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A brief review of genus *Catopta* Staudinger, 1899 (Lepidoptera: Cossidae) with description of a new species from China

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Abstract

A checklist of the genus *Catopta* Staudinger, 1889 is presented. A new species, *C. dusii* sp. nov., from the Xiling Xue Shan Mountains of in the Noth West China's Sichuan Province is described.

Key words: Lepidoptera, Cossidae, *Catopta*, new species, China

Introduction

The genus *Catopta* Staudinger, 1899 (Lepidoptera, Cossidae) is the type genus of the subfamily Catoptinae Yakovlev, 2009, which also includes *Chiangmaiana* Kemal & Koçak, 2005 (Yakovlev 2009). The genus is distributed primarily in Asian mountain regions of the Palaearctic from Central Yakutia to southeastern China and southern Iran. Only *Catopta tropicalis* Yakovlev & Witt, 2009, an endemic of the Fansipang massif in Northern Vietnam, reaches the north of Palaeotropical Zoogeographical Kingdom. In this paper we re-describe the genus, describe a new species from China, and present an annotated checklist of the species of the world.

Material and methods

Collection and study of specimens: moths were collected at night using ultraviolet lights. Male and female genitalia were mounted in euparal on slides following Lafontaine (2004). The abdominal integument was cut lengthwise, descaled, and also mounted on slides. A Wild M3Z microscope and Canon EOS 350D camera were used to prepare images. Taxonomic nomenclature and checklists used in this study were developed from our research and relevant literature (Arora 1976; Daniel 1940; Daniel 1961; Dubatolov & Vasilenko 1988; Hua, Chou, Fang & Chen 1990; Yakovlev 2007; Yakovlev 2009; Yakovlev 2011).

Abbreviations of the material depositories:

AFM	Alessandro Floriani (Milan, Italy)
CMNH	Carnegie Museum of Natural History (Pittsburgh, U.S.A);
MHUB	Museum für Naturkunde der Humboldt-Universität (Berlin, Germany)
MNHS	Museum Natural History (Stockholm, Sweden)
MWM	Museum of Thomas Witt (Munich, Germany)
NRCV	Nature Research Centre (Vilnius, Lithuania)
NWAU	Northwestern Agricultural University (Yangling, China)
RYB	Roman Yakovlev (Barnaul, Russia)