

Selective publication list (5年內) (IF>2 or Ranking <20%)

2013

1. Liu, J. T., S.-J. Kao, C.-A. Huh and **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. doi: 10.1146/annurev-marine-121211-172307 (IF=14.368, Ranking: 1/60=2% in Oceanography)
2. Lee, K.E.*, J.H. Park, **Y.-P.Chang**, K. Ikehara, T. Itaki and H.K. Kwon. 2013. Stability of the Kuroshio path with respect to glacial sea level lowering. *Geophysical Research Letters* 40: 392-396, doi:10.1012/grl.50102. (IF=3.792, 9/170=5.3% in Geosciences, Multidisciplinary)
3. Chen, K.-S., **C.-C. Hung** *, G.-C. Gong, W.-C. Chou, C.-C. Chung, Y.-Y. Shih and C.-C. Wang. 2013. Enhanced POC export in the oligotrophic northwest Pacific Ocean after extreme weather events. *Geophysical Research Letters* 40: (In Press). doi: 10.1002/2013GL058300 (IF=3.982, Ranking: 11/170=6% in Geosciences, Multidisciplinary)
4. **Hung, C.-C.** *, C.-W. Tseng, G.-C. Gong, K.-S. Chen, M.-H. Chen and S.-C. Hsu. 2013. Fluxes of particle organic carbon in the East China Sea in summer. *Biogeosciences* 10: 6469-6484. doi:10.5194/bg-10-6469-2013 (IF=3.754, Ranking: 13/170=7% in Geosciences, Multidisciplinary)
5. Chen, C.-C., G.-C. Gong, F.-K. Shiah, W.-C. Chou and **C.-C. Hung**. 2013. The large variation in organic carbon consumption in spring in the East China Sea. *Biogeosciences* 10: 2931-2943. doi: 10.5194/bg-10-2931-2013 (IF=3.754, Ranking: 13/170=7% in Geosciences, Multidisciplinary)
6. Chou, W.-C., G.-C. Gong, **C.-C. Hung** and Y.-H. Wu. 2013. Carbonate mineral saturation states in the East China Sea: present conditions and future scenarios. *Biogeosciences* 10: 6453-6467. doi:10.5194/bg-10-6453-2013 (IF=3.754, Ranking: 13/170=7% in Geosciences, Multidisciplinary)
7. Lin, B.-S., P. Brimblecombe, **C.-L. Lee*** and J.T. Liu. 2013. Tracing typhoon effects on particulate transport in a submarine canyon using polycyclic aromatic hydrocarbons. *Marine Chemistry* 157: 1-11. doi:10.1016/j.marchem.2013.07.004 (IF=3.000, Ranking: 7/60=11.7% in Oceanography)
8. Cheng, J.-O., F.-C. Ko,*, **C.-L. Lee**, and M.-D. Fang. 2013. Air-water exchange fluxes of polycyclic aromatic hydrocarbons in the tropical coast, Taiwan. *Chemosphere* 90: 2614-2622. doi:10.1016/j.chemosphere.2012.11.020 (IF=3.137, Ranking: 36/210=17.1% in

Environmental Sciences)

