

***Caridina longiacuta*, a new species of freshwater atyid shrimp (Decapoda, Atyidae) from Hunan Province, China**

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Abstract

A new atyid species, *Caridina longiacuta*, is described and illustrated from Hunan Province, China. *Caridina longiacuta* is characterized by its long rostrum, long finger-like process on the anterolateral angle of basal antennular segment, the narrow scaphocerite, the segmental ratios of third maxilliped, the shape and spination of its posterior telsonic margin, and small eggs. Also, *Caridina cantonensis* Yu, 1938 is reported from Hunan Province for the first time.

Key words: Decapoda, Atyidae, *Caridina*, new species, China

Introduction

Hunan Province is located in the middle reaches of the Yangtze River. This province possesses a complex water system, with four rivers the Xiangjiang River, Zijiang River, Yuanjiang River and Lishui River linking up with over 5200 branches of various lengths, that run into the Yangtze River through Dongting Lake. For the abundant rainfall, long duration of sunshine and short duration of frost, Hunan Province is suitable for the growth of animals. The atyid shrimps of this province are more diverse than any other part of China. So far, thirty-one species of atyid shrimps belonging to four genera have been recorded from Hunan Province (Cai, 1996; Guo & Choy, 1994; Guo, Choy & Gui, 1996; Guo & De Grave, 1997, 2004; Guo, He & Bai, 1992; Guo & Liang, 2003; Guo, Jiang & Zhang, 1992; Guo & Suzuki, 1996; Guo *et al.* 1992; Guo *et al.* 2002a, 2002b; Jiang, Guo & Zhang, 2002; Liang, 2004; Liang, Guo & Gao, 1993; Liang, Guo & Tang, 1999).