Scatterer InSAR combined with land cover: Taking the Jiaju landslide in Danba, China as an example. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 186, 102-122.	4.9	10
1010	Constructing a Large-Scale Urban Land Subsidence Prediction Method Based on Neural Network Algorithm from the Perspective of Multiple Factors. Remote Sensing, 2022, 14, 1803.	1.8	13
1011	Monitoring of construction-induced urban ground deformations using Sentinel-1 PS-InSAR: The case study of tunneling in Dangjin, Korea. International Journal of Applied Earth Observation and Geoinformation, 2022, 108, 102721.	1.4	10
1012	Surface Deformation Monitoring Induced by Volcanic Activity of Mount Agung, Indonesia, by PS-InSAR Using Sentinel-1 SAR from 2014-2021., 2021, , .		1
1013	Long-lived afterslip of the 2013 <i>M</i> w 6.1 Minab earthquake detected by Persistent Scatterer Interferometry along the Irer fault (western Makran-Zagros transition zone, Iran). Geophysical Journal International, 2021, 229, 171-185.	1.0	0
1014	Go Extra Miles: An Additional Error Correction Procedure Aimed to Further Improve Phase Unwrapping Accuracy and Reduce Creep Model Uncertainty. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	5
1015	Fault Geometry and Mechanism of the Mw 5.7 Nakchu Earthquake in Tibet Inferred from InSAR Observations and Stress Measurements. Remote Sensing, 2021, 13, 5142.	1.8	2
1016	On Closure Phase and Systematic Bias in Multilooked SAR Interferometry. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	2.7	15
1017	Land Subsidence in Qingdao, China, from 2017 to 2020 Based on PS-InSAR. International Journal of Environmental Research and Public Health, 2022, 19, 4913.	1.2	5
1018	Decomposing and mapping different scales of land subsidence over Shanghai with X- and C-Band SAR data stacks. International Journal of Digital Earth, 2022, 15, 478-502.	1.6	6
1021	VallnSAR: A Systematic Approach for the Validation of Differential SAR Interferometry in Land Subsidence Areas. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 3650-3671.	2.3	2
1022	Analysis of the common model error on velocity field under Colored noise model by GPS and InSAR: A case study in the Nepal and everest region. Geodesy and Geodynamics, 2022, 13, 399-414.	1.0	1
1023	Validation of a corner reflector installation at Cà te d'Azur multi-technique geodetic observatory. Advances in Space Research, 2022, , .	1.2	1

#	Article	IF	CITATIONS
1024	Surface Deformation of Expansive Soil at Ankang Airport, China, Revealed by InSAR Observations. Remote Sensing, 2022, 14, 2217.	1.8	8
1025	Lake surface area expansion: Insights into the role of volcano-tectonic processes, Lake Beseka, East Africa. Journal of Hydrology: Regional Studies, 2022, 41, 101093.	1.0	4
1026	Research on permanent scatterer extraction methods in differential SAR tomography. , 2022, , .		0
1027	Earthquake-induced landslide monitoring and survey by means of InSAR. Natural Hazards and Earth System Sciences, 2022, 22, 1609-1625.	1.5	3
1028	On the Exploitation of Remote Sensing Technologies for the Monitoring of Coastal and River Delta Regions. Remote Sensing, 2022, 14, 2384.	1.8	6
1029	A Review of Satellite Synthetic Aperture Radar Interferometry Applications in Permafrost Regions: Current status, challenges, and trends. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 93-114.	4.9	20
1030	A new algorithm for landslide dynamic monitoring with high temporal resolution by Kalman filter integration of multiplatform time-series InSAR processing. International Journal of Applied Earth Observation and Geoinformation, 2022, 110, 102812.	0.9	7
1031	Assessing spatio-temporal dynamics of large airport's surface stability. Geocarto International, 2022, 37, 13734-13747.	1.7	4
1032	Characteristics of land-subsidence evolution and soil deformation before and after the Water Diversion Project in Beijing, China. Hydrogeology Journal, 2022, 30, 1111-1134.	0.9	2
1033	Elastic and Inelastic Ground Deformation in Shanghai Lingang Area Revealed by Sentinel-1, Leveling, and Groundwater Level Data. Remote Sensing, 2022, 14, 2693.	1.8	5
