

地球科學研究所

詹瑜璋 (CHAN, YU-CHANG)

- Hsieh, Y.-C., Chan*, Y.-C., Hu, J.-C., 2016, "Digital Elevation Model Differencing and Error Estimation from Multiple Sources: A Case Study from the Meiyuan Shan Landslide in Taiwan", *REMOTE SENSING*, 8, 199:1-20. (SCI) (IF: 3.036; SCI ranking: 17.9%)
- Hsieh, Y.-C., Chan*, Y.-C., Hu, J.-C., Chen, Y.-Z., Chen, R.-F., Chen, M.-M., 2016, "Direct Measurements of Bedrock Incision Rates on the Surface of a Large Dip-slope Landslide by Multi-Period Airborne Laser Scanning DEMs", *REMOTE SENSING*, 8(11),900. (SCI) (IF: 3.036; SCI ranking: 17.9%)
- Chen, C.-T., Chan, Y.-C., Lo, C.-H., Lu, C.-Y., 2016, "Growth of mica porphyroblasts under low-grade metamorphism -- A Taiwanese case using in-situ $^{40}\text{Ar}/^{39}\text{Ar}$ laser microprobe dating", *JOURNAL OF STRUCTURAL GEOLOGY*, 92, 1-11. (SCI) (IF: 2.084; SCI ranking: 35.9%)

趙丰 (CHAO, BENJAMIN F.)

- Ding, H., and B. F. Chao*, 2016, "Solid pole tide in global GPS and superconducting gravimeter observations: signal retrieval and inference for mantle anelasticity", *Earth Planet. Sc. Lett.*, doi:10.1016/j.epsl.2016.11.039. (SCI) (IF: 4.326; SCI ranking: 8.6%)
- Chao, B. F., 2016, "Dynamics of axial torsional libration under the mantle-inner core gravitational interaction", *J. Geophys. Res.*, doi:10.1002/2016JB013515. (SCI) (IF: 3.318; SCI ranking: 14.7%)
- Chao, B. F., and H. Ding, 2016, "Global coseismic geodynamic changes induced by all major earthquakes", *J. Geophys. Res.*, 121, doi:10.1002/2016JB013161. (SCI) (IF: 3.318; SCI ranking: 14.7%)
- Wada, Y., J. Reager, B. F. Chao, J. Wang, M. H. Lo, C. Song, Y. Li, A. S. Gardner, 2016, "Recent changes in land water storage and its contribution to sea level change", *Survey in Geophysics*, doi:10.1007/s10712-016-9399-6. (SCI) (IF: 3.622; SCI ranking: 14.8%)
- Mouyen, M., B. F. Chao*, C. Hwang, and W. C. Hsieh, 2016, "Gravity monitoring of Tatun Volcanic Group activities and inference for underground fluid circulations", *Journal of Volcanology and Geothermal Research*, doi:10.1016/j.jvolgeores.2016.10.001. (SCI) (IF: 2.674; SCI ranking: 21.2%)
- Chao, B. F., 2016, "Caveats on the equivalent-water-thickness and surface mascon solutions derived from the GRACE satellite-observed time-variable gravity", *J. Geodesy*, 90(9), 807-813. (SCI) (IF: 2.486; SCI ranking: 33.3%,28.6%)
- Chang, E. T., B. F. Chao, G. Y. Chen, and J. M. Liao, 2016, "Internal tides recorded at ocean bottom off the coast of Southeast Taiwan", *J. Geophys. Res.*, 10.1002/2015JC011370. (SCI) (IF: 3.318; SCI ranking: 14.7%)

陳宏宇 (CHEN, HONG-YUE)

- Hsin Tung*, Horng-Yue Chen, Jyr-Ching Hu, Kuo-En Ching, Hongey Chen, Kuo-Hsin Yang, 2016,

“Transient deformation induced by groundwater change in Taipei metropolitan area revealed by high resolution X-band SAR interferometry”, *Tectonophysics*, 692,265–277. (SCI) (IF: 2.65; SCI ranking: 28.4%)

H. Lee, J.-O. Lee, T. A. Musa & H.-Y. Chen, 2016, “A novel approach to design measurement models of single-frequency GPS receivers for cost-effective structural monitoring networks. ”, *Survey Review*, 1-11. (SCI) (IF: 0.573; SCI ranking: 76.2%,96.4%,93.5%)

陳國誠 (CHEN, KOU-CHENG)

Wang*, J.H., K.C. Chen, P.L. Leu, and C.H. Chang, 2016, “Studies on aftershocks in Taiwan: A review”, *TERRESTRIAL ATMOSPHERIC AND OCEANIC SCIENCES*, 27(6), 769-789. (SCI) (IF: 0.556; SCI ranking: 94%,85.2%,91.7%)

Wang*, J.H., K.C. Chen, P.L. Leu, and C.H. Chang, 2016, “Precursor times of abnormal b-values prior to mainshocks”, *JOURNAL OF SEISMOLOGY*, 20, 905-919. (SCI) (IF: 1.55; SCI ranking: 51.9%)

戚務正 (CHI, WU-CHENG)

