



## The genus *Ipodoryctes* Granger, 1949 (Hymenoptera: Braconidae, Doryctinae) from China

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### Abstract

The Chinese *Ipodoryctes* Granger, 1949 from the Parasitic Hymenoptera Collection of Zhejiang University were studied and twelve species recognized, with seven new species proposed, namely *I. brevivenus* sp. nov., *I. guizhouensis* sp. nov., *I. hebeiensis* sp. nov., *I. liui* sp. nov., *I. rugosus* sp. nov., *I. rutilans* sp. nov. and *I. wuyiensis* sp. nov., and four records new to China, i.e., *I. annulicornis* Belokobylskij, *I. longi* Belokobylskij, *I. rugosiscutum* Belokobylskij, and *I. tambdaensis* Belokobylskij. A key to the Chinese species of *Ipodoryctes* is provided.

**Key words:** Rhaconotini, Afrotropical, Oriental

### Introduction

*Ipodoryctes* Granger, 1949 is one of the genera of Rhaconotini in the subfamily Doryctinae (Hymenoptera: Braconidae) (Zaldivar *et al.*, 2008). To date 28 species of this genus have been described worldwide (Yu *et al.* 2005). Most of them are from the Afrotropical and Oriental zoogeographical regions (Granger 1949, Belokobylskij 1994, 2001). The biological data for *Ipodoryctes* species are rather meager. We only know the hosts of *I. roslinensis*, which includes *Bissetia steniella*, *Chilo zonellus*, and *Scirpophaga excerptalis* (Yu *et al.* 2005).

Only one species of *Ipodoryctes* was recorded from China prior to this study (Belokobylskij 2001, Chen & Shi 2004). Twelve species of this genus are described or recorded from China for the first time, and a key to all Chinese species is provided. This paper is one of a series of publications aimed at providing keys and illustrations for the identification of Chinese Doryctinae.

### Material and methods

This study is based on specimens preserved in the Parasitic Hymenoptera Collection of Institute of Insect Sciences, Zhejiang University (ZJUH) which started in the 1920s and contains about 0.6 million pinned specimens and about as many specimens in alcohol, collected from all over the country.

The terminology and measurements used follow van Achterberg (1993). Additional sources for the description of sculpture and setation are Belokobylskij (2001). All descriptions and measurements were made under a Leica MZ 12.5 microscope, and all images were taken with a digital camera (Q-Imaging, Micropublisher, 3.3 RTV) attached to a stereomicroscope (Leica MZ APO, Germany) and Auto-Montage Pro version 5.0 software.

### Taxonomy

#### *Ipodoryctes* Granger, 1949

*Ipodoryctes* Granger, 1949: 106; Belokobylskij, 1994: 129, 2001: 135. Type: *Ipodoryctes anticestriatus* Granger, 1949, by original designation.