1034	Automatic Extraction of Potential Landslides by Integrating an Optical Remote Sensing Image with an InSAR-Derived Deformation Map. Remote Sensing, 2022, 14, 2669.	1.8	10
1035	Detection and characterization of slow-moving landslides in the 2017 Jiuzhaigou earthquake area by combining satellite SAR observations and airborne Lidar DSM. Engineering Geology, 2022, 305, 106730.	2.9	15
1036	Land surface deformation monitoring in the Al-Ain arid region (UAE) using microgravity and SAR interferometry surveys. Environmental Research, 2022, 212, 113505.	3.7	5
1037	Use of LSTM for Sinkhole-Related Anomaly Detection and Classification of InSAR Deformation Time Series. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4559-4570.	2.3	18
1039	A model-backfeed deformation estimation method for revealing 20-year surface dynamics of the Groningen gas field using multi-platform SAR imagery. International Journal of Applied Earth Observation and Geoinformation, 2022, 111, 102847.	0.9	2
1040	Error analysis and 3D reconstruction using airborne array InSAR images. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 190, 113-128.	4.9	6
1041	Settlement Prediction of Reclaimed Coastal Airports with InSAR Observation: A Case Study of the Xiamen Xiang'an International Airport, China. Remote Sensing, 2022, 14, 3081.	1.8	4
1042	Are measured InSAR displacements a function of the chosen processing method?. Quarterly Journal of Engineering Geology and Hydrogeology, 0, , qjegh2022-049.	0.8	0

#	Article	IF	CITATIONS
1043	Time Series Multi-Sensors of Interferometry Synthetic Aperture Radar for Monitoring Ground Deformation. Frontiers in Environmental Science, $0,10,.$	1.5	13
1044	Research on time series InSAR monitoring method for multiple types of surface deformation in mining area. Natural Hazards, 2022, 114, 2479-2508.	1.6	12
1045	Characteristics of Freeze–Thaw Cycles in an Endorheic Basin on the Qinghai-Tibet Plateau Based on SBAS-InSAR Technology. Remote Sensing, 2022, 14, 3168.	1.8	8
1046	Mapping the Recent Vertical Crustal Deformation of the Weihe Basin (China) Using Sentinel-1 and ALOS-2 ScanSAR Imagery. Remote Sensing, 2022, 14, 3182.	1.8	7
1047	JPPL: A joint-polarization phase linking algorithm for phase optimization of TSPolInSAR data. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102889.	0.9	1
1048	Formation mechanism of ground fissure at Beijing Capital International Airport revealed by high-resolution InSAR and numerical modelling. Engineering Geology, 2022, 306, 106775.	2.9	7
1049	Land Subsidence Monitoring Method in Regions of Variable Radar Reflection Characteristics by Integrating PS-InSAR and SBAS-InSAR Techniques. Remote Sensing, 2022, 14, 3265.	1.8	21
1050	Characterization of Aquifer System and Groundwater Storage Change Due to South-to-North Water Diversion Project at Huairou Groundwater Reserve Site, Beijing, China, Using Geodetic and Hydrological Data. Remote Sensing, 2022, 14, 3549.	1.8	3
1051	Coherent pixel selection using a dual-channel 1-D CNN for time series InSAR analysis. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102927.	0.9	0
1052	Monitoring of geohazards using differential interferometric satellite aperture radar in Australia. International Journal of Remote Sensing, 2022, 43, 3769-3802.	1.3	5
1053	Spaceborne SAR remote sensing for hydrogeological risk monitoring. , 2022, , .		0
1054	Integrated Geomatics Surveying and Data Management in the Investigation of Slope and Fluvial Dynamics. Geosciences (Switzerland), 2022, 12, 293.	1.0	1
1055	Monitoring Subsidence over the Planned Jakarta–Bandung (Indonesia) High-Speed Railway Using Sentinel-1 Multi-Temporal InSAR Data. Remote Sensing, 2022, 14, 4138.	1.8	13
1056	Small baselines techniques of time series InSAR to monitor and predict land subsidence causing flood vulnerability in Sidoarjo, Indonesia. Geomatics, Natural Hazards and Risk, 2022, 13, 2124-2150.	2.0	5
1057	Sentinel-1 Persistent Scatterer Interferometric Synthetic Aperture Radar (PS-InSAR) for Long-Term Remote Monitoring of Ground Subsidence: A Case Study of a Port in Busan, South Korea. KSCE Journal of Civil Engineering, 2022, 26, 4317-4329.	0.9	4
