郭昱廷 博士後研究

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研究領域：地表變形、發震構造

Research Interests： Surface Deformation, Seismogenic Structure

學歷 Education

Ph. D., Department of Geosciences, National Taiwan University, Taiwan, 2017.

M. S., Department of Geosciences, National Taiwan University, Taiwan, 2006.

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期刊著作 Publications

1. Yen, J.Y., Lu, C.H., Dorsey, R.J., Hao, K.C., Chang, C.P., Wang, C.C., Chuang, R.Y., Kuo, Y.T., Chiu, C.Y., Chang, Y.H., Bovenga, F, Chang, W.Y. (2019). Insights into Seismogenic Deformation during the 2018 Hualien, Taiwan, Earthquake Sequence from InSAR, GPS, and Modeling, Seismol. Res. Lett., 90(1), 78-87, doi: 10.1785/0220180228. (SCI)
2. Kuo, Y.T., Wang, Y., Hollingsworth, J., Huang, S.Y., Chuang, R.Y. , Lu, C.H., Hsu, Y.C., Tung, H., Yen, J.Y., Chang, C.P. (2019). Shallow Fault Rupture of the Milun Fault in the 2018 M-w 6.4 Hualien Earthquake: A High-Resolution Approach from Optical Correlation of Pleiades Satellite Imagery. Seismol. Res. Lett., 90(1), 97-107, doi: 10.1785/0220180227. (SCI)
3. Ku, C.S., Kuo, Y.T., Chao, W.A. , You, S.H., Huang, B.S., Chen, Y.G., Taylor, F. W., Wu, Y.M. (2018). A First-Layered Crustal Velocity Model for the Western Solomon Islands: Inversion of the Measured Group Velocity of Surface Waves Using Ambient Noise. Seismol. Res. Lett., 89(6), 2274-2283, doi:

10.1785/0220180126. (SCI)

4. Chao, Wei-An, Tso-Ren Wu, Kuo-Fong Ma, Yu-Ting Kuo, Yih-Min Wu, Li Zhao, Meng-Ju Chung, Han Wu, Yu-Lin Tsai. (2018). The Large Greenland Landslide of 2017: Was a Tsunami Warning Possible?. Seismol. Res. Lett., 89(4), 1335-1344, doi: 10.1785/0220170160. (SCI)
5. Kuo, Y.T., Ku, C.S., Chen, Y.G., Wang, Y., Lin, Y.N.N., Chuang, R.Y., Hsu, Y.J., Taylor, F.W., Huang, B.S. and Tung, H. (2016). Characteristics on fault coupling along the Solomon megathrust based on GPS observations from 2011 to 2014. Geophys. Res. Lett., 43, doi:10.1002/2016GL070188. (SCI)
6. Chuang, R.Y., Johnson, K.M., Kuo, Y.T., Wu, Y.M., Chang, C.H. and Kuo, L.C. (2014). Active back thrust in the eastern Taiwan suture revealed by the 2013 Rueisuei earthquake: Evidence for a doubly vergent orogenic wedge? Geophys. Res. Lett., 41, doi:10.1002/ 2014GL060097. (SCI)
7. Kuo, Y.T., Ayoub, F., Leprince, S., Chen, Y.G., Avouac, J.P., Shyu, J.B. H., Lai, K.Y. and Kuo, Y.J. (2014). Coseismic thrusting and folding in the 1999 Mw 7.6 Chi-Chi earthquake: A high-resolution approach by aerial photos taken from Tsaotun, central Taiwan. J. Geophys. Res. Solid Earth, 119, doi:10.1002/2013JB010308. (SCI)
8. Chang, C.P., Chen, G.H., Xu, X.W., Yuan, R.M., Kuo, Y.T., and Chen, W.S. (2011). Influence of the pre-existing Xiaoyudong salient in surface rupture distribution of the Mw 7.9 Wenchuan earthquake, China. Tectonophysics, doi:10.1016/j.tecto.2011.12.038. (SCI)
9. Lai, K.Y., Chen, Y.G., Wu, Y.M., Avouac, J.P., Kuo, Y.T., Wang, Y., Chang, C.H. and Lin, K.C. (2009). The 2005 Ilan earthquake doublet and seismic crisis in northeastern Taiwan: evidence for dike intrusion associated with on-land propagation of the Okinawa Trough. Geophys. J. Int., 79(2), 678-686. (SCI)
10. Chung, L.H., Chen, Y.G., Wu, Y.M., Shyu, J.B.H., Kuo, Y.T. and Lin, Y.N.N. (2008). Seismogenic faults along the major suture of the plate boundary deduced by dislocation modeling of coseismic displacements of the 1951 M7.3 Hualien-Taitung earthquake sequence in eastern Taiwan. Earth Planet Sci. Lett., 269, 3-4,415-425. (SCI)
11. Chen, Y.G., Kuo, Y.T., Wu, Y.M., Chen, H.L., Chang, C.H., Chen, R.Y., Lo, P.W., Ching, K.E. and Lee, J.C. (2008). New seismogenic source and deep structures revealed by 1999 Chiayi Earthquake sequence in southwestern Taiwan. Geophys. J. Int., 172, 3,1049-1054. (SCI)
12. Chen, Y.G., Lai, K.Y., Lee, Y.H., Suppe, J., Chen, W.S., Lin, Y.N.N., Wang, Y., Hung, J.H. and Kuo, Y.T.

(2007). Coseismic fold scarps and their kinematic behavior in the 1999 Chi-Chi earthquake Taiwan. J. Geophys Res., 112, B03S02, doi:10.1029/2006JB004388. (SCI)