A Phase-Decomposition-Based PSInSAR Processing Method

Citation Report

#	ARTICLE	IF	CITATIONS
1	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
2	Robust Object-Based Multipass InSAR Deformation Reconstruction. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4239-4251.	2.7	29
3	Cost-effective monitoring of land subsidence in developing countries using semipermanent GPS stations: a test study over Houston, Texas. Journal of Applied Remote Sensing, 2017, 11, 026033.	0.6	6
4	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
5	Batch filtering of multi-baseline SAR interferograms. , 2017, , .		0
6	Polarimetry-Based Distributed Scatterer Processing Method for PSI Applications. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3371-3382.	2.7	25
7	Object-Based Multipass InSAR via Robust Low-Rank Tensor Decomposition. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3062-3077.	2.7	29
8	An improved SAR interferogram denoising method based on principal component analysis and the Goldstein filter. Remote Sensing Letters, 2018, 9, 81-90.	0.6	24
9	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
10	Method Combining Probability Integration Model and a Small Baseline Subset for Time Series Monitoring of Mining Subsidence. Remote Sensing, 2018, 10, 1444.	1.8	37
11	A Review of Ten-Year Advances of Multi-Baseline SAR Interferometry Using TerraSAR-X Data. Remote Sensing, 2018, 10, 1374.	1.8	44
12	A Novel Measure for Categorization and Optimal Phase History Retrieval of Distributed Scatterers for InSAR Applications. IEEE Transactions on Geoscience and Remote Sensing, 2018, , 1-7.	2.7	8
13	Efficient Phase Estimation for Interferogram Stacks. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4109-4125.	2.7	113
14	Time series mining subsidence monitoring with temporarily coherent points interferometry synthetic aperture radar: a case study in Peixian, China. Environmental Earth Sciences, 2019, 78, 1.	1.3	14
15	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
16	An Improved Stanford Method for Persistent Scatterers Applied to 3D Building Reconstruction and Monitoring. Remote Sensing, 2019, 11, 1807.	1.8	4
17	Improved Maximum Likelihood Estimation for Optimal Phase History Retrieval of Distributed Scatterers in InSAR Stacks. IEEE Access, 2019, 7, 186319-186327.	2.6	5
18	Underground Coal Fires Identification and Monitoring Using Time-Series InSAR With Persistent and Distributed Scatterers: A Case Study of Miquan Coal Fire Zone in Xinjiang, China. IEEE Access, 2019, 7, 164492-164506.	2.6	26

#	Article	IF	Citations
19	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
20	EMI: Efficient Temporal Phase Estimation and its Impact on High-Precision InSAR Time Series Analysis. , 2019, , .		2
21	The worsening impacts of land reclamation assessed with Sentinel-1: The Rize (Turkey) test case. International Journal of Applied Earth Observation and Geoinformation, 2019, 74, 57-64.	1.4	22
22	Mapping the Yellow River Delta land subsidence with multitemporal SAR interferometry by exploiting both persistent and distributed scatterers. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 148, 157-173.	4.9	73
23	A Multi-Sensor Comparative Analysis on the Suitability of Generated DEM from Sentinel-1 SAR Interferometry Using Statistical and Hydrological Models. Sensors, 2020, 20, 7214.	2.1	16
24	Radar Interferometry: 20 Years of Development in Time Series Techniques and Future Perspectives. Remote Sensing, 2020, 12, 1364.	1.8	57
25	Joint Exploitation of SAR and GNSS for Atmospheric Phase Screens Retrieval Aimed at Numerical Weather Prediction Model Ingestion. Remote Sensing, 2020, 12, 654.	1.8	12
26	Potential of Using Phase Correlation in Distributed Scatterer InSAR Applied to Built Scenarios. Remote Sensing, 2020, 12, 686.	1.8	8
27	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
28	Multipass SAR Interferometry Based on Total Variation Regularized Robust Low Rank Tensor Decomposition. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5354-5366.	2.7	13
29	A Fast Phase Optimization Approach of Distributed Scatterer for Multitemporal SAR Data Based on Gauss–Seidel Method. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	4
30	Impact of SAR Image Resolution on Polarimetric Persistent Scatterer Interferometry With Amplitude Dispersion Optimization. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	2.7	5
31	An Adaptive Phase Optimization Algorithm for Distributed Scatterer Phase History Retrieval. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3914-3926.	2.3	12
32	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
33	Development of an Imagewise Stacking Method to Mitigate Atmospheric Effect With an Application to Lianyan Railway. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 4787-4797.	2.3	1
34	Multi-Temporal Small Baseline Interferometric SAR Algorithms: Error Budget and Theoretical Performance. Remote Sensing, 2021, 13, 557.	1.8	13
35	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
36	Investigation of deformation patterns by DS-InSAR in a coal resource-exhausted region with spaceborne SAR imagery. Journal of Asian Earth Sciences: X, 2021, 5, 100049.	0.6	8

