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#### 〔 學 歷 〕

- 1977 : Dept. Earth Sciences, Nat'l Cheng-Kung Univ. (B.S.)
- 1982 : Inst. Mining, Metallurgy and Material Sciences, Nat'l Cheng-Kung Univ. (M.S.)
- 1989 : Inst. Geology, Nat'l Taiwan Univ. (Ph.D.)

#### 〔 經 歷 〕

- 1980/08 - 1982/08 : Teaching Assistant, Dept. Earth Sciences, Nat'l Cheng-Kung Univ.
- 1982/07 - 1990/01 : Assistant Research Fellow, Inst. Earth Sciences, Academia Sinica
- 1990/04 - 1992/07 : Exchange Scholar, Dept. Geology and Geophysics, Univ. California, Berkeley, USA
- 1990/01 - 2000/09 : Associate Research Fellow, Inst. Earth Sciences, Academia Sinica
- 2006/09 - 2008/08 : Deputy Director, Inst. Earth Sciences, Academia Sinica
- 2010/09- 2013/5/11: Deputy Director, Inst. Earth Sciences, Academia Sinica

#### 〔 榮 譽 〕

- 1984-1990 and 1992-1996 : Researcher Award, National Science Council
- 1984-1990 and 1992-1996 : Researcher Award , National Science Council
- 1988 : Outstanding Young People in Taipei
- 1996 : Distinguished Young Researcher award in Academia Sinica

#### 〔 學 會 〕

- American Geophysical Union
- Geological Society of China

#### 〔 著 作 〕

### PAPERS

1. Shogo Komori, Mitsuru Utsugi, Tsuneomi Kagiya, Shin Yoshikawa, **Chang Hwa Chen**, and Benjamin Fong Chao (2017) Resistivity mapping in the Tatun Volcano Group, Northern Taiwan, revealed by VLF-MT surveys, Terr. Atmos. Ocean. Sci., 28, 833-842.
2. Shogo Komori, Mitsuru Utsugi, Tsuneomi Kagiya, Hiroyuki Inoue, **Chang-Hwa Chen**, Hsieh-Tang Chiang, Benjamin Fong Chao, Ryohei Yoshimura & Wataru Kanda (2014) Hydrothermal system in the Tatun Volcano Group, northern Taiwan, inferred from crustal resistivity structure by audio-magnetotellurics. Progress in Earth and Planetary Science, 1:20.

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4. Belousov A., Belousova M. and **Chen Chang-Hwa**, G. F. Zellmer (2010) Deposits, character and timing of recent eruptions and large-scale collapses in Tatun Volcanic Group, Northern Taiwan: hazard-related issues. *J. Volcanol. Geotherm. Res.*, 191, 205-221.(SCI)
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8. Ku Y. P., **Chen Chang-Hwa**, Newhall C.G., Song S. R., Yang F. T. and McGeehin J. (2008) Determining an age of ~81 ka for the Inararo Tuff eruption of Mt. Pinatubo based on the correlation with a distal ash layer in core MD97-2142, south China Sea. *Quaternary International*, 178, 138-145. (SCI)
9. **Chen Chang-Hwa** and Shen J. J.-S. (2005) The refined historical records of volcanic eruption around Taiwan: As the tectonic implication in the arc-continent collision area. *Terr. Atmos. Ocean. Sci.*, 16, 331-343. (SCI)
10. Li X.H., Chung S. L., Zhou H. W., Lo C. H., Liu Y. and **Chang-Hwa Chen** (2004) Jurassic intraplate magmatism in southern Hunan - eastern Guangxi: 40Ar/39Ar dating, geochemistry, Sr-Nd isotopes and implications for the tectonic evolution of SE China. Malpas J., Fletcher C. J. N., Ali J. R. and Aitchison J. C. (Eds.) *Aspects of the Tectonic Evolution of China*. Geological Society London, Special Publications, 226, 193-215.
11. Lowemark, L., **Chen Chang-Hwa**, Huh, C.-A., Lee, T.-Q. Ku, Y.-P., Wei, K.-Y., Chen, C.-W., Chiu, T.-C., Chen, M.-T., (2004) Biogenic reworking of tephra layers in the South China Sea (core MD972142) and the Celebes Sea (core MD012388). *Berita Sedimentologi*, Special issue on Ichnofossils, 19, 31-41.
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13. **Chen Chang-Hwa** and Shen J. J.-S. (2004) The refined historical records of volcanic eruption around Taiwan: Tectonic Implication in the arc-continent collision area. Submitted to TAO (2004/4) (SCI)
14. **Chen Chang-Hwa** and Shen J.J.-S. (2004) Discussions on "the IAEA Guidelines for Assessing Volcanic Hazards at Nuclear Facilities". *J. Volcanol. Geotherm. Res.*, 134, 339-342 (SCI)
15. Wang, K.L., Chung, S.L., O'Reilly, S.Y., Sun, S.-s., Shinjo, R. and **Chen Chang-Hwa**, (2004) Geochemical constraints for the genesis of post-collisional magmatism and the geodynamic evolution in the northern Taiwan region. *J. Petrology*, 45, 975-1011. (SCI)
16. Song S. R., Liu C.M., **Chen Chang-Hwa** and Lo W. (2004) Pumice layers in marine terraces: implications for tectonic uplift rates on the east and northeast coasts of Taiwan. *Quaternary International*, 115-116, 83-92. (SCI)
17. Lee M. Y., **Chen Chang-Hwa**, Wei K. Y., Iizuka Y. and Carey S. (2004) The first Toba super-eruption revival. *Geology*, 32, 61-64. (SCI)
18. Lee M. Y., **Chen Chang-Hwa**, Wei K. Y., Iizuka Y. and Carey S. (2004) The first Toba super-eruption revival. *Geology*, 32, 61-64.
19. Wang K. L., Chung S. L., **Chen Chang-Hwa** and Chen C.H. (2002) Geochemical constraints on the petrogenesis of high-Mg basaltic andesites from the Northern Taiwan volcanic Zone. *Chem. Geol.* 182, 513-528.