Berndt, C., C. Hensen, C. Mortera-Gutierrez, S. Sarkar, S. Geilert, M. Schmidt, V. Liebetrau, R. Kipfer, F. Scholz, M. Doll, S. Muff, J. Karstens, S. Planke, S. Petersen, C. Böttner, W.-C. Chi, M. Moser, R. Behrendt, A. Fiskal, M.A. Lever, C.-C. Su, L. Deng, M.S. Brennwald, and D. Lizarralde, 2016, “Rifting under steam—How rift magmatism triggers methane venting from sedimentary basins, ”, *GEOLOGY*, 48, 120-125. (SCI) (IF: 4.548; SCI ranking: 2.1%)

鍾孫霖 (CHUNG, SUN-LIN)

Searle, M.P., N. Rogers, S.-L. Chung, Y.-H. Lee, K.L. Cook, J.R. Elliot, O.M. Weller, M.R. St-Onge, X.W. Xu, X.B. Tan, K. Li, 2016, “Age and anatomy of the Gongga Shan batholith, eastern Tibetan plateau and its relationship to the active Xianshui-he fault.”, *Geosphere*, 12, 948-970, doi:10.1130/GES01244.1.. (SCI) (IF: 2.262; SCI ranking: 31%)

Ivanov, A.V., E.I. Demonterova, L.Z. Reznitskii, I.G. Barash, S.G. Arzhannikov, A.V. Arzhannikova, C.-H. Hung, S.-L. Chung, Y. Iizuka, 2016, “Catastrophic outburst and tsunami flooding of Lake Baikal: U-Pb detrital zircon provenance study of the Palaeo-Manzurka megaflood sediments.”, *INTERNATIONAL GEOLOGY REVIEW*, 58, 1818-1830.. (SCI) (IF: 2.365; SCI ranking: 14.9%)

Ji, W.-Q., F.-Y. Wu, S.-L. Chung, X.-C. Wang, C.-Z. Liu, Q. Li, Z.-C. Liu, X.-C. Liu, J.-G. Wang, 2016, “Eocene Neo-Tethyan slab breakoff constrained by 45 Ma OIB-type magmatism in southern Tibet.”, *GEOLOGY*, 44, 283-286.. (SCI) (IF: 4.548; SCI ranking: 2.1%)

Wang, B.D., L.Q. Wang, S.-L. Chung, J.L. Chen, F.G. Yin, H. Liu, X.B. Li, L.K. Chen, 2016, “Evolution of the Bangong-Nujiang Tethyan ocean: Insights from geochronology and geochemistry of mafic rocks within ophiolites.”, *LITHOS*, 245, 18-33.. (SCI) (IF: 3.723; SCI ranking: 13.6%,13.8%)

Tseng, T.-L., H.-C. Hsu, P.-R. Jian, B.-S. Hunag, J.-C. Hu, S.-L. Chung, 2016, “Focal mechanism and stress variations in the Caucasus and NE Turkey from constraints of regional waveforms.”,

TECTONOPHYSICS, 691, 362-374.. (SCI) (IF: 2.65; SCI ranking: 28.4%)

- Lee, H.-Y. S.-L. Chung, H.-M. Yang, 2016, "Late Cenozoic volcanism in central Myanmar: Geochemical characteristics and geodynamic significance.", *LITHOS*, 245, 174-190.. (SCI) (IF: 3.723; SCI ranking: 13.6%,13.8%)
- Li, S., S.-L. Chung, S.A. Wilde, T. Wang, W.-J. Xiao, Q. Guo, 2016, "Linking magmatism with collision in an accretionary orogen.", *SCIENTIFIC REPORTS*, 6, DOI: 10.1038/srep25751.. (SCI) (IF: 5.228; SCI ranking: 11.1%)
- Pang, K.-N., S.-L. Chung, M.H. Zarrinkoub, X.-H. Li, H.-Y. Lee, T.-H. Lin, H.-Y. Chiu, 2016, "New age and geochemical constraints on the origin of Quaternary adakite-like lavas in the Arabia Eurasia collision zone.", *LITHOS*, 264, 348-359.. (SCI) (IF: 3.723; SCI ranking: 13.6%,13.8%)
- Singh, A.K., S.-L. Chung, R.K. Bikramaditya, H.-Y. Lee, 2016, "New U-Pb zircon ages of plagiogranites from the Nagaland-Manipur ophiolites, Indo-Myanmar orogenic belt, NE India.", *JOURNAL OF THE GEOLOGICAL SOCIETY*, doi:10.1144/jgs2016-048.. (SCI) (IF: 2.473; SCI ranking: 26.1%)
- Zhai, Q.-G., B.-m. Jahn, J. Wang, P.Y. Hu, S.-L. Chung, H.-Y. Lee, S.H. Tang, Y. Tang, 2016, "Oldest Paleo-Tethyan ophiolitic mélangé in the Tibetan plateau.", *GEOLOGICAL SOCIETY OF AMERICA BULLETIN*, 128, 255-378.. (SCI) (IF: 4.332; SCI ranking: 6.5%)
- Wang, Q., C.J. Hawkesworth, D. Wyman, S.-L. Chung, F.-Y. Wu, X.-H. Li, Z.-X. Li, X.-Z. Zhang, G.-J. Tang, Y.-H. Dong, 2016, "Pliocene-Quaternary crustal melting in central and northern Tibet and insights into crustal flow.", *Nature Communications*, 7, DOI: 10.1038/ncomms11888. (SCI) (IF: 11.329; SCI ranking: 4.8%)
- Lorenzo Fedele, Ioan Seghedi, Sun-Lin Chung, Fabio Laiena, Te-Hsien Lin, Vincenzo Morra, Michele Lustrino, 2016, "Post-collisional magmatism in the Late Miocene Rodna-Bârgău district (East Carpathians, Romania): Geochemical constraints and petrogenetic models", *LITHOS*, 266–267, P.367–382. (SCI) (IF: 3.723; SCI ranking: 13.6%,13.8%)
- Rehman, H., H.-Y. Lee, S.-L. Chung, T. Khan, P.J. O'Brien, H. Yamamoto, 2016, "Source and mode of the Permian Panjal Trap magmatism: Evidence from zircon U-Pb and Hf isotopes and trace element data from the Himalayan ultrahigh-pressure rocks.", *LITHOS*, 260, 286-299.. (SCI) (IF: 3.723; SCI ranking: 13.6%,13.8%)
- Liu, C.-Z., S.-L. Chung, F.-Y. Wu, C. Zhang, Y. Xu, J.-G. Wang, Y. Chen, 2016, "Tethyan suturing in SE Asia: Zircon U-Pb and Hf-O isotopic constrains from Myanmar ophiolites.", *GEOLOGY*, 44, 311-314.. (SCI) (IF: 4.548; SCI ranking: 2.1%)
- Chen, W.-S., Y.-C. Huang, C.-H. Liu, H.-Y. Feng, S.-L. Chung, Y.-H. Lee, 2016, "U-Pb zircon geochronology constraints on the ages of the Tananao Schist Belt and timing of orogenic events in Taiwan: Implications for a new tectonic evolution of the South China Block during the Mesozoic.", *TECTONOPHYSICS*, 686, 68-81.. (SCI) (IF: 2.65; SCI ranking: 28.4%)
- Beyarslan, M., Y.-C. Lin, A.F. Bingol, S.-L. Chung, 2016, "Zircon U-Pb age and geochemical constraints on the origin and tectonic implication of Cadomian (Ediacaran-Early Cambrian) magmatism in SE Turkey.", *JOURNAL OF ASIAN EARTH SCIENCES*, 130, 223-238.. (SCI) (IF: 2.647; SCI ranking: 21.7%)

