



扈治安 研究員(2015-01-21 辭世)  
Huh, Chih-An Research Fellow (2015-01-21 Passed away)

研究領域：放射化學、鈾系不平衡、同位素地球化學

Specialty: Radiochemistry, Uranium-Series Disequilibrium,  
Isotope Geochemistry

扈先生接受訪問的影片 置於 Youtube：

地質名人錄 扈治安 1 童年&對地質有興趣 <https://www.youtube.com/watch?v=JUUTfjAufkI>

地質名人錄 扈治安 2 出野外 <https://www.youtube.com/watch?v=y9t-GKU04pY>

地質名人錄 扈治安 3 對於研究與目前研究 <https://www.youtube.com/watch?v=Y2PXqCUKPb0>

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#### 〔經 歷〕

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[ 著 作 ]

SCI Articles

1. Wang, L.-C., H. Behling, T.-Q. Lee, H.-C. Li, **C.-A. Huh**, L.-J. Shiau, Y.-P. Chang\*, 2014, "Late Holocene environmental reconstructions and the implications on flood events, typhoon patterns, and agriculture activities in NE Taiwan", *Climate of the Past*, 10(5), 1857-1869.
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5. Fan, Y.\*, **C.A. Huh**, J. Lan, M. Zhao, Z. Zhao\*, G. Li, J. Sun, G. Jiang, 2014, "Major Sources of MeO/OH-BDEs in the East China Sea Elucidated from Their Records and Phytoplankton Biomarkers", *ENVIRONMENTAL POLLUTION*, 192, 1-8.
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7. Xu, S., G. Jia\*, W. Deng, G. Wei, W. Chen, **C.-A. Huh**, 2014, "Carbon isotopic disequilibrium between seawater and air in the coastal Northern South China Sea over the past century", *ESTUARINE COASTAL AND SHELF SCIENCE*, 149, 38-45.
8. Lyle, M.\*, F. Marcantonio, W. S. Moore, R. W. Murray, **C.-A. Huh**, B. P. Finney, D. W. Murray, A. C. Mix, 2014, "Sediment size fractionation and focusing in the Equatorial Pacific: Effect on 230Th normalization and paleoflux measurements", *PALEOCEANOGRAPHY*, 29(7), 747-763.
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11. Wu, J., J. Zheng, M. Dai, **C.-A. Huh**, W. Chen, K. Tagami, and S. Uchida, 2014, "Isotopic Composition and Distribution of Plutonium in Northern South China Sea Sediments Revealed Continuous Release and Transport of Pu from the Marshall Islands", *Environmental Science & Technology*, 48, 3136-3144.
12. Partin, J.W., T.M. Quinn, C.-C. Shen, F.W. Taylor, C.R. Maupin, K. Lin, C.S. Jackson, J. Emile-Geay, J.L. Banner, D.J. Sinclair, **C.-A. Huh**, 2013, "Multi-decadal rainfall variability in south Pacific convergence zone as revealed by stalagmite geochemistry", *Geology*, 41, 1143-1146, doi:10.1130/G34718.1.

