



牛杰明

博士後研究

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研究興趣：火山學,地震學,岩石學,大地測量學

**RESEARCH INTEREST: VOLCANOLOGY; SEISMOLOGY; PETROLOGY;
GEODESY**

WORK EXPERIENCE

Academia Sinica, Taiwan

- Postdoctoral Fellow 2019.2 ~ current

University College London, UK

- Research Associate 2017.1 ~ 2018.12

EDUCATION

Wuhan University, CHINA

- Ph.D. in Geodesy and Geomatics 2013.9 ~ 2016.12
- M.Sc. in Surveying and Mapping 2011.9 ~ 2013.6
- B.Sc. in Surveying and Mapping 2007.9 ~ 2011.6

University College London, UK

- Visiting Ph.D. in Seismology 2014.9 ~ 2016.8

PUBLICATIONS

Caijun Xu, Zheng Gong, [Jieming Niu](#), Recent developments in seismological geodesy, Geodesy and Geodynamics, 2016, Geodesy and Geodynamics, 2016: 157-164.

[Jieming Niu](#), Caijun Xu, Qingbiao Fan, Zhi Yin, Impact of Coseismic deformation fields with Different Time Scales on the Finite Fault Modelling in the 2010 California Baja Earthquake, Survey Review, 2016(48): 1-6.

- Jieming Niu, Caijun Xu, Lei Yi, Detecting Multiple Surface Waves Excited by the 2011 Tohoku-Oki Earthquake from GEONET Observations, Bulletin of the Seismological Society of America, 2016(106): 806-811.
- Qingbiao Fan, Caijun Xu, Jieming Niu, Guoyan Jiang, Yang Liu, Stability analyses and numerical simulations of the single degree of freedom spring-slider system obeying the revised rate-and state-dependent friction law, Journal of seismology, 2014(18): 637-649.
- Jieming Niu, Caijun Xu, Real-time assessment of the broadband coseismic deformation of the 2011 Tohoku-Oki earthquake using an adaptive Kalman filter, Seismological Research Letters, 2014(85):836-843.
- Xiaoji Niu, Qijin Chen, Quan Zhang, Hongping Zhang, Jieming Niu, Kejie Chen, Chuang Shi, Jingnan Liu, Using Allan variance to analyse the error characteristics of GNSS positioning, GPS solutions, 2014(18):231-242.

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- Teh-Ru Alex Song, Jieming Niu, A Synchronised Deep Source and Repetitive triggering of Long-Period Tremors in Aso volcano, Japan, AGU Fall Meeting 2018.
- Teh-Ru Alex Song, Jieming Niu, Magma Chamber and Volcanic Conduit Interaction: A Tale from Long-Period Tremor Activities in Aso Volcano, Japan, AOGS, 2018.
- Teh-Ru Alex Song, Jieming Niu, Observations of diverse long-period tremors at Aso Volcano, Japan, JpGU Meeting 2018.
- Teh-Ru Alex Song, Jieming Niu, Magma chamber and volcanic conduit interaction: A tale from diverse long-period tremors in Aso volcano, Japan, JpGU Meeting 2018.
- Teh-Ru Alex Song, Jieming Niu, Magma chamber and volcanic conduit interaction: A tale from long-period tremor activities in Aso volcano, Japan, 20th EGU General Assembly, 2018.
- Jieming Niu, Teh-Ru Alex Song, Diverse long Period tremors and their implications on degassing and heating inside Aso volcano, 19th EGU General Assembly, 2017(19):17031.
- Jieming Niu, Teh-Ru Alex Song, Caijun Xu, Preliminary Study of Distinctive Long Period Event at Aso Volcano and its relation to volcanic eruption, The 3rd international summer school on Earthquake Science(iSSE), 2015.9, Tokyo, Japan, POSTER.
- Jieming Niu, Teh-Ru Alex Song, Caijun Xu, Wide-band monitoring of Aso Volcano with seismometer, tiltmeter and continuous GPS from 2010 to 2014, 26th General Assembly of the International Union of Geodesy and Geophysics (IUGG), 2015.6, Prague, the Czech Republic, POSTER.
- Caijun Xu, Jieming Niu, A study of extracting co- and post- seismic deformations of mainshocks and aftershocks from high-rate GPS time series, International Association of Geodesy Scientific Assembly (IAG), 2013.9, Potsdam, German, ORAL.
- Jieming Niu, Caijun Xu, Real Time Broadband Kinematic Coseismic Deformations Associated with the Mw 9.0 11th March, 2011, Tohoku-Oki earthquake, 2nd Joint International Symposium on Deformation Monitoring (JISDM), 2013.9, Nottingham, UK, ORAL.