1058	CAPS: A New Method for the Identification of Different Surface Displacements in Landslide and Subsidence Environments through Correlation Analysis on Persistent Scatterers Time-Series from PSI. Remote Sensing, 2022, 14, 3791.	1.8	1
1059	A Polarization Stacking Method for Optimizing Time-Series Interferometric Phases of Distributed Scatterers. Remote Sensing, 2022, 14, 4168.	1.8	3
1060	SAR-based Subsidence Monitoring and Assessment of the Factors Involved in the Occurrence of Subsidence, Lahore City. Journal of Resources and Ecology, 2022, 13, .	0.2	0

#	Article	IF	Citations
1061	Inferring Mass Loss by Measuring Contemporaneous Deformation around the Helheim Glacier, Southeastern Greenland, Using Sentinel-1 InSAR. Remote Sensing, 2022, 14, 3956.	1.8	1
1062	The influence of groundwater levels on land subsidence in Karaman (Turkey) using the PS-InSAR technique. Advances in Space Research, 2022, 70, 3568-3581.	1.2	8
1063	A hybrid method for MT-InSAR phase unwrapping for deformation monitoring in urban areas. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102963.	0.9	3
1064	Urban Surface Deformation Management: Assessing Dangerous Subsidence Areas through Regional Surface Deformation, Natural Factors, and Human Activities. Sustainability, 2022, 14, 10487.	1.6	3
1065	Assessment of Urban Subsidence in the Lisbon Metropolitan Area (Central-West of Portugal) Applying Sentinel-1 SAR Dataset and Active Deformation Areas Procedure. Remote Sensing, 2022, 14, 4084.	1.8	1
1066	Seismological and InSAR based investigations to characterise earthquake swarms in Jamnagar, Gujarat, India – An active intraplate region. Journal of Asian Earth Sciences: X, 2022, 8, 100118.	0.6	0
1067	Spaceborne InSAR mapping of landslides and subsidence in rapidly deglaciating terrain, Glacier Bay National Park and Preserve and vicinity, Alaska and British Columbia. Remote Sensing of Environment, 2022, 281, 113231.	4.6	7
1068	Scientific challenges in disaster risk reduction for the Sichuan–Tibet Railway. Engineering Geology, 2022, 309, 106837.	2.9	54
1069	Assessment of the Contribution of Polarimetric Persistent Scatterer Interferometry on Sentinel-1 Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 7997-8009.	2.3	3
1070	Mapping the 2021 October Flood Event in the Subsiding Taiyuan Basin by Multitemporal SAR Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 7515-7524.	2.3	2
1071	Phase Estimation for Distributed Scatterers by Alternating Projection. IEEE Journal on Miniaturization for Air and Space Systems, 2022, 3, 204-210.	1.9	2
1072	Predictable Condition Analysis and Prediction Method of SBAS-InSAR Coal Mining Subsidence. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	4
1073	Accurate Persistent Scatterer Identification Based on Phase Similarity of Radar Pixels. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	6
1074	The Conceptual Framework of Long-Term Infrastructure Monitoring in Thailand. , 2022, , .		0
1075	Vertical Land Motion Monitoring at Tide Gauges in Korean Peninsula using Sequential Sbas-Insar. , 2022, , .		0
1076	Persistent Scatterer Selection based on Phase Similarity of Radar Pixels. , 2022, , .		0
1077	The Filling Process of an Embankment Dam Monitored with PSI., 2022, , .		0
1078	Fully Automatic Persistent Scatterer Interferometry Processing Framework Using Snap, Stamps and High Performance Computing. , 2022, , .		0

#	Article	IF	CITATIONS
1079	Characterization of the Land Deformation Induced by Groundwater Withdrawal and Aquifer Parameters Using InSAR Observations in the Xingtai Plain, China. Remote Sensing, 2022, 14, 4488.	1.8	3
1080	Monitoring glaciers in the Chenab basin with SBAS InSAR technology. Journal of Mountain Science, 2022, 19, 2622-2633.	0.8	2
1081	Magmatic inflation, miniature dyke intrusion and prolonged torrential rainfall led to the emergence of the 2018 aseismic fissure in Kenya. Natural Hazards, $0,$	1.6	2
1082	Remote Sensing of Groundwater: Current Capabilities and Future Directions. Water Resources Research, 2022, 58, .	1.7	8
1083	Water-temperature controlled deformation patterns in Heifangtai loess terraces revealed by wavelet analysis of InSAR time series and hydrological parameters. Frontiers in Environmental Science, 0, 10, .	1.5	1