20. Chung S. L., Wang K. L., Crawford A. J., Kamenetsky V. S., Chen C. H., Lan C. Y. and **Chen Chang-Hwa** (2001) High-Mg potassic rocks from Taiwan: Implications for the genesis of orogenic potassic lavas. *Lithos*, 59, 153-170.
21. Chen C-H, Chung S-H, Hwang H-H, **Chen Chang-Hwa**, Chung S. L. (2001) Petrology and geochemistry of Neogene continental basalts and related rocks in northern Taiwan (III): alkali basalts and tholeiites from Shiting-Yinko area. *Western Pacific Earth Sci.*, 1, 19-46
22. **Chen Chang-Hwa**, Nakada S., Ishihara K. and Wu C. T., (2000) Magma variations with time of a Decade Volcano-Sakurajima, SW Japan. In "State of the Arc 2000: Processes and timescales". Smith I. E. M., Davidson J. P., Gamble J. A. and Price R. C. (eds). The Royal Society of New Zealand, 36-38.
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#### REPORTS:

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2. **Chen Chang-Hwa**, Lee Typhoon, Chen C. H., Shieh Y. N. and Lan C. Y., (1988) The isotope and geochemistry of arc rocks of eastern Taiwan. ASIIES-CR 8805.
3. Liu K. K., **Chen Chang-Hwa** and Chen P. Y. (1987) Mineralogy and isotope of carbonaceous matter, carbonate and clay minerals on the pelitic rocks of northern Central Range, Taiwan. ASIIES-CR8704.
4. Liu K. K., **Chen Chang-Hwa**, Shieh Y. N. and Chiang S. C. (1984), Carbon, hydrogen and oxygen stable isotope geochemistry of the Tatun area, northern Taiwan. 39pp. ASIIES-CR8401.
5. **Chen Chang-Hwa** (1982) Hydrothermal alteration of andesite and the guides to the exploration of geothermal energy. National Cheng-Kung University. M.S. thesis. 99pp.
6. **Chen Chang-Hwa** (1977) Mineralogy of amygdaloidal and fissure filling minerals in the basaltic rocks from Chiaopashan-Kuanhsi-chutung area, northern Taiwan. National Cheng-Kung University. B.S. thesis, 62pp.

#### BOOK:

1. Li X.H., Chung S. L., Zhou H. W., Lo C. H., Liu Y. and **Chang-Hwa Chen** (2004) Jurassic intraplate magmatism in southern Hunan - eastern Guangxi:  $^{40}\text{Ar}/^{39}\text{Ar}$  dating, geochemistry, Sr-Nd isotopes and implications for the tectonic evolution of SE China. Malpas J., Fletcher C. J. N., Ali J. R. and Aitchison J. C. (Eds.) *Aspects of the Tectonic Evolution of China*. Geological Society London, Special Publications, 226, 193-215.