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16. Jia, G., D. Xu, W. Chen, F. Lei, Y. Bai, C.-A. Huh (2013) 100-year ecosystem history elucidated from inner shelf sediments off the Pearl River. *Marine Chemistry*, 151, 47-55.
17. Liu, J. T., S.-J. Kao, **C.-A. Huh**, C.-C. Hung (2013) Gravity flows associated with flood events and carbon burial: Taiwan as instructional source area. *Annual Review of Marine Science* 5, 47-68.
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19. Hung, J.-J., Y.-T. Yeh, **C.-A. Huh** (2012) Efficient transport of terrestrial particulate carbon in a tectonically-active marginal sea off southwestern Taiwan. *Marine Geology*, 315-318, 29-43.
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21. Shih-Chieh Hsu, **C.-A. Huh**, Chuan-Yao Lin, Wei-Nai Chen, Natalie M. Mahowald, Shaw-Chen Liu, C.C.K. Chou, Mao-Chang Liang, Chuen-Jinn Tsai, Fei-Jan Lin, Jen-Ping Chen, Yi-Tang Huang (2012) Dust transport from non-East Asian sources to the North Pacific. *Geophys. Res. Lett.* doi:10.1029/2012GL051962
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25. Horng, C.-S. and **C.-A. Huh** (2011) Magnetic properties as tracers for source-to-sink dispersal of sediments: A case study in the Taiwan Strait. *Earth Planet. Sci. Lett.*, 309, 141-152, doi:10.1016/j.epsl.2011.07.002. [PDF]
26. Shiau, L., M. Chen, S.C. Clemens, **C.-A. Huh**, M. Yamamoto and Y. Yokoyama (2011) Warm pool hydrological and terrestrial variability near southern Papua New Guinea over the past 50k. *Geophys. Res. Lett.*, 38, L00F01, doi:10.1029/2010GL045309. [PDF]
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28. Chen, W., Q. Liu, **C.-A. Huh**, M. Dai, and Y.-C. Miao (2010), Signature of the Mekong River plume in the western South China Sea revealed by radium isotopes, *J. Geophys. Res.*, 115, C12002, doi:10.1029/2010JC006460.
29. **Huh, C.-A.**, J. T. Liu, H.-L. Lin and J.P. Xu (2009) Tidal and flood signatures of settling particles in the Gaoping submarine canyon (SW Taiwan) revealed from radionuclide and flow measurements. *Marine Geology* 267, 8-17. [PDF]
30. **Huh, C.-A.**, H.-L. Lin, S.-W. Lin and Y.-W. Huang (2009) Modern accumulation rates and a budget of sediment off the Gaoping (Kaoping) River, SW Taiwan: a tidal and flood dominated depositional environment around a submarine canyon. *Journal of Marine Systems* 76, 405-416. [PDF]
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32. Liu, J.T., J.-J. Hung, H.-L. Lin, **C.-A. Huh**, C.-L. Lin, R. T. Hsu, Y.-W. Huang and J. C. Chu (2009) From suspended particles to strata: The fate of terrestrial substances in the Gaoping (Kaoping) submarine canyon. *Journal of Marine Systems*, doi:10.1016/j.jmarsys.2008.01.010, 76, 417-432.
33. Horng, C.-S., **C.-A. Huh**, K.-H. Chen, P.-R. Huang, K.-H. Hsiung and H.-L. Lin (2009) Air-pollution history elucidated from anthropogenic spherules and their magnetic signatures in marine sediments off southwestern Taiwan. *Journal of Marine Systems*, 76, 468-478.
34. Liu, J.-T., **C.-A. Huh**, C.-F. You (2009) Fate of terrestrial substances in the Gaoping (formerly spelled Kaoping) submarine canyon. *Journal of Marine Systems*, doi:10.1016/j.jmarsys.2008.08.005, 76, 367-368.
35. Zehetner, F., N. L. Vemuri, **C.-A. Huh**, S.-J. Kao, S.-C. Hsu, J.-C. Huang and Z.-S. Chen (2008) Soil and phosphorus redistribution along a steep tea plantation in the Feitsui reservoir catchment of northern Taiwan. *Soil Science and Plant Nutrition*, 54, 618-626. [\[PDF\]](#)
36. McQuay, E. L., M. E. Torres, R. W. Collier, **C.-A. Huh** and J. McManus (2008), Contribution of cold seep barite to the barium geochemical budget of a marginal basin. *Deep-Sea Research I*, 55, 801-811. [\[PDF\]](#)
37. Jeng, W.-L. and **C.-A. Huh**(2008) A comparison of sedimentary aliphatic hydrocarbon distribution between East China Sea and southern Okinawa Trough. *Continental Shelf Research* 28, 582-592. IESAS1237 [\[PDF\]](#)
38. Fang, T.-H., J.-L. Chen and **C.-A. Huh**(2007) Sedimentary phosphorus species and sedimentation flux in the East China Sea. *Continental Shelf Research* 27, 1465-1476.
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40. **Huh, C.-A.**, C.C. Su and L.J. Shiau (2006) Factors controlling temporal and spatial variations of atmospheric deposition of <sup>7</sup>Be and <sup>210</sup>Pb in northern Taiwan. *Journal of Geophysical Research-Atmospheres*, 111, D16304, doi:10.1029/2006JD007180. [\[PDF\]](#)
41. **Huh, C.-A.**, C.C. Su, C.H. Wang, S.Y. Lee, I.T. Lin (2006) Sedimentation in the Southern Okinawa Trough – rates, turbidites and a sediment budget. *Marine Geology*, 231, 129-139.[\[PDF\]](#)
42. Jeng, W.-L. and **C.-A. Huh** (2006) A comparison of sedimentary aliphatic hydrocarbon distribution between the southern Okinawa Trough and a nearby river with high sediment discharge. *Estuarine, Coastal and Shelf Sciences* 66, 217-224. [\[PDF\]](#)
43. Su, C.-A. and **C.-A. Huh** (2006) Measurements of <sup>7</sup>Be and <sup>210</sup>Pb in cloudwaters: Towards a better understanding of aerosol transport and scavenging. (NSC93-2611-M-001-002) *Geophysical Research Letters* 33, L04807, doi:10.1029/2005GL025042. [\[PDF\]](#)
44. Löwemark, L., I.-T. Lin, C.-H. Wang, **C.-A. Huh**, K.-Y. Wei and C.-W. Chen (2004) Ethology of the Zoophycos-producer: Arguments against the gardening model from δ<sup>13</sup>C<sub>org</sub> evidences of the spreiten material. *Terrestrial, Atmospheric and Oceanic Sciences*, 15(4): 713-725.
45. **Huh, C.-A.**, C.-C. Su, Y.-Y. Tu, K.-T. Shao, C.-Y. Chen and I.-J. Cheng (2004) Marine environmental radioactivity near nuclear power plants in northern Taiwan. *Journal of Marine Science and Technology*, 12(6), 418-423.(an EI Article). [\[PDF\]](#)
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47. **Huh, C.-A.** and C.-C. Su (2004) Distribution of fallout radionuclides (<sup>7</sup>Be, <sup>137</sup>Cs, <sup>210</sup>Pb and <sup>239,240</sup>Pu) in soils of Taiwan. *Journal of Environmental Radioactivity*, 77, 87-100. [\[PDF\]](#)
48. **Huh, C.-A.**, C.-C. Su, W.-T. Liang and C.-Y. Ling (2004) Linkages between turbidites in the southern Okinawa Trough and submarine earthquakes. *Geophysical Research Letters* 31, L12304, doi:10.1029/2004GL019731. [\[PDF\]](#)
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50. Su, C.-C., **C.-A. Huh** and F.-J. Lin (2003) Factors controlling atmospheric fluxes of <sup>7</sup>Be and <sup>210</sup>Pb in northern Taiwan. *Geophysical Research Letters* 30(19), 2018, doi:10.1029/2003GL018221. [\[PDF\]](#)
51. Torres, M E., J. McManus and **C.-A. Huh** (2002) Fluid seepage along the San Clemente Fault scarp: basin-wide impact on barium cycling. *Earth and Planetary Science Letters*, 203, 181-194. [\[PDF\]](#)