1084	Landslide Identification and Gradation Method Based on Statistical Analysis and Spatial Cluster Analysis. Remote Sensing, 2022, 14, 4504.	1.8	6
1086	Deformation Extraction Method of Transmission Tower Foundation using PS-InSAR., 2022,,.		0
1087	Deformation Monitoring of High-voltage Transmission Lines in Huaihua based on DSInSAR Technology. , 2022, , .		0
1088	Damage to anthropic elements estimation due to large slope instabilities through multi-temporal A-DInSAR analysis. Natural Hazards, 0, , .	1.6	1
1089	Spatial and temporal characteristics analysis for land subsidence in Shanghai coastal reclamation area using PS-InSAR method. Frontiers in Marine Science, 0, 9, .	1.2	6
1090	Two-dimensional deformation monitoring for spatiotemporal evolution and failure mode of Lashagou landslide group, Northwest China. Landslides, 2023, 20, 447-459.	2.7	6
1091	Measurement of surface deformation related to the December 2018 Mt. Etna eruption using time-series interferometry and magma modeling for hazard zone mapping. Geosciences Journal, 2022, 26, 749-765.	0.6	1
1092	Review of satellite radar interferometry for subsidence analysis. Earth-Science Reviews, 2022, 235, 104239.	4.0	20
1093	InSAR Time-Series Analysis With a Non-Gaussian Detector for Persistent Scatterers. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 9208-9225.	2.3	5
1094	Mapping and characterizing land deformation during 2007–2011 over the Gulf Coast by L-band InSAR. Remote Sensing of Environment, 2023, 284, 113342.	4.6	8
1095	Contribution of anthropogenic consolidation processes to subsidence phenomena from multi-temporal DInSAR: a GIS-based approach. GIScience and Remote Sensing, 2022, 59, 1901-1917.	2.4	4
1096	<scp>GPS</scp> and <scp>InSAR</scp> derived evidences of intraâ€basin stress and strikeâ€slip tectonics in the vicinity of 2001 ( <scp>M7</scp> .7) earthquake, Kachchh, western India. Geological Journal, 2023, 58, 683-699.	0.6	3
1097	Monitoring spatiotemporal evolution of Kaiyang landslides induced by phosphate mining using distributed scatterers InSAR technique. Landslides, 2023, 20, 695-706.	2.7	8

#	Article	IF	CITATIONS
1098	Ground Deformation in Yuxi Basin Based on Atmosphere-Corrected Time-Series InSAR Integrated with the Latest Meteorological Reanalysis Data. Remote Sensing, 2022, 14, 5638.	1.8	2
1099	Urban hazards caused by ground deformation and building subsidence over fossil lake beds: a study from Taipei City. Geomatics, Natural Hazards and Risk, 2022, 13, 2890-2910.	2.0	1
1100	Investigating deformation along metro lines in coastal cities considering different structures with InSAR and SBM analyses. International Journal of Applied Earth Observation and Geoinformation, 2022, 115, 103099.	0.9	0
1101	Urban Subsidence monitoring in Pohang city using time-series InSAR technique. , 2022, , .		1
1102	SNAPPING Services on the Geohazards Exploitation Platform for Copernicus Sentinel-1 Surface Motion Mapping. Remote Sensing, 2022, 14, 6075.	1.8	2
1103	Tracking the evolution of the summit lava dome of Merapi volcano between 2018 and 2019 using DEMs derived from TanDEM-X and PIéiades data. Journal of Volcanology and Geothermal Research, 2023, 433, 107732.	0.8	2
1104	A Framework for the Sustainable Risk Assessment of In-river Hydraulic Structures: A Case Study of Taiwan's Daan River. Journal of Hydrology, 2022, , 129028.	2.3	0
1105	Effects of South-to-North Water Diversion Project on groundwater and land subsidence in Beijing, China. Bulletin of Engineering Geology and the Environment, 2023, 82, .	1.6	4
1106	Non-linear phase linking using joined distributed and persistent scatterers. Computers and Geosciences, 2023, 171, 105291.	2.0	5
1107	The long-term failure processes of a large reactivated landslide in the Xiluodu reservoir area based on InSAR technology. Frontiers in Earth Science, 0, $10$ , .	0.8	1
1108	Analysis of the characteristics and causations of surface deformation based on TS-InSAR: a case study of Jimo district, China. Environmental Science and Pollution Research, 0, , .	2.7	1
1109	Mapping of Mean Deformation Rates Based on APS-Corrected InSAR Data Using Unsupervised Clustering Algorithms. Remote Sensing, 2023, 15, 529.	1.8	5