#	ARTICLE	IF	CITATIONS
37	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
38	Position Inversion of Goafs in Deep Coal Seams Based on DS-InSAR Data and the Probability Integral Methods. Remote Sensing, 2021, 13, 2898.	1.8	14
39	An Adaptive Weighted Phase Optimization Algorithm Based on the Sigmoid Model for Distributed Scatterers. Remote Sensing, 2021, 13, 3253.	1.8	7
40	A Network Optimized Ridge Estimator for Robust PSI Parameter Estimation and Its Application on Deformation Monitoring of Urban Area. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5436-5452.	2.3	4
41	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
43	ComSAR: A new algorithm for processing Big Data SAR Interferometry. , 2021, , .		3
44	Persistent Scatterer Interferometry for Pettimudi (India) Landslide Monitoring using Sentinel-1A Images. Photogrammetric Engineering and Remote Sensing, 2021, 87, 853-862.	0.3	2
45	An Improved Method for Phase Triangulation Algorithm Based on the Coherence Matrix Eigen-Decomposition in Time-Series SAR Interferometry. IEEE Access, 2021, 9, 150201-150212.	2.6	2
46	Improving CPT-InSAR Algorithm with Adaptive Coherent Distributed Pixels Selection. Remote Sensing, 2021, 13, 4784.	1.8	2
47	Polarimetric Persistent Scatterer Interferometry for Ground Deformation Monitoring with VV-VH Sentinel-1 Data. Remote Sensing, 2022, 14, 309.	1.8	9
48	Compressed SAR Interferometry in the Big Data Era. Remote Sensing, 2022, 14, 390.	1.8	5
49	Deformation monitoring and analysis of Kunyang phosphate mine fusion with InSAR and GPS measurements. Advances in Space Research, 2022, 69, 2637-2658.	1.2	16
50	Monitoring Land Subsidence in North-central Henan Plain using the SBAS-InSAR Method with Sentinel-1 Imagery Data. Journal of the Indian Society of Remote Sensing, 2022, 50, 635-655.	1.2	3
51	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
52	Characterizing and correcting phase biases in short-term, multilooked interferograms. Remote Sensing of Environment, 2022, 275, 113022.	4.6	27
53	A New Likelihood Function for Consistent Phase Series Estimation in Distributed Scatterer Interferometry. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	19
54	Automatic Identification of Slope Active Deformation Areas in the Zhouqu Region of China With DS-InSAR Results. Frontiers in Environmental Science, 2022, 10, .	1.5	6
55	A phase-decomposition-based polarimetric coherence optimization method. International Journal of Applied Earth Observation and Geoinformation, 2022, 110, 102771.	0.9	0

#	Article	IF	Citations
57	Land Subsidence Monitoring and Dynamic Prediction of Reclaimed Islands with Multi-Temporal InSAR Techniques in Xiamen and Zhangzhou Cities, China. Remote Sensing, 2022, 14, 2930.	1.8	5
58	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
59	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
60	NL-MMSE: A Hybrid Phase Optimization Method in Multimaster Interferogram Stack for DS-InSAR Applications. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 8332-8345.	2.3	3
61	Advances in InSAR Imaging and Data Processing. Remote Sensing, 2022, 14, 4307.	1.8	6
62	On the Phase Nonclosure of Multilook SAR Interferogram Triplets. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	5
63	Monitoring spatiotemporal evolution of Kaiyang landslides induced by phosphate mining using distributed scatterers InSAR technique. Landslides, 2023, 20, 695-706.	2.7	8
64	Identification and Analysis of Landslides in the Ahai Reservoir Area of the Jinsha River Basin Using a Combination of DS-InSAR, Optical Images, and Field Surveys. Remote Sensing, 2022, 14, 6274.	1.8	9
65	Non-linear phase linking using joined distributed and persistent scatterers. Computers and Geosciences, 2023, 171, 105291.	2.0	5
66	Mapping Vertical Land Motion in Challenging Terrain: Six‐Year Trends on Tutuila Island, American Samoa, With PS‐InSAR, GPS, Tide Gauge, and Satellite Altimetry Data. Geophysical Research Letters, 2022, 49, .	1.5	4
67	Multi-Temporal InSAR Deformation Monitoring Zongling Landslide Group in Guizhou Province Based on the Adaptive Network Method. Sustainability, 2023, 15, 894.	1.6	1
68	Novel algorithms for pair and pixel selection and atmospheric error correction in multitemporal InSAR. Remote Sensing of Environment, 2023, 286, 113447.	4.6	10
69	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
70	A Modification to Phase Estimation for Distributed Scatterers in InSAR Data Stacks. Remote Sensing, 2023, 15, 613.	1.8	2
71	Effectiveness evaluation of DS-InSAR method fused PS points in surface deformation monitoring: a case study of Hongta District, Yuxi City, China. Geomatics, Natural Hazards and Risk, 2023, 14, .	2.0	3
72	Identification and Analysis of Unstable Slope and Seasonal Frozen Soil Area along the Litang Section of the Sichuan‐Tibet Railway, China. Remote Sensing, 2023, 15, 1317.	1.8	3
73	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
74	Retrieving surface secondary subsidence in closed mines with time-series SAR interferometry combining persistent and distributed scatterers. Environmental Earth Sciences, 2023, 82, .	1.3	0