9. Lai, I-C, Y.-C. Chang, **C-L Lee***, G.-Y. Chiou, and H.-C. Huang. 2013. Source Identification and Characterization of Atmospheric Polycyclic Aromatic Hydrocarbons along the southwestern coastal area of Taiwan – with A GMDH Approach. *Journal of Environmental Management* 115: 60-68. doi:10.1016/j.jenvman.2012.11.018 (IF=3.057, Ranking: 39/210=18.6% in Environmental Sciences)
10. Chen, H.-F.*, P.-Y. Yeh, S.-R. Song, S.-C. Hsu, T.-N. Yang, Y. Wang, Z. Chi, T.-Q. Lee, M.-T. Chen, C.-L. Cheng, J. Zou and **Y.-P. Chang**. 2013. The Ti/Al molar ratio as a new proxy for tracing sediment transportation processes and its application in aeolian events and sea level change in East Asia. *Journal of Asian Earth Sciences* 73(0): 31-38, doi:10.1016/j.jseaes.2013.04.017. (IF=2.152, 40/170=24% in Geosciences, Multidisciplinary)
11. Chen, M.T.*, C.P. Chang and **Y.-P. Chang**. 2013. Introduction to the special issue “New Global Perspectives on Paleontology, Stratigraphy, Paleooceanography, Paleoclimatology, and Tectonics in the East Asia and Western Pacific”. *Journal of Asian Earth Sciences*, 69(0): 1-2, doi:10.1016/j.jseaes.2013.04.013. (IF=2.152, 40/170=24% in Geosciences, Multidisciplinary)
12. Zhao, C., **Y.-P. Chang**, M.-T. Chen and Z. Liu*. 2013. Possible Reverse Trend in Asian Summer Monsoon Strength during the Late Holocene. *Journal of Asian Earth Sciences* 69(0): 102-112, doi:10.1016/j.jseaes.2012.09.028. (IF=2.152, 40/170=24% in Geosciences, Multidisciplinary)
13. **Chen, C.T.A.**, Huang, T.H., Chen, Y.C., Bai, Y., He, X., Kang, Y., 2013. Air–sea exchanges of CO₂ in the world's coastal seas. *Biogeosciences* 10, 6509-6544. (IF: 3.754)
14. Tang, K., Liu, K., Jiao, N., Zhang, Y., **Chen, C.T.A.**, 2013. Functional metagenomic investigations of microbial communities in a shallow-sea hydrothermal system. *PloS One* 8, e72958, doi:10.1371/journal.pone.0072958. (IF: 3.730)
15. Yang, L., Hong, H., **Chen, C.T.A.**, Guo, W., Huang, T.-H., 2013. Chromophoric dissolved organic matter in the estuaries of populated and mountainous Taiwan. *Marine Chemistry* 157, 12-23. (IF: 3.000)
16. Tung, K.A., Yang, H.Y., Liu, D.Y., Zhang, J.X., Yang, H.J., **Shau, Y.H.**, Tseng, C.Y., 2013. The Neoproterozoic granitoids from the Qilian block, NW China: Evidence for a link between the Qilian and South China blocks. *Precambrian Research* 235, 163-189. (IF: 4.441)
17. Lee HP, Huang SY, Lin YY, Wang HM, Jean YH, Wu SF, Duh CY, **Wen ZH***. Soft coral-derived lemnalol alleviates monosodium urate-induced gouty arthritis in rats by

inhibiting leukocyte infiltration and iNOS, COX-2 and c-Fos protein expression. **Marine Drugs** 2013;11:99-113. (IF=3.978; subject categories Chemistry, Medicinal, 6/59=10.2%)
*correspondent author