戴夏飛 (DESCHAMPS, FREDERIC)

Deschamps, F., and Khan, A., 2016, "Electrical conductivity as a constraint on lower mantle thermo-chemical structure", *EARTH AND PLANETARY SCIENCE LETTERS*, 450, 108-119. (SCI) (IF: 4.326; SCI ranking: 8.6%)

Legendre, C.P., Zhao, L., Deschamps, F., and Chen, Q.-F., 2016, "Layered anisotropy within the crust and lithospheric mantle beneath the Sea of Japan", *JOURNAL OF ASIAN EARTH SCIENCES*, 128, 181-195. (SCI) (IF: 2.647; SCI ranking: 21.7%)

Li, Y., Deschamps, F., and Tackley, P.J., 2016, "Small post-perovskite patches at the base of the lower mantle primordial reservoirs: insights from 2-D numerical modeling and implications for ULVZs", *GEOPHYSICAL RESEARCH LETTERS*, 43, 3215-3225. (SCI) (IF: 4.212; SCI ranking: 7.1%)

洪崇勝 (HORNG, CHORNG-SHERN)

陳松春、許樹坤、蔡慶輝、王詠絢、洪崇勝、郭富雯，2016，〈泥貫入體構造對恆春西台地及附近海域之地體構造演化影響〉，《鑛冶》，第 60 卷第 3 期，頁 7-22。

洪崇勝、陳國航、林俊宏、曾鐘億、王詠絢、費立沅、鐘三雄、陳松春、陳柏淳、魏正岳、王錦昌，2016，《經濟部中央地質調查所特刊》，共第 30 號，第 89-122 頁，台北市：經濟部中央地質調查所。

許雅儒 (HSU, YA-JU)

Hsu, Y. J.*, S. B. Yu, J. Loveless, T. Bacolcol, R. Solidum, A. L. Jr., A. Pelicano, and J. Woessner , 2016, "Interseismic deformation and moment deficit along the Manila subduction zone and the Philippine fault system", *JOURNAL OF GEOPHYSICAL RESEARCH*, doi:10.1002/2016JB013082. (SCI) (IF: 3.318; SCI ranking: 14.7%)

Kuo, Y. T., C. S. Ku, Y. G. Chen, Y. Wang, Y. N. N. Lin, Y. R. Chuang, Y. J. Hsu, F. W. Taylor, B. S. Huang, H. Tung, 2016, "Characteristics on fault coupling along the Solomon megathrust based on GPS observations from 2011 to 2014", *GEOPHYSICAL RESEARCH LETTERS*, doi: 10.1002/2016GL070188. (SCI) (IF: 4.212; SCI ranking: 7.1%)

Canitano, A., Y. J. Hsu, H. M. Lee, A. T. Linde, and S. I. Sacks , 2016, "A first modeling of dynamic and static crustal strain field from near-field dilatation measurements: example of the 2013 Mw 6.2 Ruisui earthquake, Taiwan", *JOURNAL OF GEODESY*, doi:10.1007/s00190-016-0933-6. (SCI) (IF: 2.486; SCI ranking: 33.3%,28.6%)

