

***Caridina xiangnanensis*, a new freshwater atyid shrimp (Crustacea, Decapoda, Atyidae) from Hunan Province, China**

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Abstract

Caridina xiangnanensis, new species is described on the basis of specimens collected from Lingxiu Village, Rucheng County, Hunan Province, China. This new species can be distinguished from the closely related species, *C. paracornuta* Cai & Yang, by the narrower endopod of the male first pleopod, lacking a projection on the proximal region; a longer appendix interna; a shorter appendix interna of the male second pleopod; and the comparatively narrower scaphocerite.

Key words: Decapoda, Atyidae, *Caridina*, taxonomy, China

Introduction

The family Atyidae presently contains 39 genera in 4 subfamilies (Cai & Bahir, 2005; Holthuis, 1993; Liang & Cai, 1999; Liang, Guo & Tang 1999). To date, thirty-two species of Atyidae belonging to four genera, *Caridina* Milne-Edwards, 1837, *Neocaridina* Kubo, 1938, *Paracaridina* Liang & Guo, 1999, and *Mancicaris* Liang, Guo & Tang, 1999 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 *et al.*, 1992, 2002a, b; Guo & Liang, 2003; Guo, Jiang & Zhang, 1992; Guo & Suzuki, 1996; Guo & Wang, 2005; Jiang, Guo & Zhang, 2002; Liang, 2004; Liang, Guo & Gao, 1993; Liang, Guo & Tang, 1999).

A small collection of atyid shrimps was collected from Rucheng County, southern Hunan Province. When checking this collection, a new species of the genus *Caridina* was