18. Lin YY, Jean YH, Lee HP, Chen WF, Sun YM, Su JH, Lu Y, Huang SY, Hung HC, Sung PJ, Sheu JH*, **Wen ZH***. A soft coral-derived compound, 11-epi-sinulariolide acetate suppresses inflammatory response and bone destruction in adjuvant-induced arthritis. **PLoS One** 2013;8:e62926. (IF=3.730; subject categories multidisciplinary science, 7/56=12.5%)
*correspondent author
19. **Wen ZH**, Tang CC, Chang YC, Huang SY, Chen CH, Wu SC, Hsieh SP, Hsieh CS, Wang KY, Lin SY, Lee HL, Lee CH, Kuo HC, Chen WF, Jean YH. Intra-articular injection of the selective cyclooxygenase-2 inhibitor meloxicam (Mobic) reduces experimental osteoarthritis and nociception in rat. **Osteoarthritis & Cartilage** 2013 online (IF=4.262; subject categories Orthopedics, 2/63=3.17%)
20. Chen, K.-H.; Dai, C.-F.; Lu, M.-C.; Li, J.-J.; Chen, J.-J.; Chang, Y.-C.; Su, Y.-D.; Wang, W.-H.; **Sung, P.-J.*** Secondary Metabolites from the Soft Coral *Sinularia arborea*. *Mar. Drugs* **2013**, *11*, 3372–3380. (IF=3.978, 6/59=10.2% in Chemistry, Medicinal.)
21. Hu, L.-C.; Su, J.-H.; Chiang, M.Y.-N.; Lu, M.-C.; Hwang, T.-L.; Chen, Y.-H.; Hu, W.-P.; Lin, N.-C.; Wang, W.-H.; Fang, L.-S.; Kuo, Y.-H.*; **Sung, P.-J.*** Flexibilins A–C, New Cembrane-Type Diterpenoids from the Formosan Soft Coral *Sinularia flexibilis*. *Mar. Drugs* **2013**, *11*, 1999–2012. (IF=3.978, 6/59=10.2% in Chemistry, Medicinal.)
22. Chen, T.-H.; Lu, M.-C.; Chang, Y.-C.; Su, Y.-D.; Chen, Y.-H.; Lin, N.-C.; Fang, L.-S.; Wu, Y.-C.; **Sung, P.-J.*** Discovery of New Eunicellin-based Diterpenoids from a Formosan Soft Coral *Cladiella* sp. *Mar. Drugs* **2013**, *11*, 4585–4593. (IF=3.978, 6/59=10.2% in Chemistry, Medicinal.)
23. **Liaw C.-C.**; Chen, Y.-C.; Huang, G. J.; Tsai, Y.-C.; Chien, S.-C.; Wu, J.-H.; Wang, S.-Y.; Chao, L. K.-P.; **Sung, P.-J.**; Huang, H. C.; Kuo, Y.-H. Anti-inflammatory Lanostanoids and Lactone Derivatives from *Antrodia camphorate*. *J. Nat. Prod.* **2013**, *76*, 489–494. (IF: 3.112, Plant Sciences, 27/190=14.2%)
24. Cheng, M.H. and **J.R.C. Hsu**, (2013). Effect of frontal slope on waveform inversion of a depression interfacial solitary wave across a trapezoidal obstacle. *Ocean Engineering*, 59: 164-178. doi 10.1016/j.oceaneng.2012.12.011. (SCI, IF=1.161, 2/14=14.3% in Engineering, Marine).
25. Lee, H.S., T. Yamashita, **J.R.C. Hsu**, F. Ding, (2013). Integrated modeling of the dynamic meteorological and sea surface conditions during the passage of Typhoon Morakot.

Dynamics of Atmospheres and Oceans, 59: 1-23.(SCI, IF=1.734, 31/76=40.7% in Geochemistry & Geophysics).

26. Lai, I.C., **Y.C. Chang**, C.L. Lee, G.Y. Chiou, H.C. Huang, (2013). Source identification and characterization of atmospheric polycyclic aromatic hydrocarbons along the southwestern coastal area of Taiwan e with a GMDH approach. *Journal of Environmental Management*, 115: 60-68. (SCI, 30/205=14.6% in Environmental Sciences).
27. **Chang, Y.C.**, T.T. Ko, (2013). An interactive dynamic multi-objective programming model to support better land use planning. *Land Use Policy*, 36: 13-22. (SSCI, IF=2.346, 15/90=16.7% in Environmental Studies).
28. **Chang*, S.K.**, (2013). Constructing logbook-like statistics for coastal fisheries using coastal surveillance radar and fish market data. *Marine Policy*, 43: 338-346. (SSCI, IF: 2.230/2012, ranking: International Relations 5/82=6.10%).
29. **Chang*, S.K.**, G. DiNardo, J. Farley, J. Brodziak, Z.L. Yuan, (2013). Possible stock structure of dolphinfish (*Coryphaena hippurus*) in Taiwan coastal waters and globally based on reviews of growth parameters. *Fisheries Research*, 147: 127-136 (SSCI, IF=1.695, 17/49=34.69% in Fisheries).
30. **Chang*, S.K.**, Y.C. Yang, N. Iwasaki, (2013). Whether to employ trade controls or fisheries management to conserve precious corals (Coralliidae) in the Northern Pacific Ocean. *Marine Policy*, 39: 144-153. (SSCI, IF: 2.230/2012, International Relations 5/82=6.10%)
doi:10.1016/j.marpol.2012.09.007.