1110	Multi-Temporal InSAR Deformation Monitoring Zongling Landslide Group in Guizhou Province Based on the Adaptive Network Method. Sustainability, 2023, 15, 894.	1.6	1
1111	Landslide susceptibility evaluation integrating weight of evidence model and InSAR results, west of Hubei Province, China. Egyptian Journal of Remote Sensing and Space Science, 2023, 26, 95-106.	1.1	1
1112	An integrated approach for risk assessment of land subsidence in Xi'an, China using optical and radar satellite images. Engineering Geology, 2023, 314, 106983.	2.9	7
1113	Accessing the Time-Series Two-Dimensional Displacements around a Reservoir Using Multi-Orbit SAR Datasets: A Case Study of Xiluodu Hydropower Station. Remote Sensing, 2023, 15, 168.	1.8	1
1114	Urban surface deformation monitoring and prediction by integrating SBAS-InSAR and Elman neural network. Survey Review, 2024, 56, 18-31.	0.7	1
1115	Large-Scale Land Deformation Monitoring over Southern California with Multi-Path SAR Data. Remote Sensing, 2023, 15, 143.	1.8	O

#	Article	IF	CITATIONS
1116	MLE-MPPL: A Maximum Likelihood Estimator for Multipolarimetric Phase Linking in MTInSAR. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-13.	2.7	1
1117	Integration of differential interferometric synthetic aperture radar and persistent scatterer interferometric approaches to assess deformation in enshi city, hubei, China. Frontiers in Earth Science, $0,11,1$	0.8	0
1118	A SqueeSAR Spatially Adaptive Filtering Algorithm Based on Hadoop Distributed Cluster Environment. Applied Sciences (Switzerland), 2023, 13, 1869.	1.3	1
1119	Radar Sensing of Merapi Volcano. Active Volcanoes of the World, 2023, , 437-456.	1.0	2
1120	Comparison of tropospheric delay correction methods for InSAR analysis using a mesoscale meteorological model: a case study from Japan. Earth, Planets and Space, 2023, 75, .	0.9	2
1121	Deformation and potential failure analysis of a giant old deposit in the southeastern margin of the Qinghai-Tibet Plateau based on SBAS-InSAR and numerical simulation. Bulletin of Engineering Geology and the Environment, 2023, 82, .	1.6	1
1122	InSAR-Based Active Landslide Detection and Characterization Along the Upper Reaches of the Yellow River. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 3819-3830.	2.3	4
1123	Mining Ground Deformation Estimation Based on Pre-Processed InSAR Open Data—A Norwegian Case Study. Minerals (Basel, Switzerland), 2023, 13, 328.	0.8	2
1124	Identification of land subsidence hazard in asadabad plain using the PS-InSAR method and its relationship with the geological characteristics. Natural Hazards, 0, , .	1.6	1
1125	Land Subsidence Assessment of an Archipelago Based on the InSAR Time Series Analysis Method. Water (Switzerland), 2023, 15, 465.	1.2	4
1126	Toward sustainable inland aquaculture: Coastal subsidence monitoring in Taiwan. Remote Sensing Applications: Society and Environment, 2023, 30, 100930.	0.8	0
1127	InSAR-derived surface deformation of Chaoshan Plain, China: Exploring the role of human activities in the evolution of coastal landscapes. Geomorphology, 2023, 426, 108606.	1.1	6
1128	Monitoring nonlinear and fast deformation caused by underground mining exploitation using multi-temporal Sentinel-1 radar interferometry and corner reflectors: application, validation and processing obstacles. International Journal of Digital Earth, 2023, 16, 251-271.	1.6	5
1129	Time-series surface deformation monitoring and analysis in mining area based on StaMPS technology. , 2023, , .		0
1130	Determination of periodic deformation from InSAR results using the FFT time series analysis method in Gediz Graben. Natural Hazards, 2023, 117, 491-517.	1.6	3
1131	Proposal of Study on InSAR-Based Land Subsidence Analysis as Basis for Subsequent Hydro-mechanical Modeling: A Case Study of Hanoi, Vietnam. Environmental Science and Engineering, 2023, , 535-548.	0.1	0
1132	Revealing Land Surface Deformation Over the Yineng Backfilling Mining Area, China, by Integrating Distributed Scatterer SAR Interferometry and a Mining Subsidence Model. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 3611-3634.	2.3	8
