

Zhong Lu

List of Publications by Year in descending order

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162
papers

6,978
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61945

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169
docs citations

169
times ranked

3801
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping land subsidence and aquifer system properties of the Willcox Basin, Arizona, from InSAR observations and independent component analysis. <i>Remote Sensing of Environment</i> , 2022, 271, 112894.	4.6	37
2	Analyzing the triggering factors of glacial lake outburst floods with SAR and optical images: a case study in Jinweng Co, Tibet, China. <i>Landslides</i> , 2022, 19, 855-864.	2.7	4
3	Kinematics of Irrigation-Induced Landslides in a Washington Desert: Impacts of Basal Geometry. <i>Journal of Geophysical Research F: Earth Surface</i> , 2022, 127, .	1.0	3
4	A Graph Convolutional Incorporating GRU Network for Landslide Displacement Forecasting Based on Spatiotemporal Analysis of GNSS Observations. <i>Remote Sensing</i> , 2022, 14, 1016.	1.8	20
5	Multi-dimensional and long-term time series monitoring and early warning of landslide hazard with improved cross-platform SAR offset tracking method. <i>Science China Technological Sciences</i> , 2022, 65, 1891-1912.	2.0	11
6	Mapping the Recent Vertical Crustal Deformation of the Weihe Basin (China) Using Sentinel-1 and ALOS-2 ScanSAR Imagery. <i>Remote Sensing</i> , 2022, 14, 3182.	1.8	7
7	Landslide monitoring and runout hazard assessment by integrating multi-source remote sensing and numerical models: an application to the Gold Basin landslide complex, northern Washington. <i>Landslides</i> , 2021, 18, 1131-1141.	2.7	22
8	Taking the pulse of aging oil wells in the Permian Basin from space. <i>Science of the Total Environment</i> , 2021, 757, 143932.	3.9	0
9	Modelling and predicting landslide displacements and uncertainties by multiple machine-learning algorithms: application to Baishuihe landslide in Three Gorges Reservoir, China. <i>Geomatics, Natural Hazards and Risk</i> , 2021, 12, 741-762.	2.0	18
10	Modeling Magma System Evolution During 2006-2007 Volcanic Unrest of Atka Volcanic Center, Alaska. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020158.	1.4	6
11	Suppression of Coherence Matrix Bias for Phase Linking and Ambiguity Detection in MTInSAR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 1263-1274.	2.7	14
12	A Framework for Studying Hydrology-Driven Landslide Hazards in Northwestern US Using Satellite InSAR, Precipitation and Soil Moisture Observations: Early Results and Future Directions. <i>GeoHazards</i> , 2021, 2, 17-40.	0.8	10
13	Integration of Sentinel-1 and ALOS/PALSAR-2 SAR datasets for mapping active landslides along the Jinsha River corridor, China. <i>Engineering Geology</i> , 2021, 284, 106033.	2.9	88
14	Analysis of Groundwater Depletion/Inflation and Freeze-Thaw Cycles in the Northern Urumqi Region with the SBAS Technique and an Adjusted Network of Interferograms. <i>Remote Sensing</i> , 2021, 13, 2144.	1.8	5
15	Multifault Opposing-Dip Strike-Slip and Normal-Fault Rupture During the 2020 Mw 6.5 Stanley, Idaho Earthquake. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092510.	1.5	13
16	InSAR monitoring of creeping landslides in mountainous regions: A case study in Eldorado National Forest, California. <i>Remote Sensing of Environment</i> , 2021, 258, 112400.	4.6	59
17	Quantifying Eruptive and Background Seismicity, Deformation, Degassing, and Thermal Emissions at Volcanoes in the United States During 1978-2020. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021684.	1.4	1
18	Geologic controls of slow-moving landslides near the US West Coast. <i>Landslides</i> , 2021, 18, 3353.	2.7	11