2012

1. **Hung, C. C. ***, G. C. Gong and P. H. Santschi. 2012. Th-234 in different size classes of sediment trap collected particles from the Northwestern Pacific Ocean. *Geochimica et Cosmochimica Acta* 91: 60-74. doi: 10.1016/j.gca.2012.05.017 (IF=3.884, Ranking: 6/76=8% in Geochemistry & Geophysics)
2. **Chang, Y.-P.**, C.-C. Liao and W.-L. Wang*. 2012. Reconstruction of Oceanographic Changes Based on Diatom Records of the Core MD012380 since Marine Isotopic Stage 11 in the Banda Sea. *Journal of Quaternary Science*, doi:10.1002/jqs.2576. (IF=2.308, 5/49=10% in Paleontology)
3. Chung, C. C., G. C. Gong and **C. C. Hung**. 2012. Effect of Typhoon Morakot on microphytoplankton population dynamics in the subtropical Northwest Pacific. *Marine Ecology-Progress Series* 448: 39-49. doi: 10.3354/meps09490 (IF=2.546, Ranking: 16/100=16% in Marine & Freshwater Biology)

4. Huang, H.-C., **C.-L. Lee***, C.-H. Lai, M.-D. Fang and I.-C. Lai. 2012. Transboundary movement of Polycyclic Aromatic Hydrocarbons (PAHs) in the Kuroshio Sphere of the Western Pacific Ocean. *Atmospheric Environment* 54: 470-479. (IF=3.110, Ranking: 37/210=17.6% in Environmental Sciences)
5. Fang, M.-D., **C.-L. Lee***, J.-J. Jiang, F.-C. Ko and J. E. Baker. 2012. Diffusive exchange of PAHs across the air–water interface of the Kaohsiung Harbor lagoon, Taiwan. *Journal of Environmental Management* 110: 179-187. doi:10.1016/j.jenvman.2012.06.001 (IF=3.057, Ranking: 39/210=18.6% in Environmental Sciences)
6. Hsieh, H. Y., **W. T. Lo***, L. J. Wu and D. C. Liu. 2012. Larval fish assemblages in the Taiwan Strait, western North Pacific: linking with monsoon-driven mesoscale current system. *Fisheries Oceanography* 21: 125-147. (IF: 2.195, Ranking: 10/50=20% in Fisheries)
7. Wu, F. C. and **H. Y Chen***. 2012. Effects of dietary linolenic acid to linoleic acid ratio on growth, tissue fatty acid profile and immune response of the juvenile grouper *Epinephelus malabaricus*. *Aquaculture* 324–325: 111–117. (IF=2.041, 11/50=22.0% in Fisheries)
8. Hsieh, P.-C., P. Brimblecombe, **C.-L. Lee*** and S.-H. Hsu. 2012. The role of the characteristics of humic substance in binding with benzo[h]quinoline. *Environmental Toxicology and Chemistry* 31(2): 246-252. doi: 10.1002/etc.735. (IF=2.618, Ranking: 59/210=28.1% in Environmental Sciences)
9. **Chen, C.T.A.**, Huang, T.H., Fu, Y.H., Bai, Y., He, X., 2012. Strong sources of CO₂ in upper estuaries become sinks of CO₂ in large river plumes. *Current Opinion in Environmental Sustainability* 4, 179-185. (IF: 3.168)
10. **Chen, C.T.A.**, Swaney, D.P., 2012. Terrestrial-ocean transfers of carbon and nutrient across the coastal boundary. *Current Opinion in Environmental Sustainability* 4, 159-161. (IF: 3.168)
11. Huang, T.H., Fu, Y.H., Pan, P.Y., **Chen, C.T.A.**, 2012. Fluvial carbon fluxes in tropical rivers. *Current Opinion in Environmental Sustainability* 4, 162-169. (IF: 3.168)
12. Yang, L., Hong, H., Guo, W., **Chen, C.T.A.**, Pan, P.I., Feng, C.C., 2012. Absorption and fluorescence of dissolved organic matter in submarine hydrothermal vents off NE Taiwan. *Marine Chemistry* 128–129, 64-71. (IF: 3.000)
13. Kao, S.J., Terence Yang, J.Y., Liu, K.K., Dai, M., Chou, W.C., **Lin, H.L.**, Ren, H., 2012. Isotope constraints on particulate nitrogen source and dynamics in the upper water column of the oligotrophic South China Sea. *Global Biogeochemical Cycles* 26, GB2033, doi:1029/2011GB004091. (IF: 4.682)
14. Chiu, K.H., Lin, C.R., Huang, H.W., Shiea, J., **Liu, L.L.**, 2012. Toxic effects of two brominated flame retardants BDE-47 and BDE-183 on the survival and protein expression of the tubificid *Monopylephorus limosus*. *Ecotoxicology and*

