



洪佳章 研究員

(Ph. D., University of Wisconsin-Madison)

電子信箱：hungjj@mail.nsysu.edu.tw

連絡電話：886-7-5252000 ext. 5137

研究專長：海洋微量元素生地化學、海洋有機碳生地化學、水化學

發表著作：(* Corresponding author, 2011–2020)

1. **Hung J.-J.***, C.-S. Hung, C.-K. Wann, P.-Y. Hung and F. Kuo (2020) Mercury distribution and speciation in two lagoons with different pollution and eutrophication conditions in Taiwan. **Marine Pollution Bulletin** doi.org/10.1016/j.marpolbull.2020.111096.
2. **Hung, J.-J.***, C.-Y. Yang, I.-J. Lai and Y.-H. Li (2020) Rainfall and Human Impacts on Weathering Rates and Carbon-Nutrient Yields in the Watershed of a Small Mountainous River (Kaoping) in Southwestern Taiwan. **Sustainability** doi:10.3390/su12187689..
3. **Hung J.-J.***, Y.-J. Wang, C.-M. Tseng and Y.-L. Chen (2020) Controlling mechanisms and cross linkages of ecosystem metabolism and atmospheric CO₂ flux in the northern South China Sea. **Deep-Sea Research I** doi.org/10.1016/j.dsr.2019.103205
4. **Hung J.-J.***, Y.-J. Wang and C.-M. Tseng (2019) Regulation and linkages of metabolic states and atmospheric CO₂ fluxes in a tropical coastal sea off southwestern Taiwan. **Journal of Sea Research** 150-151, 24–32.
5. Liu J.T.* , B. Huang, Y. Chang , X. Dua, X. Liu, R. J. Yang, R. T. Hsu, S. Lin, **J.-J. Hung**, J. Lee, C. C. Su and Y.-P. Chang (2019) Three-dimensional coupling between size-fractionated chlorophyll-a, POC and physical processes in the Taiwan Strait in summer. **Progress in Oceanography** doi.org/10.1016/j.pocesn.2019.102129.
6. **Hung J.-J.**, S.-H. Peng, C.T. A. Chen, T.-P. Wei and J.-S. Hwang (2019) Reproductive adaptations of the hydrothermal vent crab *Xenograpsus testudinatus*: An isotopic approach. **Plos One** 14(2):e0211516. <https://doi.org/10.1371/journal.pone.0211516>.
7. **Hung J.-J.*** and Y.-C. Yeh (2019) Quantifying phosphorus sources and sinks in the Gaoping river-sea system in southwestern Taiwan. **Estuaries and Coasts** 42, 425–438.
8. **Hung J.-J.***, H.-Y. Yeh, S.-H. Peng, Y.-P. Chang and J.-S. Hwang (2018) External-forcing modulation on temporal variations of hydrothermalism—evidence from sediment cores in a submarine venting field off northeastern Taiwan. **Plos One**, doi.org/10.1371/journal.pone.0207774.
9. **Hung, J.-J.***, H.-Y. Yeh, S.-H. Peng and C.T.A. Chen (2018) Influence of submarine hydrothermalism on sulfur and metal accumulation in surface sediments in the Kueishantao venting field off northeastern Taiwan. **Marine Chemistry**, 198: 88-96.

10. Hsieh, H.-Y., **J.-J. Hung**, Y.-H. Wang and W.-T. Lo (2017) Hydrographic characteristics and community structure of epipelagic mesozooplankton in the Dongsha Atoll, South China Sea. **Marine and Freshwater Research**, doi:10.1071/MF16247.
11. Liu, J. T., R. T. Hsu, **J.-J. Hung**, Y.-P. Chang, Y.-H. Wang, R. H. Rendle-Buhring, C.-A. Huh, R.-J. Yang and C.-L. Lee (2016) From the highest to the deepest: The Gaoping River-Gaoping Submarine Canyon dispersal system. **Earth-Science Reviews**, 153: 274-300.
12. Chen Lee, Y.-L., H.-Y. Chen, S. Jan, Y.-H. Lin, T.-H. Kuo and **J.-J. Hung** (2015) Biologically active warm-core anticyclonic eddies in the marginal seas of the western Pacific Ocean. **Deep-Sea Research I**, 106:68-84.
13. **Hung, J.-J.*** C.-M. Ho and F.-K. Shiah (2014). Effects of river inputs on nutrient and organic-carbon conditions and net ecosystem metabolism in the Kaoping (Taiwan) coastal sea. **Marine and Freshwater Research**, 65(8): 697-709..
14. Chan, Isani, **Jia-Jang Hung***, Shao-Hung Peng, Li-Chun Tseng, Tung-Yuan Ho and Jiang-Shiou Hwang (2014). Comparison of metal accumulation in the azooxanthellate scleractinian coral (*Tubastraea coccinea*) from different polluted environments. **Marine Pollution Bulletin**, 85:648-658.
15. **Hung, J.-J.*** and C.-Y. Ho (2014). Typhoon- and earthquake-enhanced concentration and transport of dissolved and particulate trace metals along two submarine canyons off southwestern Taiwan. **Estuarine, Coastal and Shelf Science**, 136:179-190.
16. Hwang, J.-S., L. L'opez-L'opez, J. C. Molinero, L.-C. Tseng, Q.-C. Chen and **J.- J. Hung** (2014). Copepod assemblages in the northern South China Sea during inter-monsoon transition periods. *Journal of Sea Research*, doi: 10.1016/j.seares.2013.10.012.
17. **Hung, J.-J.***, W.-C. Huang and C.-S. Yu (2013). Environmental and biogeochemical changes following a decade's reclamation in the Dapeng Bay, southwestern Taiwan. **Estuarine, Coastal and Shelf Science**, 130:9-20.
18. Tseng, L.-C., **J.-J. Hung**, Q.-C. Chen and J.-S. Hwang (2013). Seasonality of the copepod assemblages associated with interplay waters off northeastern Taiwan. **Helgoland Marine Research**, 67:507-520.
19. Chan, I., S.-H. Peng, C.-F.Chang, J.-S. Hwang* and **J.-J. Hung*** (2012). Effects of acidified seawater on the skeleton structure of the scleractinian coral, evidence identified by SEM: An implication of coral distribution in the acidic environment. **Zoological Studies**, 51(8): 1319-1331.
20. Hsieh, W.-J., C.-C. Chen, F.-K. Shiah, **J.-J. Hung**, K.-P. Chiang, P.-J. Meng, and K.-S. Fan (2012). Community metabolism in a tropical lagoon, Taiwan:an autotrophic ecosystem induced by a natural nutrient pulse. **Environmental Engineering Science**, doi: 10.1089/ees.2011.0252.
21. Huang, C.-C., **J.-J. Hung (first authorship shared)**, Shao-Hung Peng., Ching-Nen Nathan Chen (2012). Cultivation of a thermo-tolerant microalga in an outdoor photobioreactor

- Influences of CO₂ and nitrogen sources on the accelerated growth. **Bioresource Technology**, 112:228-233.
22. **Hung, J.-J.***, E.-T. Yeh and 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.
23. Peng, S.-H., **J.-J. Hung*** and J.-S. Hwang (2011). Bioaccumulation of trace metals in the submarine hydrothermal vent crab *Xenograpsus testudinatus* off Kueishan Island, Taiwan.. **Marine Pollution Bulletin**, 63:306-401.
24. Tseng, L.-C., H.-U. Dahms, **J.-J. Hung**, Q.-C. Chen, and J.-S. Hwang (2011). Can different mesh sizes affect the results of copepod community studies?. **Journal of Experimental Marine Biology and Ecology**, 398:47-55.