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19	Investigating Ground Subsidence and the Causes over the Whole Jiangsu Province, China Using Sentinel-1 SAR Data. <i>Remote Sensing</i> , 2021, 13, 179.	1.8	11
20	Long-Term Continuously Updated Deformation Time Series From Multisensor InSAR in Xi'an, China From 2007 to 2021. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 7297-7309.	2.3	12
21	Inflation of Okmok Volcano During 2008–2020 From PS Analyses and Source Inversion With Finite Element Models. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022420.	1.4	3
22	Three-dimensional and long-term landslide displacement estimation by fusing C- and L-band SAR observations: A case study in Gongjue County, Tibet, China. <i>Remote Sensing of Environment</i> , 2021, 267, 112745.	4.6	32
23	P-Band InSAR for Geohazard Detection over Forested Terrains: Preliminary Results. <i>Remote Sensing</i> , 2021, 13, 4575.	1.8	7
24	GeoHazards: A New Interdisciplinary Journal Devoted to the Study of Geomorphological Hazards. <i>GeoHazards</i> , 2020, 1, 1-2.	0.8	1
25	Sequential Estimation of Dynamic Deformation Parameters for SBAS-InSAR. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020, 17, 1017-1021.	1.4	20
26	Twelve-Year Dynamics and Rainfall Thresholds for Alternating Creep and Rapid Movement of the Hooskanaden Landslide From Integrating InSAR, Pixel Offset Tracking, and Borehole and Hydrological Measurements. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2020JF005640.	1.0	15
27	InSAR Signal and Data Processing. <i>Sensors</i> , 2020, 20, 3801.	2.1	1
28	Ground Deformation of Wuhan, China, Revealed by Multi-Temporal InSAR Analysis. <i>Remote Sensing</i> , 2020, 12, 3788.	1.8	23
29	Remote Sensing of Volcanic Processes and Risk. <i>Remote Sensing</i> , 2020, 12, 2567.	1.8	14
30	Three-Dimensional Time Series Movement of the Cuolangma Glaciers, Southern Tibet with Sentinel-1 Imagery. <i>Remote Sensing</i> , 2020, 12, 3466.	1.8	11
31	Co-Seismic and Post-Seismic Temporal and Spatial Gravity Changes of the 2010 Mw 8.8 Maule Chile Earthquake Observed by GRACE and GRACE Follow-on. <i>Remote Sensing</i> , 2020, 12, 2768.	1.8	6
32	Remote Sensing Applications in Monitoring of Protected Areas. <i>Remote Sensing</i> , 2020, 12, 1370.	1.8	11
33	Can InSAR Coherence and Closure Phase Be Used to Estimate Soil Moisture Changes?. <i>Remote Sensing</i> , 2020, 12, 1511.	1.8	7
34	A Novel Change Detection Method Based on Statistical Distribution Characteristics Using Multi-Temporal PolSAR Data. <i>Sensors</i> , 2020, 20, 1508.	2.1	7
35	Modeling InSAR Phase and SAR Intensity Changes Induced by Soil Moisture. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 4967-4975.	2.7	14
36	A constrained small baseline subsets (CSBAS) InSAR technique for multiple subsets. <i>European Journal of Remote Sensing</i> , 2020, 53, 14-26.	1.7	5