Chiang, P. J., Y. J. Hsu*, W. L. Chang, 2016, "Fault modeling of the 2012 Wutai, Taiwan earthquake and its tectonic implications", *TECTONOPHYSICS*, doi: 10.1016/j.tecto.2015.10.15.. (SCI) (IF: 2.65; SCI ranking: 28.4%)

黃柏壽 (HUANG, BOR-SHOUH)

Lee, S. J., T. Y. Yeh, T. C. Lin, Y. Y. Lin, T. R. A. Song, and B. S. Huang, 2016, "Two-stage composite megathrust rupture of the 2015 Mw8.4 Illapel, Chile, earthquake identified by

spectral-element inversion of teleseismic waves”, *GEOPHYSICAL RESEARCH LETTERS*, 43, doi:10.1002/2016GL068843. (SCI) (IF: 4.212; SCI ranking: 7.1%)

黃國芳 (KUO-FANG, HUANG)

Jacob N. W. Howe, Alexander M. Piotrowski, Delia W. Oppo, Kuo-Fang Huang, Stefan Mulitza, Cristiano M. Chiessi, Jurek Blusztajn, 2016, “Antarctic Intermediate Water circulation in the South Atlantic over the past 25,000 years: South Atlantic neodymium records”, *PALEOCEANOGRAPHY*, 31, 1302-1314. (SCI) (IF: 3.433; SCI ranking: 9.8%,1.9%,13.6%)

Anderson R. F., Cheng H., Edwards R. L., Fleisher M. Q., Hayes C. T., Huang K.-F., Kadko D., Lam P. J., Landing W. M., Lao Y., Lu Y., Measures C. I., Moran S. B., Morton P. L., Ohnemus D. C., Robinson L. F., Shelley R. U., 2016, “How well can we quantify dust deposition to the ocean?”, *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences*, 374(2081), 20150285. (SCI)

Paul Lerner, Olivier Marchal, Phoebe J. Lam, Robert F. Anderson, Ken Buesseler, Matthew A. Charette, R. Lawrence Edwards, Christopher T. Hayes, Kuo-Fang Huang, Yanbin Lu, Laura F. Robinson, Andrew Solow, 2016, “Testing models of thorium and particle cycling in the ocean using data from station GT11-22 of the U.S. GEOTRACES North Atlantic Section”, *DEEP-SEA RESEARCH PART I-OCEANOGRAPHIC RESEARCH PAPERS*, 113, 57-79. (SCI) (IF: 2.684; SCI ranking: 19.7%)

飯塚義之 (IIZUKA, YOSHIYUKI)

Jego, Sebastien, Michihiko Nakamura, Jun-Ichi Kimura, Yoshiyuki Iizuka, Qing Chang, Georg F. Zellmer, 2016, “Is Gold Solubility Subject to Pressure Variations in Ascending Arc Magmas?”, *GEOCHIMICA ET COSMOCHIMICA ACTA*, 188, 244-243. (SCI) (IF: 4.315; SCI ranking: 9.9%)

郭本垣 (KUO, BAN-YUAN)

Lin, S. C. and B. Y. Kuo, 2016, “Dynamics of the opposite-verging subduction zones in the Taiwan region: Insights from numerical models”, *Journal of Geophysical Research: Solid Earth*, 121(3), 2174-2192. (SCI) (IF: 3.318; SCI ranking: 14.7%)

Ko, Justin Y. T. and B. Y. Kuo, 2016, “Low radiation efficiency of the intermediate-depth earthquakes in the Japan subduction zone”, *Geophysical Research Letters*, 43, 11-11. (SCI) (IF: 4.212; SCI ranking: 7.1%)

李德春 (LEE, DER-CHUEN)

Lo, J-C., Tsednee, M., Lo, Y-C., Yang, S-C., Hu, J-M., Ishizaki, K., Kohchi, T., Lee, D-C., Yeh, K-C., 2016, “Evolutionary analysis of Fe acquisition system in *Marchantia polymorpha*”, *New Phytologist*, 211(2), 569-583. (SCI) (IF: 7.21; SCI ranking: 2.4%)

Xiao, Y., Niu, Y., Wang, K-L., Lee, D-C., Iizuka, Y., 2016, “Geochemical behaviours of chemical elements during subduction-zone metamorphism and geodynamic significance”,

INTERNATIONAL GEOLOGY REVIEW, 58:10, 1253-1277. (SCI) (IF: 2.365; SCI ranking: 14.9%)

李皓揚 (HAO-YANG, LEE)

Lee, H.-Y.*, Chung, S.-L. and Yang, H.-M., 2016, "Late Cenozoic volcanism in central Myanmar: Geochemical characteristics and geodynamic significance", *LITHOS*, 245: 174-190. (SCI) (IF: 3.723; SCI ranking: 13.6%,13.8%)

Pang, K.-N., Chung, S.-L., Zarrinkoub, M.H., Li, X.-H., Lee, H.-Y., Lin, T.-H. and Chiu, H.-Y., 2016, "New age and geochemical constraints on the origin of Quaternary adakite-like lavas in the Arabia-Eurasia collision zone", *LITHOS*, 264: 348-359. (SCI) (IF: 3.723; SCI ranking: 13.6%,13.8%)

