



## First records of six galatheid species (Crustacea: Decapoda: Anomura) from Chinese waters

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### Abstract

Six galatheid species are reported for the first time from Chinese waters: *Bathymunida brevirostris* (Yokoya, 1933), *Coralliogalatheia humilis* (Nobili, 1905), *Crosnierita dicata* Macpherson, 1998, *Enriquea leviantennata* (Baba, 1988), *Sadayoshia acroporae* Baba, 1972 and *Sadayoshia edwardsii* (Miers, 1884). The four genera, *Bathymunida* Balss, 1914, *Coralliogalatheia* Baba & Javed, 1974, *Enriquea* Baba, 2005 and *Sadayoshia* Baba, 1969, also represent first records for Chinese waters.

**Key words:** Crustacea, Decapoda, Anomura, Galatheidae, Chinese waters, first records

### Introduction

As one of the most diverse families of anomuran decapod crustaceans, galatheids are found over the complete depth range of the oceans and in particular are the numerically dominant organisms collected in many shelf and slope benthic samples (Baba 2005; Baba *et al.* 2008). With the ongoing taxonomic research on this family, many new genera and new species have been described and some older large genera subdivided into smaller ones during these years (Baba 1969a, 1988, 2004, 2005; Baba & de Saint Laurent 1996; Macpherson 1998, 2006; Macpherson & Machordom 2000; Ah Yong 2007; Cabezas *et al.* 2008). Today, the family Galatheidae includes 34 genera worldwide. However, the galatheids of Chinese waters are still poorly known. In the previous studies, a total of 108 galatheid species belong to the following 15 genera have been reported from Chinese waters: *Agononida* Baba & de Saint Laurent, 1996, *Allogalatheia* Baba, 1969, *Cervimunida* Benedict, 1902, *Crosnierita* Macpherson, 1998, *Fennerogalatheia* Baba, 1988, *Galacantha* A. Milne-Edwards, 1880, *Galatheia* Fabricius, 1793, *Heteronida* Baba & de Saint Laurent, 1996, *Leiogalatheia* Baba, 1969, *Munida* Leach, 1820, *Munidopsis* Whiteaves, 1784, *Paramunida* Baba, 1988, *Phylladiorhynchus* Baba, 1969, *Raymunida* Macpherson & Machordom, 2000, and *Shinkaia* Baba & Williams, 1998 (Baba 1969a, b, 1978, 1982, 1988, 2005; Miyake & Baba 1964, 1967; Morton & Mladenov 1992; Wang & Li 1986; Wang 1989a, b; Zhong & Wang 1989; Wu *et al.* 1998; Lin *et al.* 2004; Osawa *et al.* 2008; Baba *et al.* 2008, 2009; Macpherson & Baba 2009).

Recently, we sorted the squat lobster material deposited in the Marine Biological Museum (MBM) in the Institute of Oceanology, Chinese Academy of Sciences, Qingdao (IOCAS), and identified specimens of six species of Galatheidae as new records for Chinese waters: *Bathymunida brevirostris* (Yokoya, 1933), *Coralliogalatheia humilis* (Nobili, 1905), *Crosnierita dicata* Macpherson, 1998, *Enriquea leviantennata* (Baba, 1988), *Sadayoshia acroporae* Baba, 1972 and *Sadayoshia edwardsii* (Miers, 1884). Moreover, the four corresponding genera, i.e., *Bathymunida* Balss, 1914, *Coralliogalatheia* Baba & Javed, 1974, *Enriquea* Baba, 2005, and *Sadayoshia* Baba, 1969, are also first records for Chinese waters. The present paper reports these new records. All the specimens were collected by trawling from the coastal waters of mainland China in the East and South China Seas in 1958, 1959, 1978, 1990 and 1994.