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37	The 2014 Mw 6.1 Ludian Earthquake: The Application of RADARSAT-2 SAR Interferometry and GPS for this Conjugated Ruptured Event. <i>Remote Sensing</i> , 2020, 12, 99.	1.8	9
38	Deformation of the Baige Landslide, Tibet, China, Revealed Through the Integration of Cross-Platform ALOS/PALSAR-1 and ALOS/PALSAR-2 SAR Observations. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086142.	1.5	36
39	A Closed-Form Robust Cluster-Analysis-Based Multibaseline InSAR Phase Unwrapping and Filtering Algorithm With Optimal Baseline Combination Analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 4251-4262.	2.7	26
40	Modeling the Postruptive Deformation at Okmok Based on the GPS and InSAR Time Series: Changes in the Shallow Magma Storage System. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB017801.	1.4	14
41	Multi-Scale and Multi-Dimensional Time Series InSAR Characterizing of Surface Deformation over Shandong Peninsula, China. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2294.	1.3	17
42	Influence of the Statistical Properties of Phase and Intensity on Closure Phase. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 7346-7354.	2.7	12
43	Toward Mitigating Stratified Tropospheric Delays in Multitemporal InSAR: A Quadtree Aided Joint Model. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 291-303.	2.7	46
44	Minimizing Height Effects in MTInSAR for Deformation Detection Over Built Areas. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 9167-9176.	2.7	7
45	Diagnosis of Xinmo (China) Landslide Based on Interferometric Synthetic Aperture Radar Observation and Modeling. <i>Remote Sensing</i> , 2019, 11, 1846.	1.8	19
46	Nonparametric Estimation of DEM Error in Multitemporal InSAR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 10004-10014.	2.7	19
47	Mobility, Thickness, and Hydraulic Diffusivity of the Slow-Moving Monroe Landslide in California Revealed by L-Band Satellite Radar Interferometry. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 7504-7518.	1.4	47
48	Hindcasting Magma Reservoir Stability Preceding the 2008 Eruption of Okmok, Alaska. <i>Geophysical Research Letters</i> , 2019, 46, 8801-8808.	1.5	19
49	Semi-automatic selection of optimum image pairs based on the interferometric coherence for time series SAR interferometry. <i>Remote Sensing Letters</i> , 2019, 10, 1105-1112.	0.6	5
50	Interferometric synthetic aperture radar study of recent eruptive activity at Shrub mud volcano, Alaska. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 387, 106671.	0.8	2
51	Resolving Teleseismic Earthquake Catalog and InSAR Data Discrepancies in Absolute Space to Explore Rupture Complexity Along the Ecuadorian Megathrust Fault. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 6703-6719.	1.4	5
52	Identify and Monitor Growth Faulting Using InSAR over Northern Greater Houston, Texas, USA. <i>Remote Sensing</i> , 2019, 11, 1498.	1.8	20
53	Research on Spatiotemporal Land Deformation (2012-2018) over Xi'an, China, with Multi-Sensor SAR Datasets. <i>Remote Sensing</i> , 2019, 11, 664.	1.8	25
54	Monitoring volcano slope instability with Synthetic Aperture Radar: A review and new data from Pacaya (Guatemala) and Stromboli (Italy) volcanoes. <i>Earth-Science Reviews</i> , 2019, 192, 236-257.	4.0	64

