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● 教育与学历

- 2000.09-2010.06
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● 工作经历

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● 期刊论文

2022

[1] Zheng Meinan, Deng Kazhong, **Fan Hongdong**, Zhang Hongzhen, Qin Xipeng. Retrieving surface secondary subsidence in closed mines with time-series SAR interferometry combining persistent and distributed scatterers. Environmental Earth Sciences, 2023, 82(9), 212.

[2] Wu Hao, Zheng Xiangyuan, **Fan Hongdong**, Tian Zeming. Deformation Monitoring of Tailings Reservoir Based on Polarimetric Time Series InSAR: Example of Kafang Tailings Reservoir, China. Remote Sensing, 2022, 14,3655.

[3] Xu Yaozong, Li Tao, Tang Xinming, Zhang Xiang, **Fan Hongdong**, Wang Yuewen. Research on the Applicability of DInSAR, Stacking-InSAR and SBAS-InSAR for Mining Region Subsidence Detection in the Datong Coalfield. Remote Sensing, 2022, 14(14), 3314.

[4] Zhuang Huifu, **Fan Hongdong**, Deng Kazhong, Zhang Kefei. Change Detection in SAR Images Based on Progressive Nonlocal Theory. IEEE Transactions on Geoscience and Remote Sensing, 2022,60: 5229213.

[5] Li Tengteng, Zhang Hongzhen, **Fan Hongdong**. Position Inversion of Goafs in Deep Coal Seams Based on DS-InSAR Data and the Probability Integral Method DS-InSAR . Remote Sensing, 2022, 13(15), 2898.

2021

[1] **Fan Hongdong** Li Tengteng Gao Yantao Deng Kazhong Wu, Hongan. Characteristics inversion of underground goaf based on InSAR techniques and PIM. International Journal of Applied Earth Observation and Geoinformation. 2021, 103:102526

[2] **Fan Hongdong**, Liu Youfeng, Xu Yaozong, Yang Honglei. Surface subsidence monitoring with an improved distributed scatterer interferometric SAR time series method in a filling mining area. Geocarto International. 2021-12-02

[3] Chi Bowen, Zhuang Huifu, **Fan Hongdong**, Yu Yang, Peng Lei. An ada

ptive patch-based goldstein filter for interferometric phase denoising. International Journal of Remote Sensing, 2021,42(17), DOI:10.1080/01431161.2021.1944693

[4] Chi Bowen, **Fan Hongdong**, Gao Yantao, Zhao Lifeng, Zhuang Huifu. A distributed scatterers InSAR method based on adaptive window with statistically homogeneous pixel selection for mining subsidence monitoring. Geocarto International. 2021-10-01

[5] **Fan Hongdong** , Wang Liang, Wen Binfan, Du Sen. A New Model for three-dimensional Deformation Extraction with Single-track InSAR Based on Mining Subsidence Characteristics InSAR . International Journal of Applied Earth Observation and Geoinformation,2021, 94: 102223 (SCI)

[6] Liu Youfeng, **Fan Hongdong**, et al. Monitoring of surface deformation in a low coherence area using distributed scatterers InSAR: Case study in the Xiaolangdi Basin of the Yellow River InSAR . China Bulletin of Engineering Geology and the Environment. 2021,80:25–39(SCI)

[7] Xu Yi, **Fan Hongdong**, Dang Libo. Monitoring coal seam fires in Xinjiang using comprehensive thermal infrared and time series InSAR detection InSAR . International Journal of Remote Sensing,2021, 42 (6): 2220-2245 (SCI)

2020

[1] Du Sen, Jordi J. Mallorqu ĺ **Fan Hongdong**. Improving PSI Processing of Mining Induced Large Deformations with External Models PSInSAR . Remote Sensing, 2020, 12(19), 3145.

[2] **Fan Hongdong**, Wen Binfan, et al. An improved method of three dimensional displacement field generation in mining areas with a single InSAR pair InSAR . EUROPEAN JOURNAL OF REMOTE SENSING,2019, 52 (1): 493-503 (SCI)

[3] Lu Lu, **Fan Hongdong**. Time series mining subsidence monitoring with temporarily coherent points interferometry synthetic aperture radar a case study in Peixian, China

. Environmental Earth Sciences,2019, 78 (15):461 (SCI)

[4] Wang Liuyu, Deng Kazhong, **Fan Hongdong**. Monitoring of large-scale deformation in mining areas using sub-band InSAR and the probability integral fusion method

. International Journal of Remote Sensing,2019,40(7): 2602-2622 (SCI)

[5] Zheng Meinan, Deng Kazhong, **Fan Hongdong**. Monitoring and analysis of mining 3D deformation by multi-platform SAR images with the probability integral method SAR .
Frontiers of Earth Science,2019,13(1): 169-179 (SCI)

[6] Zheng Meinan, Deng Kazhong, **Fan Hongdong**. Monitoring and analysis of mining 3D time-series deformation based on multi-track SAR data
SAR . International Journal of Remote Sensing,2019,40(4): 1409-1425 (SCI)

[7] _____. TIRS TCP_InSAR .
2019,10 164-171.