Singh, A.K., Chung, S.-L., Bikramaditya, R.K. and Lee, H.-Y., 2016, "New U-Pb zircon ages of plagiogranites from the Nagaland-Manipur Ophiolites, Indo-Myanmar Orogenic Belt, Northeast India", *JOURNAL OF THE GEOLOGICAL SOCIETY*, doi:10.1144/jgs2016-048. (SCI) (IF: 2.473; SCI ranking: 26.1%)

Zhai, Q.-G., Jahn, B.-M., Wang, J., Hu, P.-Y., Chung, S.-L., Lee, H.-Y., Tang, S.-H. and Tang, Y., 2016, "Oldest Paleo-Tethyan ophiolitic mélangé in the Tibetan plateau", *GEOLOGICAL SOCIETY OF AMERICA BULLETIN*, 128: 255-378. (SCI) (IF: 4.332; SCI ranking: 6.5%)

Rehman, H.U., Lee, H.-Y., Chung, S.-L., Khan, T., O'Brien, P.J. and Yamamoto, H., 2016, "Source and mode of the Permian Panjal Trap magmatism: Evidence from zircon U-Pb and Hf isotopes and trace element data from the Himalayan ultrahigh-pressure rocks", *LITHOS*, 260: 286-299. (SCI) (IF: 3.723; SCI ranking: 13.6%,13.8%)

李建成 (LEE, JIAN-CHENG)

Wen-Jeng Huang, Wen-Shan Chen, Yuan-Hsi Lee, Chih-Cheng Yang, Cheng-Shing Chiang, Jian-Cheng Lee, Shih-Ting Lu, 2016, "Insights from heterogeneous structures of the 1999 Mw 7.6 Chi-Chi earthquake thrust termination in and near Chushan excavation site, Central Taiwan", *Journal of Geophysical Research: Solid Earth*, 121(1), 339-364. (SCI) (IF: 3.318; SCI ranking: 14.7%)

李羅權 (LEE, LOU-CHUANG)

Kun-Han Lee* and Lou-Chuang Lee, 2016, "Generation of He⁺ and O⁺ EMIC waves by the bunch distribution of O⁺ ions associated with fast magnetosonic shocks in the magnetosphere", *Geophysical Research Letters*, 43, 9406. (SCI) (IF: 4.212; SCI ranking: 7.1%)

B. T. Tsurutani*, R. Hajra, T. Tanimori, A. Takada, R. Bhanu, A. J. Mannucci, G. S. Lakhina, J. U. Kozyra, K. Shiokawa, L. C. Lee, E. Echer, R. V. Reddy, and W. D. Gonzalez, 2016, "Heliospheric plasma sheet (HPS) impingement onto the magnetosphere as a cause of relativistic electron dropouts (REDs) via coherent EMIC wave scattering with possible consequences for climate change mechanisms", *Journal of Geophysical Research: Space Physics*, 121, doi:10.1002/2016JA022499,. (SCI) (IF: 3.318; SCI ranking: 14.7%)

Jann-Yenq Liu*, Loren Chee-Wei Chang, Chi-Kuang Chao, Ming-Quey Chen, Yen-Hsyang Chu, Lin-Ni Hau, Chien-Ming Huang, Cheng-Ling Kuo, Lou-Chuang Lee, Ling-Hsiao Lyu, Chia-Hsien Lin, Chen-Jeih Pan, Jih-Hong Shue, Ching-Lun Su, Lung-Chih Tsai, Ya-Hui Yang, Chien-Hung Lin, Rue-Ron Hsu, Han-Tzong., 2016, “The fast development of solar terrestrial sciences in Taiwan”, *Geoscience Letters*, 3:18,.

L. Yang*, L. C. Lee*, J. K. Chao, W. C. Hsieh, Q. Y. Luo, J. P. Li, J. K. Shi, D. J. Wu, 2016, “Observational Evidence for the Relationship Between Walén Slope and Amplitude Ratio of Inward to Outward Alfvén Waves in the Solar Wind”, *The Astrophysical Journal*, 43, 9406., (SCI) (IF: 5.909; SCI ranking: 12.9%)

李憲忠 (LEE, SHIANN-JONG)

Lee, S. J., T. Y. Yeh, and Y. Y. Lin, 2016, “Anomalously large ground motion in the 2016 ML 6.6 Meinong, Taiwan, earthquake: A synergy effect of source rupture and site amplification”, *SEISMOLOGICAL RESEARCH LETTERS*, 87, 6. (SCI) (IF: 2.989; SCI ranking: 23.5%)

Liao, Y. W., Y. T. Yen, S. J. Lee, and K. F. Ma, 2016, “1909 Taipei Earthquake Ground Motion Simulation”, *TERRESTRIAL ATMOSPHERIC AND OCEANIC SCIENCES*, 27(3), 415-430. (SCI) (IF: 0.556; SCI ranking: 94%,85.2%,91.7%)

Wen, Y. Y., Y. T. Yen, St. Wen, S. J. Lee, C. H. Kuo, and Y. Y. Lin, 2016, “Hybrid Ground Motion Simulation for the 2013 ML 6.4 Ruisui, Taiwan Earthquake”, *TERRESTRIAL ATMOSPHERIC AND OCEANIC SCIENCES*, 27(3), 407-414. (SCI) (IF: 0.556; SCI ranking: 94%,85.2%,91.7%)