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55	Source Parameter Estimation of the 2009 Ms6.0 Yao'an Earthquake, Southern China, Using InSAR Observations. <i>Remote Sensing</i> , 2019, 11, 462.	1.8	8
56	Subsidence of sinkholes in Wink, Texas from 2007 to 2011 detected by time-series InSAR analysis. <i>Geomatics, Natural Hazards and Risk</i> , 2019, 10, 1125-1138.	2.0	14
57	Wastewater leakage in West Texas revealed by satellite radar imagery and numerical modeling. <i>Scientific Reports</i> , 2019, 9, 14601.	1.6	21
58	Space-Based Imaging Radar Studies of U.S. Volcanoes. <i>Frontiers in Earth Science</i> , 2019, 6, .	0.8	15
59	Characterizing Seasonally Rainfall-Driven Movement of a Translational Landslide using SAR Imagery and SMAP Soil Moisture. <i>Remote Sensing</i> , 2019, 11, 2347.	1.8	19
60	Characterization of the Kinematics of Three Bears Landslide in Northern California Using L-band InSAR Observations. <i>Remote Sensing</i> , 2019, 11, 2726.	1.8	5
61	High Rates of Inflation During a Noneruptive Episode of Seismic Unrest at Semisopochnoi Volcano, Alaska in 2014-2015. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 6163-6186.	1.0	9
62	Evolution of sinkholes over Wink, Texas, observed by high-resolution optical and SAR imagery. <i>Remote Sensing of Environment</i> , 2019, 222, 119-132.	4.6	30
63	Ground deformation and fissure activity in Datong basin, China 2007-2010 revealed by multi-track InSAR. <i>Geomatics, Natural Hazards and Risk</i> , 2019, 10, 465-482.	2.0	15
64	A New InSAR Persistent Scatterer Selection Technique Using Top Eigenvalue of Coherence Matrix. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 1969-1978.	2.7	11
65	Deformation patterns, magma supply, and magma storage at Karymsky Volcanic Center, Kamchatka, Russia, 2000-2010, revealed by InSAR. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 352, 106-116.	0.8	11
66	Combining InSAR and GPS to Determine Transient Movement and Thickness of a Seasonally Active Low-Gradient Translational Landslide. <i>Geophysical Research Letters</i> , 2018, 45, 1453-1462.	1.5	62
67	Association between localized geohazards in West Texas and human activities, recognized by Sentinel-1A/B satellite radar imagery. <i>Scientific Reports</i> , 2018, 8, 4727.	1.6	30
68	Multi-Temporal Loess Landslide Inventory Mapping with C-, X- and L-Band SAR Datasets-A Case Study of Heifangtai Loess Landslides, China. <i>Remote Sensing</i> , 2018, 10, 1756.	1.8	62
69	Present-day crustal deformation characteristics of the southeastern Tibetan Plateau and surrounding areas by using GPS analysis. <i>Journal of Asian Earth Sciences</i> , 2018, 163, 22-31.	1.0	20
70	Characterization of Hydrogeological Properties in Salt Lake Valley, Utah, using InSAR. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 1257-1271.	1.0	38
71	Mapping Pyroclastic Flow Inundation Using Radar and Optical Satellite Images and Lahar Modeling. <i>Journal of Sensors</i> , 2018, 2018, 1-12.	0.6	0
72	Crustal deformation and strain fields of the Weihe Basin and surrounding area of central China based on GPS observations and kinematic models. <i>Journal of Geodynamics</i> , 2018, 120, 1-10.	0.7	11

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73	Landslide Identification and Monitoring along the Jinsha River Catchment (Wudongde Reservoir Area), China, Using the InSAR Method. <i>Remote Sensing</i> , 2018, 10, 993.	1.8	102
74	L-Band Temporal Coherence Assessment and Modeling Using Amplitude and Snow Depth over Interior Alaska. <i>Remote Sensing</i> , 2018, 10, 150.	1.8	10
75	Remote Sensing of Landslides—A Review. <i>Remote Sensing</i> , 2018, 10, 279.	1.8	132
76	Modeling Wildfire-Induced Permafrost Deformation in an Alaskan Boreal Forest Using InSAR Observations. <i>Remote Sensing</i> , 2018, 10, 405.	1.8	19
77	Crustal strain fields in the surrounding areas of the Ordos Block, central China, estimated by the least-squares collocation technique. <i>Journal of Geodynamics</i> , 2017, 106, 1-11.	0.7	25
78	Measurement of small co-seismic deformation field from multi-temporal SAR interferometry: application to the 19 September 2004 Huntoon Valley earthquake. <i>Geomatics, Natural Hazards and Risk</i> , 2017, 8, 1241-1257.	2.0	13
79	Characterizing hydrologic changes of the Great Dismal Swamp using SAR/InSAR. <i>Remote Sensing of Environment</i> , 2017, 198, 187-202.	4.6	37
80	Consolidation settlement of Salt Lake County tailings impoundment revealed by time-series InSAR observations from multiple radar satellites. <i>Remote Sensing of Environment</i> , 2017, 202, 199-209.	4.6	50
81	Three-dimensional displacements of a large volcano flank movement during the May 2010 eruptions at Pacaya Volcano, Guatemala. <i>Geophysical Research Letters</i> , 2017, 44, 135-142.	1.5	33
82	Episodic inflation and complex surface deformation of Akutan volcano, Alaska revealed from GPS time-series. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 347, 337-359.	0.8	14
83	On the Accuracy of Topographic Residuals Retrieved by MTInSAR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 1053-1065.	2.7	31
84	A Novel Method of Change Detection in Bi-Temporal PolSAR Data Using a Joint-Classification Classifier Based on a Similarity Measure. <i>Remote Sensing</i> , 2017, 9, 846.	1.8	14
85	Application of InSAR Techniques to an Analysis of the Guanling Landslide. <i>Remote Sensing</i> , 2017, 9, 1046.	1.8	72
86	An Unsupervised Method of Change Detection in Multi-Temporal PolSAR Data Using a Test Statistic and an Improved K&I Algorithm. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 1297.	1.3	3
87	Monitoring and modeling tailings impoundment settlement near Great Salt Lake (UTAH) using multi-platform time-series InSAR observations. , 2017, , .		3
88	Characterization of Active Layer Thickening Rate over the Northern Qinghai-Tibetan Plateau Permafrost Region Using ALOS Interferometric Synthetic Aperture Radar Data, 2007–2009. <i>Remote Sensing</i> , 2017, 9, 84.	1.8	32
89	Monitoring Mount Sinabung in Indonesia Using Multi-Temporal InSAR. <i>Korean Journal of Remote Sensing</i> , 2017, 33, 37-46.	0.4	7
90	Post-Eruption Deformation Processes Measured Using ALOS-1 and UAVSAR InSAR at Pacaya Volcano, Guatemala. <i>Remote Sensing</i> , 2016, 8, 73.	1.8	35

