

China

Activities

- A co-operation with Prof. Billy Moore from South Carolina University led to the establishment of a new method for determining $^{224}\text{Ra}/^{228}\text{Th}$ disequilibrium in coastal sediments.
- A part of China-GEOTRACES was accommodated in China “973” projects. There were several cruises carried out in Chinese marginal seas during 2011. Measurements for dissolved REEs, Al, Mn, As, ^{234}Th , ^{228}Th , ^{228}Ra , ^{226}Ra , ^{224}Ra , ^{223}Ra have been conducted.
- Surface and bottom seawater samples have been collected in Bohai Bay and Laizhou Bay using the peristaltic pumping system. Several dissolved metal concentrations (Cu, Pb, Cd, Zn, Ag, Fe) have been measured.

Capacity building

- The building of a new Research Vessel specified for marine biogeochemistry research in Xiamen University has officially started. The bidding for preliminary design of XMU's new research vessel has been accomplished. The Glostten Associates Inc., a design firm based in Seattle, was the winner of the design tender.

Publications

- Cai P. et al., 2012. Measurement of $^{224}\text{Ra}:^{228}\text{Th}$ disequilibrium in coastal sediments using a delayed coincidence counter. *Marine Chemistry* 138-139, 1-6.

Submitted by Pinhe Cai