



Taxonomic study of the genus *Teinoptila* Sauber, 1902 from China (Lepidoptera: Yponomeutidae)

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Abstract

We report five species of *Teinoptila* Sauber from China. *Teinoptila clavata* **sp. nov.** is described as new, and *T. brunnescens* (Moore, 1888) is newly recorded for China. Images of the adults, wing venation, and genitalia are provided, along with keys distinguishing all the Chinese species.

Key words: Lepidoptera, Yponomeutidae, *Teinoptila*, new species, taxonomy

Introduction

The genus *Teinoptila* was erected by Sauber in 1902 for a Philippine species *T. interruptella* Sauber, 1902. Moriuti (1977) provided a checklist for the genus, including a new species, *T. guttella* Moriuti, collected in Taiwan, and he transferred five species from *Yponomeuta* Latreille which were described by Meyrick from 1907 to 1931 and illustrated by Clarke (1965). Huang (1982) erected a new genus *Choutinea* based on a new species *C. shaanxiensis*, which was treated as a synonym of *T. bolidias* (Meyrick, 1913) by Gershenson & Ulenberg (1998). Gershenson & Ulenberg (1998) provided a catalogue of the genus and described a new species, *T. ingens*, from Burundi. Currently, *Teinoptila* consists of eight species, distributed in China, Japan, India, Thailand, Philippines, Indonesia, Nepal, Java, Srilanka, Burundi, South Africa, Rwanda, Senegal, New Guinea, and Australia (Moriuti 1977, Gershenson & Ulenberg 1998). Prior to this study, three species, *T. bolidias*, *T. antistatica* (Meyrick, 1931), and *T. guttella*, were recorded from China.

The biology of *Teinoptila* is poorly known. According to Guo (1981), larvae of *T. antistatica* feed on the foliage of *Maytenus hookeri* Loesener (Celastraceae), concealed within a few leaves connected with webbing, and they overwinter in this stage.

The present paper reviews the *Teinoptila* species from China, with one species described as new and one recorded for the first time, and provides keys for the identification of all five Chinese species.

Material and methods

Specimens examined were collected with light traps. Terminology follows Moriuti (1977). Genitalia dissection and slide mounting methods follow Li and Zheng (1996). The types of the new species and other specimens are deposited in the Insect Collection, College of Life Sciences, Nankai University, Tianjin, China.

Teinoptila Sauber, 1902

Teinoptila Sauber, 1902: 701. Type species: *Teinoptila interruptella* Sauber, 1902, by monotypy.

Choutinea Huang, 1982: 269. Type species: *Choutinea shaanxiensis* Huang, 1982, by monotypy.