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91	Ongoing Deformation of Sinkholes in Wink, Texas, Observed by Time-Series Sentinel-1A SAR Interferometry (Preliminary Results). <i>Remote Sensing</i> , 2016, 8, 313.	1.8	41
92	Simultaneous estimation of building height and ground deformation over Xi'an City, China using multi-temporal InSAR method. , 2016, , .		1
93	Detecting seasonal landslide movement within the Cascade landslide complex (Washington) using time-series SAR imagery. <i>Remote Sensing of Environment</i> , 2016, 187, 49-61.	4.6	79
94	Dome growth at Mount Cleveland, Aleutian Arc, quantified by time series TerraSAR-X imagery. <i>Geophysical Research Letters</i> , 2015, 42, 10,614.	1.5	37
95	Volcanic activity analysis of Mt. Sinabung in Indonesia using Remote Sensing and GIS techniques. , 2015, , .		0
96	Post-Eruptive Inflation of Okmok Volcano, Alaska, from InSAR, 2008-2014. <i>Remote Sensing</i> , 2015, 7, 16778-16794.	1.8	15
97	Measurement and interpretation of subtle deformation signals at Unimak Island from 2003 to 2010 using weather model-assisted time series InSAR. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 1175-1194.	1.4	18
98	Ground subsidence in Tucson, Arizona, monitored by time-series analysis using multi-sensor InSAR datasets from 1993 to 2011. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 107, 126-141.	4.9	33
99	Dramatic volcanic instability revealed by InSAR. <i>Geology</i> , 2015, 43, 743-746.	2.0	35
100	Measurement of slow-moving along-track displacement from an efficient multiple-aperture SAR interferometry (MAI) stacking. <i>Journal of Geodesy</i> , 2015, 89, 411-425.	1.6	37
101	Pre-2014 mudslides at Oso revealed by InSAR and multi-source DEM analysis. <i>Geomatics, Natural Hazards and Risk</i> , 2015, 6, 184-194.	2.0	16
102	Mapping ground deformation over Houston-Galveston, Texas using multi-temporal InSAR. <i>Remote Sensing of Environment</i> , 2015, 169, 290-306.	4.6	123
103	Simulation of the SuperSAR Multi-Azimuth Synthetic Aperture Radar Imaging System for Precise Measurement of Three-Dimensional Earth Surface Displacement. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 6196-6206.	2.7	30
104	Mining collapse monitoring with SAR imagery data: a case study of Datong mine, China. <i>Journal of Applied Remote Sensing</i> , 2014, 8, 083574.	0.6	27
105	Investigating long-term subsidence at Medicine Lake Volcano, CA, using multitemporal InSAR. <i>Geophysical Journal International</i> , 2014, 199, 844-859.	1.0	41
106	Global link between deformation and volcanic eruption quantified by satellite imagery. <i>Nature Communications</i> , 2014, 5, 3471.	5.8	176
107	InSAR Imaging of Aleutian Volcanoes. , 2014, , .		97
108	Land subsidence and ground fissures in Xi'an, China 2005-2012 revealed by multi-band InSAR time-series analysis. <i>Remote Sensing of Environment</i> , 2014, 155, 366-376.	4.6	142