Environmental Safety 84, 46-53. (IF: 2.294)

15. Loh, P.S., **Chen, C.T.A.**, Anshari, G.Z., Wang, J.T., Lou, J.Y., Wang, S.L., 2012. A comprehensive survey of lignin geochemistry in the sedimentary organic matter along the Kapuas River (West Kalimantan, Indonesia). *Journal of Asian Earth Sciences* 43, 118-129. (IF: 2.379)
16. Lui, H.K., **Chen, C.T.A.**, 2012. The nonlinear relationship between nutrient ratios and salinity in estuarine ecosystems: implications for management. *Current Opinion in Environmental Sustainability* 4, 227-232. (IF: 3.168)
17. Selvaraj, K., **Chen, C.T.A.**, Babu, C.P., Lou, J.Y., Liu, C.L., Hsu, K.J., 2012. Glacially derived material in an Inner Mongolian desert lake during Marine Isotope Stage 2. *Journal of Quaternary Science* 27, 725-733. (IF: 2.939)
18. Tung, K.A., Yang, H.Y., Liu, D.Y., Zhang, J.X., Yang, H.-J., **Shau, Y.H.**, Tseng, C.Y., 2012. The amphibolite-facies metamorphosed mafic rocks from the Maxianshan area, Qilian block, NW China: A record of early Neoproterozoic arc magmatism. *Journal of Asian Earth Sciences* 46, 177-189. (IF: 2.379)
19. Lee, C.-H.; Kao, C.-Y.; Kao, S.-Y.; Chang, C.-H.; Su, J.-H.; Hwang, T.-L.; Kuo, Y.-H.; Wen, Z.-H.*; **Sung, P.-J.*** Terpenoids from the Octocorals *Menella* sp. (Plexauridae) and *Lobophytum crassum* (Alcyonacea). *Mar. Drugs* **2012**, 10, 427–438. (IF=3.978, 6/59=10.2% in Chemistry, Medicinal.)
20. Chung, H.-M.; Hong, P.-H.; Su, J.-H.; Hwang, T.-L.; Lu, M.-C.; Fang, L.-S.; Wu, Y.-C.; Li, J.-J.; Chen, J.-J.; Wang, W.-H.*; **Sung, P.-J.*** Bioactive Compounds from a Gorgonian Coral *Echinomuricea* sp. (Plexauridae). *Mar. Drugs* **2012**, 10, 1169–1179.
21. Lin, Ying-Rong and **Chan-Shing Lin*** (2012) Genome-wide characterization of *Vibrio* phage ϕ pp2 with unique arrangements of the *mob*-like genes. *BMC Genomics* 13:224-237. (IF=4.073; Subject Categories: BIOTECHNOLOGY & APPLIED MICROBIOLOGY 26/158= 16.46 %; Times Cited: 0) (**SCI**) (Corresponding)
22. Liao, W.-Y.; Shen, C.-N.; Lin, L.-H.; Yang, Y.-L.; Han, H.-Y.; Chen, J.-W.; Kuo, S.-C.; Wu, S.-H.; **Liaw C.-C.*** Asperjinone, A Nor-Neolignan, and Terrein, A Suppressor of ABCG2-expressing Breast Cancer Cells, from Thermophilic *Aspergillus terreus*, *J. Nat. Prod.* **2012**, 75, 630-635. (IF: 3.112, Plant Sciences, 27/190=14.2%)
23. **Huang, C.C.**, J.J. Hung, S.H. Peng, C.N. 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. (SCI, IF=4.750, 1/12=8.3% in Agricultural Engineering).
24. Château, P.A., **Y.C. Chang***, H. Chen, T.T. Ko, (2012). Building a stakeholder's vision of an offshore wind-farm project: A group modeling approach. *Science of the Total Environment*,