52. Su, C.C. and **C.-A. Huh** (2002)  $^{210}\text{Pb}$ ,  $^{137}\text{Cs}$  and  $^{239,240}\text{Pu}$  in East China Sea sediments: sources, pathways and budgets of sediments and radionuclides. *Marine Geology*, 183, 163-178. [\[PDF\]](#)
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65. **Huh, C.-A.**, K.-S. Chu, C.-L. Wei and P.-M. Liew (1996)  $\text{Pb}$ -210 and plutonium fallout in Taiwan as recorded at a subalpine lake. *Journal of Southeast Asian Earth Science*, 14(5), 373-376. [\[PDF\]](#)
66. **Huh, C.-A.** (1996) Fluxes and budgets of anthropogenic metals in the Santa Monica and San Pedro Basin, offshore California: review and reassessment. *Science of the Total Environment*, 179, 47-60. [\[PDF\]](#)
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68. **Huh, C.-A.** and F.G. Prahl (1995) Role of colloids in upper ocean biogeochemistry in the northeast Pacific elucidated from  $^{238}\text{U}$ - $^{234}\text{Th}$  disequilibria. *Limnology and Oceanography*, 40(3), 528-532.
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## Non-SCI Articles

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### **Other Publications**

1. M.S. Geochemistry of dacites from Keelungtao and Chinkuashih, North Taiwan, National Taiwan University.
2. Ph.D. Radiochemical and chemical studies of manganese nodules from three sedimentary regimes in the North