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109	Joint Correction of Ionosphere Noise and Orbital Error in L-Band SAR Interferometry of Interseismic Deformation in Southern California. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 3421-3427.	2.7	49
110	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
111	Kinematic model of crustal deformation of Fenwei basin, China based on GPS observations. Journal of Geodynamics, 2014, 75, 1-8.	0.7	39
112	InSAR Imaging of Aleutian Volcanoes. , 2014, , 87-345.		35
113	Recent Advances in InSAR Image Processing and Analysis. , 2014, , 35-48.		0
114	Wetlands: Coastal, InSAR Mapping. , 2014, , 546-552.		0
115	Dynamic deformation of Seguam Island, Alaska, 1992â€“2008, from multi-interferogram InSAR processing. Journal of Volcanology and Geothermal Research, 2013, 260, 43-51.	0.8	28
116	Pre-eruption deformation caused by dike intrusion beneath Kizimen volcano, Kamchatka, Russia, observed by InSAR. Journal of Volcanology and Geothermal Research, 2013, 256, 87-95.	0.8	22
117	Ionospheric Correction of SAR Interferograms by Multiple-Aperture Interferometry. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 3191-3199.	2.7	76
118	Time-series deformation monitoring over mining regions with SAR intensity-based offset measurements. Remote Sensing Letters, 2013, 4, 436-445.	0.6	68
119	Feasibility of Along-Track Displacement Measurement From Sentinel-1 Interferometric Wide-Swath Mode. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 573-578.	2.7	50
120	Pre-, co-, and post- rockslide analysis with ALOS/PALSAR imagery: a case study of the Jiweishan rockslide, China. Natural Hazards and Earth System Sciences, 2013, 13, 2851-2861.	1.5	32
121	Simulation of time-series surface deformation to validate a multi-interferogram InSAR processing technique. International Journal of Remote Sensing, 2012, 33, 7075-7087.	1.3	32
122	Mapping ground surface deformation using temporarily coherent point SAR interferometry: Application to Los Angeles Basin. Remote Sensing of Environment, 2012, 117, 429-439.	4.6	164
123	Large-area landslide detection and monitoring with ALOS/PALSAR imagery data over Northern California and Southern Oregon, USA. Remote Sensing of Environment, 2012, 124, 348-359.	4.6	223
124	Modeling PSInSAR Time Series Without Phase Unwrapping. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 547-556.	2.7	112
125	Mapping Three-Dimensional Surface Deformation by Combining Multiple-Aperture Interferometry and Conventional Interferometry: Application to the June 2007 Eruption of Kilauea Volcano, Hawaii. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 34-38.	1.4	143
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