Lee, S. J., T. Y. Yeh, T. C. Lin, Y. Y. Lin, T. R. A. Song, and B. S. Huang, 2016, “Two-stage composite megathrust rupture of the 2015 Mw8.4 Illapel, Chile, earthquake identified by spectral-element inversion of teleseismic waves”, *Geophys. Res. Lett.*, 43. (SCI) (IF: 4.212; SCI ranking: 7.1%)

梁文宗 (LIANG, WEN-TZONG)

Yih-Min Wu*, Wen-Tzong Liang, Himanshu Mittal, Wei-An Chao, Cheng-Horng Lin, Bor-Shouh Huang, and Che-Min Lin, 2016, “Performance of a Low-Cost Earthquake Early Warning System (P-Alert) during the 2016 M L 6.4 Meinong (Taiwan) Earthquake”, *SEISMOLOGICAL RESEARCH LETTERS*, 87(5). (SCI) (IF: 2.989; SCI ranking: 23.5%)

Kai-Xun Chen, Hao Kuo-Chen*, Dennis Brown, Qiusheng Li, Zhuo Ye, Wen-Tzong Liang, Chen-Ying Wang, and Huaijian Yao, 2016, “Three-dimensional ambient noise tomography across the Taiwan Strait: The structure of a magma-poor rifted margin”, *TECTONICS*, 35(7), DOI: 10.1002/2015TC004097. (SCI) (IF: 3.75; SCI ranking: 12.3%)

Wen-Tzong Liang, Kate Huihsuan Chen*, Yu-Feng Wu, Eric Yen, Chun-Yen Chang, 2016, “Earthquake school in the cloud: Citizen seismologists in Taiwan”, *SEISMOLOGICAL RESEARCH LETTERS*, 87(1), 177-185. (SCI) (IF: 2.989; SCI ranking: 23.5%)

林正洪 (LIN, CHENG-HORNG)

Lin, C.H., 2016, “Evidence for a magma reservoir beneath the Taipei metropolis of Taiwan from both

S-wave shadows and P-wave delays”, *SCIENTIFIC REPORTS*, Vol. 6, 39500. (SCI) (IF: 5.228; SCI ranking: 11.1%)

Lin, C.H. and H.C. Pu, 2016, “Very-long-period seismic signals at the Tatun Volcano group, northern Taiwan”, *JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH*, Vol. 328, 230-236. (SCI) (IF: 2.674; SCI ranking: 21.2%)

Wu, Y.M., W.T. Liang, H. Mittal, W.A. Chao, C.H. Lin, B.S. Huang and C.M. Lin, 2016, “Performance of a low-cost earthquake early warning (P-alert) during 2016 ML6.4 Meinong (Taiwan) earthquake”, *BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA*, Vol. 84, No. 5, 1-9. (SCI) (IF: 2.311; SCI ranking: 38.3%)

Wen, H.Y., T.F. Yang, T F. Lan, H.F. Lee, C.H. Lin, Y. Sano, C.H. Chen, 2016, “Soil CO₂ flux in hydrothermal areas of the Tatun volcano group, northern Taiwan”, *JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH*, Vol. 321, 114-124. (SCI) (IF: 2.674; SCI ranking: 21.2%)

Pu, C.H. and C.H. Lin, 2016, “Probable slow slips in the mid-crust of Hsinchu, northwestern Taiwan: temporal correlation between normal faulting earthquakes and relative uplift”, *JOURNAL OF ASIAN EARTH SCIENCES*, Vol. 122, 80-90. (SCI) (IF: 2.647; SCI ranking: 21.7%)

林欽仁 (CHIN-JEN, LIN)

Toshiro Tanimoto, Chin-Jen Lin, Céline Hadziioannou, Heiner Igel, Frank Vernon , 2016, “Estimate of Rayleigh-to-Love wave ratio in the secondary microseism by a small array at Piñon Flat observatory, California ”, *Geophysical Research Letters*, Volume 43, Issue 21. (SCI) (IF: 4.212; SCI ranking: 7.1%)

彭君能 (PANG, KWAN NANG)

Pang, K.-N.*, Chung, S.-L., Zarrinkoub, M.H., Li, X.-H., Lee, H.-Y., Lin, T.-H., Chiu, H.-Y., 2016, “New age and geochemical constraints on the origin of Quaternary adakite-like lavas in the Arabia–Eurasia collision zone”, *LITHOS*, 264, 348-359. (SCI) (IF: 3.723; SCI ranking: 13.6%,13.8%)

譚諤 (TAN, EH)

Patricia Persaud*, Eh Tan, Juan Contreras, Luc Lavier, 2016, “A bottom-driven mechanism for distributed faulting in the Gulf of California rift”, *TECTONOPHYSICS*, 10.1016/j.tecto.2016.11.024. (SCI) (IF: 2.65; SCI ranking: 28.4%)

王錦華 (WANG, JEEN-HWA)

Wang, Jeen-Hwa, K.C. Chen, P.L. Leu, and C.H. Chang, 2016, “Studies of aftershocks in Taiwan: A review”, *TERRESTRIAL ATMOSPHERIC AND OCEANIC SCIENCES*, 27(6), 269-289.

