

# 梁文宗 Wen-Tzong Liang

Institute of Earth Sciences (IES), Academia Sinica,  
128, Sec. 2, Academia Road, Nangang, Taipei 11529, Taiwan

E-mail: [wtl@earth.sinica.edu.tw](mailto:wtl@earth.sinica.edu.tw)

Phone: +886-2-2783-9910 ext. 2704



## **Education**

1998/09 **Ph.D.**, Institute of Oceanography, National Taiwan University

## **Employment**

2016/01 - present: **Research Scientist**, Institute of Earth Sciences, Academia Sinica

2014/08~2019/07: Executive Secretary of the Taiwan Earthquake Research Center (TEC)

2009/09~2015/12 : Associate Research Scientist, Institute of Earth Sciences, Academia Sinica

2005/03~2009/08 : Assistant Research Scientist, Institute of Earth Sciences, Academia Sinica •

2001/08~2005/02 : Specialist, Data Management Center, Institute of Earth Sciences, Academia Sinica •

1998/07~2001/07 : Postdoc., Institute of Earth Sciences, Academia Sinica

1992/06~1994/06 : Research Assistant, Institute of Earth Sciences, Academia Sinica

## **Research Interests**

Observational Seismology, Source Mechanism, Earth Interior, Data Management

## **Selected Publications (2017-2024)**

1. Jian Pei-Ru, Liang Wen-Tzong, Kuo Ban-Yuan, 2022, “Three-Dimensional Stress Model of the Collision-Subduction Junction East of Taiwan: Implications for the Decoupling of the Luzon Arc During Subduction”, JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH, 127(9), e2022JB024054-e2022JB024054.(SCIE) (IF: 4.39; SCI ranking: 23%)
2. Rau Ruey-Juin, Liang Wen-Tzong, 2022, “Introduction to the special issue on the Hualien earthquake swarms”, TERRESTRIAL ATMOSPHERIC AND OCEANIC SCIENCES, 33(1), 0. (SCIE) (IF: 0.963; SCI ranking: 94.1%, 94.7%, 83.3%)
3. Oliver Heidbach\*, Wen-Tzong Liang, Sophia Morawietz, Sebastian von Specht, Kuo-Fong Ma, 2022, “Stress Map of Taiwan 2022”, World Stress Map, pp. 1.
4. Chen Kate Huihsuan, Liang Wen-Tzong, Lin Chun-Hung, Wu Leon Yufeng, 2020, “Citizen Seismology in Taiwan: Development, Outreach, and Formative Assessment of Near-Real Time Earthquake Game Competition Activities”, Frontiers in Earth Science, 8, 1-15. (SCIE) (IF: 3.661; SCI ranking: 37.4%)
5. Kate Huihsuan Chen, Remy Bossu, Wen-Tzong Liang, 2020, “Editorial: The Power of Citizen Seismology: Science and Social Impacts”, Frontiers in Earth Science, 8. (SCIE) (IF: 3.661; SCI ranking: 37.4%)
6. Philippe Steer\*, Louise Jeandet, Nadaya Cubas, Odin Marc, Patrick Meunier, Martine Simoes, Rodolphe Cattin, J. Bruce H. Shyu, Maxime Mouyen, Wen-Tzong Liang, Thomas Theunissen, Shou-Hao Chiang & Niels Hovius, 2020, “Earthquake statistics changed by typhoon-driven erosion”, SCIENTIFIC REPORTS, 10, 10899. (SCIE) (IF: 4.997; SCI ranking: 25.7%)
7. Liang Wen-Tzong, Lee Jian-Cheng, Hsiao Nai-Chi, 2019, “Crowdsourcing Platform Toward Seismic Disaster Reduction: The Taiwan Scientific Earthquake Reporting (TSER) System”, FRONTIERS IN EARTH SCIENCE, 7. (SCIE, JCR) (IF: 3.661; SCI ranking: 37.4%)
8. Zhang Yayun, Yao Huajian, Yang Hsin-Ying, Cai Hui-Teng, Fang Hongjian, Xu Jiajun, Jin Xing, Kuo-Chen Hao, Liang Wen-Tzong, Chen Kai-Xun, 2018, “3-D Crustal Shear-Wave Velocity

Structure of the Taiwan Strait and Fujian, SE China, Revealed by Ambient Noise Tomography”, *Journal of Geophysical Research: Solid Earth*, 123(9), 8016-8031.

9. Jian Pei-Ru, Tseng Tai-Lin\*, Liang Wen-Tzong, Huang Ping-Han, 2018, “A New Automatic Full-Waveform Regional Moment Tensor Inversion Algorithm and Its Applications in the Taiwan Area”, *Bulletin of the Seismological Society of America*, 108(2), 573-587. (SCIE) (IF: 3.14; SCI ranking: 42.5%)
10. Liang Wen-Tzong\*, Lee Jian-Cheng, Chen Kate Huihsuan, Hsiao Nai-Chi, 2017, “Citizen Earthquake Science in Taiwan: From Science to Hazard Mitigation”, *Journal of Disaster Research*, 12(6), 1174-1181. (Scopus, EI)
11. Kanamori Hiroo, Ye Lingling, Huang Bor-Shouh, Huang Hsin-Hua, Lee Shiann-Jong, Liang Wen-Tzong, Lin Yen-Yu, Ma Kuo-Fong, Wu Yih-Min, Yeh Te-Yang, 2017, “A strong-motion hot spot of the 2016 Meinong, Taiwan, earthquake ( $M_w = 6.4$ )”, *Terrestrial, Atmospheric and Oceanic Sciences*, 28(5), 637-650.
12. Konstantinou K. I.\*, Mouslopoulou V., Liang Wen-Tzong, Heidbach O., Oncken O., Suppe J., 2017, “Present-day crustal stress field in Greece inferred from regional-scale damped inversion of earthquake focal mechanisms”, *Journal of Geophysical Research: Solid Earth*, 122(1), 506-523
13. Chen Li-Wei, Chen Ying-Nien, Gung Yuancheng, Lee Jian-Cheng, Liang Wen-Tzong, 2017, “Strong near-surface seismic anisotropy of Taiwan revealed by coda interferometry”, *Earth and Planetary Science Letters*, 475, 224-230. (SCIE) (IF: 5.785; SCI ranking: 10.3%)