1133	Substantial carbon sequestration by peatlands in temperate areas revealed by InSAR. Environmental Research Letters, 2023, 18, 044012.	2.2	2

#	Article	IF	Citations
1134	Ground Surface Deformation Analysis Integrating InSAR and GPS Data in the Karstic Terrain of Cheria Basin, Algeria. Remote Sensing, 2023, 15, 1486.	1.8	1
1135	On The Long-Term Stability of the Norilsk TPP-3 Fuel Tanks Dynamics According to Sentinel-1 SAR Data. Izvestiya - Atmospheric and Oceanic Physics, 2022, 58, 1599-1609.	0.2	0
1136	Land Subsidence in Ho Chi Minh City and the Mekong Delta Region, Vietnam. Advances in Environmental Engineering and Green Technologies Book Series, 2023, , 39-64.	0.3	0
1137	Impact of Climate Change Parameters on Groundwater Level: Implications for Two Subsidence Regions in Iran Using Geodetic Observations and Artificial Neural Networks (ANN). Remote Sensing, 2023, 15, 1555.	1.8	7
1138	Extraction and Analysis of Radar Scatterer Attributes for PAZ SAR by Combining Time Series InSAR, PolSAR, and Land Use Measurements. Remote Sensing, 2023, 15, 1571.	1.8	0
1139	Extending polarimetric optimization of multi-temporal InSAR techniques on dual polarized Sentinel-1 data. Advances in Space Research, 2023, 72, 349-360.	1.2	3
1140	Karst landslides detection and monitoring with multiple SAR data and multi-dimensional SBAS technique in Shuicheng, Guizhou, China. Frontiers in Earth Science, 0, $11$ , .	0.8	1
1141	An Efficient Polarimetric Persistent Scatterer Interferometry Algorithm for Dual-Pol Sentinel-1 Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 3336-3352.	2.3	1
1142	EZ-InSAR: An easy-to-use open-source toolbox for mapping ground surface deformation using satellite interferometric synthetic aperture radar. Earth Science Informatics, 2023, 16, 1929-1945.	1.6	5
1143	Ground Displacements in NY Using Persistent Scatterer Interferometric Synthetic Aperture Radar and Comparison of X- and C-Band Data. Remote Sensing, 2023, 15, 1815.	1.8	O
1144	Understanding the Spatial-Temporal Characteristics of Land Subsidence in Shenzhen under Rapid Urbanization Based on MT-InSAR. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, , 1-13.	2.3	0
1145	Monitoring of tectonic deformation in the seismic gap of the Mentawai Islands using ALOS-1 and ALOS-2. Remote Sensing Applications: Society and Environment, 2023, 30, 100973.	0.8	1
1146	Sequential DS-ISBAS InSAR Deformation Parameter Dynamic Estimation and Quality Evaluation. Remote Sensing, 2023, 15, 2097.	1.8	1
1147	Landslide detection in Kinnaur Valley, NW India using PS-InSAR technique. Physical Geography, 2024, 45, 160-174.	0.6	1
1158	InSAR technical aspects., 2023,, 27-62.		0
1159	Synthetic aperture radar interferometry. , 2023, , 7-26.		0
1179	The application of SBAS-INSAR technology in the identification and monitoring of geological hidden points of transmission line channels in southwest mountainous areas., 2023,,.		0
1190	Impact assessment of the catastrophic earthquakes of 6 February 2023 in Turkey and Syria via the exploitation of satellite datasets. , 2023, , .		0

#	Article	IF	CITATIONS
1198	INRAE TomoSAR service: a free scientific calculation on persistent and distributed scatterers radar interferometry. , 2023, , .		0
1199	Monitoring the Coastal Subsidence Areas and Critical Infrastructures Along Southeast Korea using Sequential Time-Series InSAR Analysis. , 2023, , .		0
1200	Monitoring Dam Stability Using PSI and SBAS Analysis. , 2023, , .		0
1201	A Novel Algorithm for Point Coherence Estimation in SAR Interferometry. , 2023, , .		0
1202	Estimation Spatial Distribution Probability of Persistent Scatterer on Land Cover with Bayesian Modification. , 2023, , .		0
1203	A New Method for Reconstructing Decorrelated Insar Phase Measurements Over Densely Vegetated Natural Terrain., 2023,,.		0
1204	Land Subsidence over Densely Vegetated Aquifers in Texas and California., 2023,,.		0
1205	InSAR Coupled with UAV-Based Infrared Thermography in the Context of Bridge Monitoring. , 2023, , .		0
1242	DInSAR-based assessment of groundwater-induced land subsidence zonation map., 2024, , 5-39.		0
1243	Study of groundwater changes and surface subsidence using GRACE and Sentinel-1 inversion., 2024,,.		0