Wang, Jeen-Hwa, 2016, “Slip of a one-body spring-slider model in the presence of slip-weakening friction and viscosity”, *ANNALS OF GEOPHYSICS*, 59(5), S0541. (SCI) (IF: 0.679; SCI ranking: 80.2%)

- Jeen-Hwa Wang, 2016, "A mechanism causing b-value anomalies prior to a mainshock", *BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA*, 106(4), 1663-1671. (SCI) (IF: 2.311; SCI ranking: 38.3%)
- Wang, Jeen-Hwa Wang, 2016, "A dynamical study of frictional effect on scaling of earthquake source displacement spectra", *ANNALS OF GEOPHYSICS*, 59(2), S0210, 1-12. (SCI) (IF: 0.679; SCI ranking: 80.2%)
- Wang, J.H, K.C. Chen, P.L. Leu, and C.H. Chang, 2016, "Precursor times of abnormal b-values prior to earthquakes", *JOURNAL OF SEISMOLOGY*, 20. (SCI) (IF: 1.55; SCI ranking: 51.9%)
- Chang, K.H., D.H. Tsaur, and J.H. Wang, 2016, "Ground motions around a semicircular canyon with a dipping edge under SH plane wave incidenc", *JOURNAL OF SEISMOLOGY*, 20(1), 117-136. (SCI) (IF: 1.55; SCI ranking: 51.9%)
- Wang, Jeen-Hwa, 2016, "Studies of earthquake energies in Taiwan: A Review", *Terr. Atmos. Ocean. Sci.*, 27(1). (SCI) (IF: 0.556; SCI ranking: 94%,85.2%,91.7%)
- Wang, Jeen-Hwa Wang, 2016, "A way of estimating the characteristic slip displacement", *Earthquake Science*, 29(1):35-43.

王國龍 (WANG, KUO-LUNG)

- J.C. Schindlbeck*, S. Kutterolf, A. Freundt, G.D.M. Andrews, 1, K.-L. Wang, D. Völker, R. Werner, M. Frische, K. Hoernle, 2016, "Alkalic marine tephra layers at ODP Site 1241 - Major explosive eruptions from an oceanic volcano in a pre-shield stage? ", *JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH*, 328, 96-104. (SCI) (IF: 2.674; SCI ranking: 21.2%)
- Kotov, A.B.*, Velikoslavinsky, S.D., Kovach, V.P., Sorokin, A.A., Sorokin, A.P., Skovitina, T.M., Zagornaya, N.Yu., Wang, K.-L., Chung, S.-L., Jahn, B.-M., 2016, "Paleoproterozoic age of the Zeya Group, Stanovoy Complex of the Dzhugdzhur–Stanovoy Superterrane (Central Asian mobile belt): Results of Sm–Nd isotopic and U–Th–Pb geochronological (LA-ICP-MS) analyses", *DOKLADY EARTH SCIENCES*, 471(2), 1234-1237. (SCI) (IF: 0.46; SCI ranking: 96.7%)
- Schindlbeck, J.C., Kutterolf, S., Freundt, A., Alvarado, G., Wang, K.-L., Straub, S.M., Hemming, S.R., Frische, M., 2016, "Late Cenozoic tephrostratigraphy offshore the southern Central American Volcanic Arc: 1. Tephra ages and provenance", *GEOCHEMISTRY GEOPHYSICS GEOSYSTEMS*, 17(11), 4641-4668. (SCI) (IF: 2.993; SCI ranking: 21%)
- Mustafa Eren Rizeli, Melahat Beyarslan*, Kuo-Lung Wang, A. Feyzi Bingöl, 2016, "Mineral chemistry and petrology of mantle peridotites from the Guleman ophiolite (SE Anatolia, Turkey): Evidence of a forearc setting", *JOURNAL OF AFRICAN EARTH SCIENCES*, 123, 392-402. (SCI) (IF: 1.326; SCI ranking: 65.2%)
- S. Kutterolf* , J.C. Schindlbeck, F.S. Anselmetti, D. Ariztegui, M. Brenner, J. Curtis, D. Schmid, D.A. Hodell, A. Mueller, L. Pérez, W. Pérez, A. Schwab, M. Frische, K.-L. Wang, 2016, "A 400-ka tephrochronological framework for Central America from Lake Petén Itzá (Guatemala) sediments", *QUATERNARY SCIENCE REVIEWS*, 150, 200-220. (SCI) (IF: 4.521; SCI ranking: 6.1%,5.4%)

