

科研方向	I am interested in InSAR processing, Geodynamics, Machine Learning. My current focuses include: <ul style="list-style-type: none">• InSAR processing.• Geodynamics.• Machine Learning.	
教育经历	南卫理公会大学 地球物理博士在读 导师: 路中 教授	美国, 德克萨斯州, 达拉斯 2020 年 8 月至今
	中国科学技术大学 地球物理学本科学位	中国, 合肥 2016 年 9 月 – 2020 年 6 月
技能	编程 C, Python, Matlab, L ^A T _E X, Bash 工具 Vim, Git, Linux 语言 英语, 普通话	
已发表论文	<ol style="list-style-type: none">1. Y. Okada, "Surface deformation due to shear and tensile faults in a half-space," <i>Bulletin of the Seismological Society of America</i>, vol. 75, no. 4, pp. 1135–1154, August /1985.2. A. Ferretti, C. Prati, and F. Rocca, "Permanent scatterers in SAR interferometry," <i>IEEE Transactions on Geoscience and Remote Sensing</i>, vol. 39, no. 1, pp. 8–20, Jan./2001.3. R. Bamler and P. Hartl, "Synthetic aperture radar interferometry," p. 54,4. W. Zheng, J.-W. Kim, S. T. Ali, and Z. Lu, "Wastewater leakage in West Texas revealed by satellite radar imagery and numerical modeling," <i>Scientific Reports</i>, vol. 9, no. 14601, Oct. 2019.5. J.-W. Kim, Z. Lu, and J. Kaufmann, "Evolution of sinkholes over Wink, Texas, observed by high-resolution optical and SAR imagery," <i>Remote Sensing of Environment</i>, vol. 222, pp. 119–132, Mar. 2019.6. Y. Shi, Y. Tang, Z. Lu, J.-W. Kim, and J. Peng, "Subsidence of sinkholes in Wink, Texas from 2007 to 2011 detected by time-series InSAR analysis," <i>Geomatics, Natural Hazards and Risk</i>, vol. 10, no. 1, pp. 1125–1138, Feb. 17, 2019.7. M. Bagnardi and A. Hooper, "Inversion of Surface Deformation Data for Rapid Estimates of Source Parameters and Uncertainties: A Bayesian Approach," <i>Geochemistry, Geophysics, Geosystems</i>, vol. 19, no. 7, pp. 2194–2211, Jul. 2018.8. 玉. 牛, "SAR/InSAR 技术用于矿区探测与形变监测研究," 长安大学, 西安, 中国, 2015, 112 pp.	

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14. Z. Lu and D. Dzurisin, "Ground surface deformation patterns, magma supply, and magma storage at Okmok volcano, Alaska, from InSAR analysis: 2. Coeruptive deflation, July–August 2008," *Journal of Geophysical Research*, vol. 115, B00B03 May 5, 2010.
15. A. Hooper, "A multi-temporal InSAR method incorporating both persistent scatterer and small baseline approaches," *Geophysical Research Letters*, vol. 35, no. L16302, pp. 1–5, Aug. 19, 2008.
16. Z. Lu and O.-i. Kwoun, "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*, vol. 46, no. 8, pp. 2167–2184, Aug. 2008.
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学术报告

1.

荣誉

- 地学攀登奖学金, 中国科大 2019
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