[8] _____. TCP-InSAR .
2019,39 2 164-168.

[9] **Fan Hongdong**; Lu Lu, Yao Yahui. Method Combining Probability Integration Model and a Small Baseline Subset for Time Series Monitoring of Mining Subsidence[J] .
Remote Sensing. 2018, 10(9), 1444. (SCI)

[10] Zhuang Huifu, **Fan Hongdong***, Deng Kazhong, Yao Guobiao. A spatial-temporal adaptive neighborhood-based ratio approach for change detection in SAR images [J] SAR
. Remote Sensing. 2018, 10(8), 1295. (SCI)

[11] Zhuang Huifu, **Fan Hongdong***, Deng Kazhong, Yu Yang. An improved neighborhood-based ratio approach for change detection in SAR images[J]
SAR . European Journal of Remote Sensing. 2018, 51(1), 723-738. (SCI)

[12] Zhongbo Hu, Jordi J. Mallorqu ́, **Hongdong Fan**. Atmospheric Artifacts Correction With a Covariance-Weighted Linear Model Over Mountainous

Regions . IEEE Transactions on Geoscience and Remote Sensing, 2018,56(12) (SCI)

[13] Zhuang Huifu, **Fan Hongdong**, Deng Kazhong. A novel approach based on structural information for change detection in SAR images[J] SAR . International Journal of Remote Sensing, 2018, 39(8):2341-2365. (SCI)

[14] Zheng Meinan, Deng Kazhong, **Fan Hongdong**. Monitoring and Analysis of Surface Deformation in Mining Area Based on InSAR and GRACE InSAR GRACE . Remote Sensing, 2018, 10(9), 1392. (SCI)

[15] Yu Yang, Chen Senen, Deng Kazhong, Wang Peng, **Fan Hongdong**. Subsidence Mechanism and Stability Assessment Methods for Partial Extraction Mines for Sustainable Development of Mining Cities-A Review [J] . Sustainability,2018,10(1):113(SCI)

[16] _____. KI SAR . , 2018,43(2):282-288. EI

[17] _____. SAR . 2018,39 11 29-33.

[18] **Hongdong Fan** ; Qiang Xu ; Zhongbo Hu ; Sen Du. Using temporarily coherent point interferometric synthetic aperture radar for land subsidence monitoring in a mining region of western China[J] . Journal of Applied Remote Sensing, 2017,11(2), 026003. doi:10.1117/1.JRS.11.026003 (SCI)

[19] _____, , , . SAR [J]. ,34: 6 1156-1161 2017. EI

[20] Huang Jilei, Deng Kazhong, **Fan Hongdong**, et al. An Improved Adaptive Template Size Pixel-Tracking Method for Monitoring Large-Gradient Mining Subsidence[J] . Journal of Scensors,2017,305919:1-12.

[21] Yu Yang, Chen Senen, Deng Kazhong, **Fan Hongdong**. Long-Term Stability Evaluation and Pillar Design Criterion for Room-and-Pillar Mines[J]

.Energies, 2017,10:1644.
SCI
[22] _____ . DInSAR [J]. 2017,36(9) 179-180.
[23] **Fan Hongdong**, Gao Xiaoxiong, Yang Junkai, et al. Monitoring Mining Subsidence Using A Combination of Phase-Stacking and Offset-Tracking Methods . Remote Sensing 2015, 7, 9166-9183.(SCI)
[24] **Fan Hongdong**, Cheng Dan, Deng Kazhong et al. Subsidence monitoring using D-InSAR and probability integral prediction modelling in deep mining areas [J] DInSAR . Survey Review, 2015, 47(345): 438-445. SCI
[25] **Fan Hongdong**, Gu Wei, Qin Yong, Xue Jiqun, Chen Bingqian. A model for extracting large deformation mining subsidence using DInSAR technique and probability integral method [J] DInSAR . Transactions of Nonferrous Metals Society of China, 24(2014):1242-1247. SCI
[26] _____, , . SAR [J]. 2012,37: 11 1841-1846. EI
[27] _____, . DT-CWT [J]. 2012,37: 7 810-813. EI
[28] **Fan Hongdong**, Deng Kazhong. Land subsidence monitoring by DInSAR technique[J] DInSAR . Mining Science & Technology,2011,21(6): 869–872.(EI)

● 科研项目

[1] ,
[2] -

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[6] InSAR

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● 教学获奖

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● 学术兼职

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