- Ju-Lien Pi, Chen-Feng You*, Kuo-Lung Wang, 2016, “The influence of Ryukyu subduction on magma genesis in the Northern Taiwan Volcanic Zone and Middle Okinawa Trough — Evidence from boron isotopes”, *LITHOS*, 206, 242-252. (SCI) (IF: 3.723; SCI ranking: 13.6%,13.8%)
- Xiao, Y., Niu, Y., Wang, K.-L., Lee, D.-C., Iizuka, Y., 2016, “Geochemical Behaviors of Chemical Elements during Subduction-Zone Metamorphism and Geodynamic Significance.”, *INTERNATIONAL GEOLOGY REVIEW*, 58, 1253-1277. (SCI) (IF: 2.365; SCI ranking: 14.9%)
- Skuzovatov, S.Yu., Wang, K.-L., Shatsky, V.S., Buslov, M., 2016, “Geochemistry, zircon U–Pb age and Hf isotopes of the North Muya block granitoids (Central Asian Orogenic Belt): Constraints on petrogenesis and geodynamic significance of felsic magmatism”, *PRECAMBRIAN RESEARCH*, 280, 14-30. (SCI) (IF: 4.037; SCI ranking: 8.2%)
- S. D. Velikoslavinskii*, A. B. Kotov, V. P. Kovach, E. V. Tolmacheva, A. M. Larin, A. A. Sorokin, A. P. Sorokin, K. L. Wang, E. B. Salnikova, 2016, “Age, sources, and provenances of protoliths of metasedimentary rocks of the Dzheltulak group, Dzheltulak suture”, *DOKLADY EARTH SCIENCES*, 468(2), 545-548. (SCI) (IF: 0.46; SCI ranking: 96.7%)
- S. D. Velikoslavinskii, A. B. Kotov, V. P. Kovach, A. M. Larin, A. A. Sorokin, A. P. Sorokin*, V. Tolmacheva, E. B. Salnikova, K. L. Wang, B. M. Jahn, S. L. Cung, 2016, “Mesozoic age of the Gilyui Metamorphic Complex in the junction zone of the Selenga–Stanovoi and Dzhugdzhur–Stanovoi superterrane, Central Asian fold belt”, *DOKLADY EARTH SCIENCES*, 468(2), 561-565. (SCI) (IF: 0.46; SCI ranking: 96.7%)
- Skuzovatov, S.Yu., Sklyarov, E.V., Shatsky, V.S., Wang, K.-L., and Kulikova, K.V., 2016, “Granulites of the South Muya block (Baikal-Muya Foldbelt): Age of metamorphism and nature of protolith”, *Russian Geology and Geophysics*, 57, 451-463. (SCI) (IF: 1.288; SCI ranking: 67.9%)

郝文哲 (YU, WEN-CHE)

- Wen-che Yu, 2016, “Detectability of temporal changes in fine structures near the inner core boundary beneath the eastern hemisphere”, *GEOPHYSICAL RESEARCH LETTERS*, 43. (SCI) (IF: 4.212; SCI ranking: 7.1%)
- Wen-che Yu, 2016, “Time-dependent inner core structures examined using repeating earthquakes in subduction zones of the southwest Pacific”, *GEOPHYSICAL JOURNAL INTERNATIONAL*, 204, 1204-1215. (SCI) (IF: 2.484; SCI ranking: 34.6%)

俞震甫 (YUI, TZEN-FU)

- Suga, K. *, T.F. Yui, J.G. Shellnutt, T.W., Wu, Y. Mori, K. Miyazaki and B.M. Jahn, 2016, “ Nd–Sr isotopic constraint to the formation of metatexite and diatexite migmatites, Higo metamorphic terrane, central Kyushu, Japan: implications for mass transfer through diatexite magma channels via hybrid silicic melt”, *INTERNATIONAL GEOLOGY REVIEW*, 58, 405-423. (SCI) (IF: 2.365; SCI ranking: 14.9%)
- Laskar, A.H., T.F. Yui*, M.-C. Liang., 2016, “Clumped Isotope Composition of Marbles from the Backbone Range of Taiwan.”, *Terra Nova*, 28, 265-270. (SCI) (IF: 2.758; SCI ranking: 20.1%)

Hwang, S.L.*, P. Shen, H.T. Chu, T.F. Yui, M.E. Varela and Y. Iizuka, 2016, "Kuratite, $\text{Ca}_4(\text{Fe}_2+10\text{Ti}_2)\text{O}_4[\text{Si}_8\text{Al}_4\text{O}_3\text{6}]$, the Fe^{2+} -analogue of rhönite, a new rhönite subgroup mineral from angrite D'Orbigny", *MINERALOGICAL MAGAZINE*, 80, 1067-1076. (SCI) (IF: 2.212; SCI ranking: 27.6%)

Hwang, S.L.*, P. Shen, H.T. Chu, T.F. Yui, , 2016, "On the forbidden and the optimum crystallographic variant of rutile in garnet.", *J. Appl. Crystallogr.*, 49, 1922-1940. (SCI) (IF: 2.57; SCI ranking: 26.9%,37.4%)

趙里 (ZHAO, LI)

M.-C. Hsieh, L. Zhao, C. Ji, and K.-F. Ma, 2016, "Efficient inversions for earthquake slip distributions in three-dimensional structures", *SEISMOLOGICAL RESEARCH LETTERS*, 87, 1-13. (SCI) (IF: 2.989; SCI ranking: 23.5%)

C. Legendre*, L. Zhao, F. Deschamps, and Q.-f. Chen, 2016, "Layered anisotropy within the crust and lithospheric mantle beneath the Sea of Japan", *JOURNAL OF ASIAN EARTH SCIENCES*, 128, 181-195. (SCI) (IF: 2.647; SCI ranking: 21.7%)

W.-A. Chao, L. Zhao, S.-C. Chen, Y.-M. Wu, C.-H. Chen, H.-H. Huang, 2016, "Seismology-based early identification of dam-formation landquake events", *Scientific Reports*, 6, 19259. (SCI) (IF: 5.228; SCI ranking: 11.1%)

Singh*, A. P., Zhao, L., Kumar, S., and Mishra, S., 2016, "Inversions for earthquake focal mechanisms and regional stress in the Kachchh Rift Basin, western India: Tectonic implications", *JOURNAL OF ASIAN EARTH SCIENCES*, 117, 269-283. (SCI) (IF: 2.647; SCI ranking: 21.7%)