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127	Monitoring Natural Hazards in Protected Lands Using Interferometric Synthetic Aperture Radar. Taylor & Francis Series in Remote Sensing Applications, 2011, , 439-472.	0.0	1
128	Ground surface deformation patterns, magma supply, and magma storage at Okmok volcano, Alaska, from InSAR analysis: 2. Coeruptive deflation, Julyâ€“August 2008. Journal of Geophysical Research, 2010, 115, .	3.3	63
129	Characterizing 6 August 2007 Crandall Canyon mine collapse from ALOS PALSAR InSAR. Geomatics, Natural Hazards and Risk, 2010, 1, 85-93.	2.0	18
130	Ground surface deformation patterns, magma supply, and magma storage at Okmok volcano, Alaska, from InSAR analysis: 1. Intereruption deformation, 1997â€“2008. Journal of Geophysical Research, 2010, 115, .	3.3	119
131	Magma flux at Okmok Volcano, Alaska, from a joint inversion of continuous GPS, campaign GPS, and interferometric synthetic aperture radar. Journal of Geophysical Research, 2010, 115, .	3.3	67
132	Radar image and data fusion for natural hazards characterisation. International Journal of Image and Data Fusion, 2010, 1, 217-242.	0.8	37
133	Helmand River Hydrologic Studies Using ALOS PALSAR InSAR and ENVISAT Altimetry. Marine Geodesy, 2009, 32, 320-333.	0.9	29
134	Monitoring of land subsidence and ground fissures in Xian, China 2005â€“2006: mapped by SAR interferometry. Environmental Geology, 2009, 58, 1533.	1.2	32
135	The postseismic response to the 2002 <i>M</i>7.9 Denali Fault earthquake: constraints from InSAR 2003-2005. Geophysical Journal International, 2009, 176, 353-367.	1.0	42
136	Multi-temporal RADARSAT-1 and ERS Backscattering Signatures of Coastal Wetlands in Southeastern Louisiana. Photogrammetric Engineering and Remote Sensing, 2009, 75, 607-617.	0.3	31
137	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
138	InSAR detects possible thaw settlement in the Alaskan Arctic Coastal Plain. Canadian Journal of Remote Sensing, 2008, 34, 100-112.	1.1	32
139	InSAR Imaging of Volcanic Deformation over Cloud-prone Areas â€“ Aleutian Islands. Photogrammetric Engineering and Remote Sensing, 2007, 73, 245-257.	0.3	47
140	Diverse deformation patterns of Aleutian Volcanoes from satellite Interferometric Synthetic Aperture Radar (InSAR). Geophysical Monograph Series, 2007, , 249-261.	0.1	17
141	Multi-interferogram method for measuring interseismic deformation: Denali Fault, Alaska. Geophysical Journal International, 2007, 170, 1165-1179.	1.0	293
142	Inflation model of Uzon caldera, Kamchatka, constrained by satellite radar interferometry observations. Geophysical Research Letters, 2006, 33, .	1.5	32
143	Quiescent deformation of the Aniakchak Caldera, Alaska, mapped by InSAR. Geology, 2006, 34, 5.	2.0	54
144	Thickness distribution of a cooling pyroclastic flow deposit on Augustine Volcano, Alaska: Optimization using InSAR, FEMs, and an adaptive mesh algorithm. Journal of Volcanology and Geothermal Research, 2006, 150, 186-201.	0.8	21

#	ARTICLE	IF	CITATIONS
145	Surface deformation associated with the March 1996 earthquake swarm at Akutan Island, Alaska, revealed by C-band ERS and L-band JERS radar interferometry. Canadian Journal of Remote Sensing, 2005, 31, 7-20.	1.1	39
146	Interferometric synthetic aperture radar study of Okmok volcano, Alaska, 1992-2003: Magma supply dynamics and postemplacement lava flow deformation. Journal of Geophysical Research, 2005, 110, .	3.3	129
147	Toward mapping surface deformation in three dimensions using InSAR. Geophysical Research Letters, 2004, 31, .	1.5	560
148	Source model for the Mw6.7, 23 October 2002, Nenana Mountain Earthquake (Alaska) from InSAR. Geophysical Research Letters, 2003, 30, .	1.5	160
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152	Deformation associated with the 1997 eruption of Okmok volcano, Alaska. Journal of Geophysical Research, 2002, 107, ETG 7-1-ETG 7-12.	3.3	49
153	Magmatic inflation at a dormant stratovolcano: 1996-1998 activity at Mount Peulik volcano, Alaska, revealed by satellite radar interferometry. Journal of Geophysical Research, 2002, 107, ETG 4-1-ETG 4-13.	3.3	51
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158	Synthetic aperture radar interferometry of Okmok volcano, Alaska: Radar observations. Journal of Geophysical Research, 2000, 105, 10791-10806.	3.3	97
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