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RESEARCH INTERESTS:

seismic anisotropy, mantle dynamics

EDUCATION

Ph.D., Inst. of Oceanography, National Taiwan University, Taipei, Taiwan 2011/09-2020/01

M.S., Dept. of Geosciences, National Taiwan University, Taipei, Taiwan 2004/09-2006/07

B.S., Dept. of Geology, National Taiwan University, Taipei, Taiwan 2000/09-2004/07

PUBLICATION

Peng, Cheng-Chien, Kuo, Ban-Yuan, Faccenda, M., Chiao, Ling-Yun., 2020. Mantle flow entrained by the Hindu Kush continental subduction inferred from source-side seismic anisotropy. *Earth Planet. Sci. Lett.*, 530 (2020) 115905.

CONFERENCE ABSTRACTS

Peng, Cheng-Chien, Kuo, Ban-Yuan, Chiao, Ling-Yun. (2019, May). Mantle dynamics around the Hindu Kush-Pamir subduction zone inferred from source-side seismic anisotropy. Taiwan Geoscience Assembly 2019.

Peng, Cheng-Chien, Kuo, Ban-Yuan, Chen, Chin-Wu. (2017, May). Layered seismic anisotropic structure of the subducting asthenosphere in the Cocos subduction zone. JpGU-AGU Joint Meeting 2017, Japan.

Hsu Li-Chen, Peng, Cheng-Chien, Kuo, Ban-Yuan. (2017, May) Sub-slab anisotropy in the western Pacific : The Izu-Bonin and Mariana regions. JpGU-AGU Joint Meeting 2017, Japan.

Peng, Cheng-Chien, Kuo, Ban-Yuan, Chen, Chin-Wu. (2014, Dec). Subslab seismic anisotropy and mantle flow in the western Pacific subduction zones. American Geophysical Union Fall Meeting 2014, San Francisco.

Peng, Cheng-Chien, Kuo, Ban-Yuan, Chen, Chin-Wu. (2014, Nov). Subslab seismic anisotropy and mantle flow in the western Pacific subduction zones. Geodynamics and Environment in East Asia, and International Conference and 7th Taiwan-France Symposium in Earth Science, Taiwan.