



## A review of the genus *Abrus* Dai & Zhang (Hemiptera: Cicadellidae, Deltocephalinae) from China with description of one new species

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### Abstract

All nine species of the genus *Abrus* Dai and Zhang from China are reviewed, and one new species, *A. breviolus* sp. nov. is described. A key is given to separate all species and a detailed morphological description and illustrations are provided.

**Key words:** Homoptera, leafhopper, morphology, distribution, taxonomy

### Introduction

The Chinese athysanine leafhopper genus *Abrus* (Cicadellidae: Deltocephalinae) was established by Dai and Zhang (2002), who included six new species and provided a key for their separation. Recently, Li and Wang (2006) described two new species.

During our ongoing study of the Chinese Deltocephalinae, we found another new species, which is described in this paper. A key is provided to distinguish all nine species and illustrations are given.

### Material and methods

External morphology was observed and illustrated under a Leica ZOOM2000 stereomicroscope and OLYMPUS PM-10AD microscope. The male and female terminalia were dissected out, treated with 10% KOH solution at approximately 80°C for several minutes, and observed in a droplet of glycerol under the compound light microscope.

The morphological terminology used in the descriptions mainly follows Zhang (1990). Absolute measurements, in millimeters (mm), are used for body.

The following abbreviations are used for the depositories of material used in this study.

BMNH	The Natural History Museum, London, United Kingdom
EM	Entomological Museum of Northwest A&F University, Yangling, Shaanxi, China
GZU	Guizhou University, Guiyang, China
IZAS	The Institute of Zoology, Chinese Academy of Sciences, Beijing, China
NKU	Nankai University, Tianjin, China
SHEM	The Shanghai Entomological Museum, Chinese Academy of Sciences, Shanghai, China
ZSU	Zhongshan University, Guangzhou, China