- 420: 43-53. (SCIE, IF=3.258, 31/210=14.7% in Environmental Sciences).
25. Ko, T.T., **Y.C. Chang***, (2012). An integrated spatial planning model for climate change adaptation in coastal zones. *Ocean and Coastal Management*, 66: 36-45. (SCIE, IF=1.597, 33/80=41.0% in Water Resources).
 26. **Chang*, S.K.**, M. Maunder, (2012). Aging material matters in the estimation of von Bertalanffy growth parameters for dolphinfish (*Coryphaena hippurus*). *Fisheries Research*, 119-120: 147-153. (SCI, IF:1.695/2012, ranking: Fisheries 17/49=34.69%) (SCI, IF:1.586/2011, ranking: Fisheries 18/48=37.5%). doi:10.1016/j.fishres.2012.01.008.
 27. Kuo, B. Y, **C. C. Wang**, S. C. Lin, C. R. Lin, P. C. Chen, J. P. Jiang, H. K. Chang, (2012). Shear-wave splitting at the edge of the Ryukyu subduction zone. *Earth and Planetary Science Letters*, 355-356: 262–270. (SCI, IF= 4.34, 4/76=5.3% in Geochemistry & Geophysics).
 28. **Wang, C.C.**, P.C. Chen, C.Y. Liao, (2012). Application of CCD cameras as a versatile measurement tool for ume tank. *Ocean Engineering*, 42: 71-82. (SCI, IF=1.161, 2/14=14.3% in Engineering, Marine).
 29. **Wang, C.C.**, D. Tang, (2012). Application of underwater laser scanning for seafloor shell fragments characterization. *Journal of Marine Science and Technology*, 20(1): 95-102.

2011

1. **Chen, Y. L. Lee ***, S. Tuo and **H.Y. Chen**. 2011. Co-occurrence and transfer of fixed nitrogen from *Trichodesmium* to diatoms in the low latitude Kuroshio Current in the NW Pacific. *Marine Ecology Progress Series* 421: 25-38 (SCI). (IF=2.711, 12/97=12.4% in Marine & Freshwater Biology)
2. Jiang, J.-J., **C-L Lee***, M.-D. Fang, F.-C. Ko and J. Baker. 2011. Polybrominated Diphenyl Ethers and Polychlorinated Biphenyls in Sediments of Southwest Taiwan: Regional Characteristics and Potential Sources. *Marine Pollution Bulletin* 62(4): 815-823. doi:10.1016/j.marpolbul.2010.12.019 (IF=2.531, Ranking: 17/100=17.0% in Marine & Freshwater Biology)
3. Huang, Y.-J., **C.-L. Lee*** and M.-D. Fang. 2011. Distribution and source differentiation of PAHs and PCBs among size and density fractions in contaminated harbor sediment particles and their implications in toxicological assessment. *Marine Pollution Bulletin* 62(2): 432-439. doi: 10.1016/j.marpolbul.2010.11.022 (F=2.531, Ranking: 17/100=17.0% in Marine & Freshwater Biology)
4. **Hung, C. C. ***, G. C. Gong, F. C. Ko, H. J. Lee, H. Y. Chen, J. M. Wu, M. L. Hsu, S. C. Peng,

- F. H. Nan and P. H. Santschi. 2011. Polycyclic aromatic hydrocarbons in surface sediments of the East China Sea and their relationship with carbonaceous materials. *Marine Pollution Bulletin* 63(5-12): 464-470. doi: 10.1016/j.marpolbul.2011.03.001 (IF=2.531, Ranking: 17/100=17% in Marine and Freshwater Biology)
5. **Hung, C. C. *** and G. C. Gong. 2011. Biogeochemical responses in the southern East China Sea after typhoons. *Oceanography* 24(4): 42-51. doi: 10.5670/oceanog.2011.93 (IF=2.701, Ranking: 1/60=18% in Oceanography)
 6. Lai, I.-C., **C.-L. Lee***, K.-Y. Zeng and H.-C. Huang. 2011. Seasonal variation of Atmospheric Polycyclic Aromatic Hydrocarbons along the Kaohsiung Coast. *Journal of Environmental Management* 92(8): 2029-2037. doi: 10.1016/j.jenvman.2011.03.026 (IF=3.057, Ranking: 39/210=18.6% in Environmental Sciences)
 7. Chen*, H.-F., **Y.-P. Chang**, S.-J. Kao, M.-T. Chen, S.-R. Song, L.-W. Kuo, S.-Y. Wen, T.-N. Yang and T.-Q. Lee. 2011. Mineralogical and geochemical investigations of sediment-source region changes in the Okinawa Trough during the past 100 ka (MD012404). *Journal of Asian Earth Sciences*, doi:10.1016/j.jseaes.2010.09.015. (IF=2.152, 40/170=24% in Geosciences, Multidisciplinary)
 8. **Chen, C.T.A.**, 2011. Downwelling then upwelling again of the upwelled Kuroshio water in the southern East China Sea. *Journal of Geophysical Research: Oceans* 116, C07003, DOI: 10.1029/2011JC007030. (IF: 3.000)
 9. **Chen, C.T.A.**, 2011. Microbial carbon pump: additional considerations. *Nature Reviews Microbiology* 9, 555-555. (IF: 20.686)
 10. Lui, H.K., **Chen, C.T.A.**, 2011. Shifts in limiting nutrients in an estuary caused by mixing and biological activity. *Limnology and Oceanography*, 56: 989-998 (IF: 3.405)
 11. Selvaraj, K., **Chen, C.T.A.**, Lou, J.Y., Kotlia, B.S., 2011. Holocene weak summer East Asian monsoon intervals in Taiwan and plausible mechanisms. *Quaternary International* 229, 57-66. (IF: 1.962)
 12. **Lin, H.L.**, Sheu, D.D., Yang, Y., Chou, W. C., Hung, G. W., 2011. Stable isotopes in modern planktonic foraminifera: Sediment trap and plankton tow results from the South China Sea. *Marine Micropaleontology* 79, 15-23. (IF: 1.925)
 13. **Liu, L.L.**, Wang, J.T., Chung, K.N., Leu, M.Y., Meng, P.J., 2011. Distribution and accumulation of organotin species in seawater, sediments and organisms collected from a Taiwan mariculture area. *Marine Pollution Bulletin* 63, 535-540. (IF: 2.503)
 14. Kao, S.-Y.; Su, J.-H.; Hwang, T.-L.; Sheu, J.-H.; Wen, Z.-H.; Wu, Y.-C.*; **Sung, P.-J.*** Menelloides C and D, New Sesquiterpenoids from the Gorgonian Coral *Menella* sp. *Mar. Drugs* **2011**, 9, 1534–1542. (IF=3.978, 6/59=10.2% in Chemistry, Medicinal.)
 15. Kao, S.-Y.; Su, J.-H.; Hwang, T.-L.; Sheu, J.-H.; Su, Y.-D.; Lin, C.-S.; Chang, Y.-C.; Wang,

- W.-H.; Fang, L.-S.; **Sung, P.-J.*** Discovery of Novel Sesquiterpenoids from a Gorgonian *Menella* sp. *Tetrahedron* **2011**, 67, 7311–7315.
16. Kao, C.-Y.; Su, J.-H.; Lu, M.-C.; Hwang, T.-L.; Wang, W.-H.; Chen, J.-J.; Sheu, J.-H.; Kuo, Y.-H.; Weng, C.-F.; Fang, L.-S.; Wen, Z.-H.; **Sung, P.-J.*** Lobocrassins A–E, New Cembrane-Type Diterpenoids from the Soft Coral *Lobophytum crassum*. *Mar. Drugs* **2011**, 9, 1319–1331. (IF=3.978, 6/59=10.2% in Chemistry, Medicinal.)
 17. **Liaw C.-C.;*** Liao, W.-Y.; Chen, C.-S.; Wu, Y.-C.; Jao, S.-C.; Shen, C.-N.;;* Wu, S.-H* Calcium-chelating Capability of Tetrahydrofuranic Moieties Modulates Cytotoxicity of Annonaceous Acetogenins. *Angew. Chem. Int. Ed.* **2011**, 50, 7885–7891. (Impact factor 13.455, Chemistry, Multidisciplinary, 7/154=4.5%, * correspondence)
 18. Tang H.J., **C.C. Huang**, W.M. Chen, (2011). Dynamics of dual pontoon floating structure for cage aquaculture. *Journal of Fluids and Structures*, 27: 918-936. (SCI, IF= 2.051, 13/125=10.4% in Mechanical Engineering).
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