

[研究文章 Research Article]

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A Checklist of *Cephalomalthinus* Pic, 1921 of Taiwan (Coleoptera: Cantharidae)

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Abstract. *Fissocantharis* Pic, 1921 is one of the most diverse cantharid genera in Taiwan, with 23 species and one subspecies. Recently, *Cephalomalthinus* Pic, 1921 has been recovered as the senior synonym of *Fissocantharis*. Therefore, in order to clearly cite the total number of species in future works, an updated checklist of *Cephalomalthinus* soldier beetles of Taiwan, including Chinese names is provided.

Key word: Checklist, soldier beetles, *Fissocantharis*

Introduction

Fissocantharis Pic, 1921 sensu Yang et al. 2009 is a speciose cantharid genus widely distributed in Asia, with over 200 species worldwide and 24 species in Taiwan (Satô et al. 2014; Li et al. 2016). Fanti (2019) recovered the date of publication of *Cephalomalthinus* Pic, 1921 was two weeks earlier than *Fissocantharis*, and *Cephalomalthinus* was accordingly regarded as the senior synonym. However, Fanti (2019) did not explicitly list all species in their reinstated *Cephalomalthinus*, which probably makes it difficult to cite the total number of *Cephalomalthinus* species in future works. Therefore, I herein list all Taiwanese species belonging to the reinstated *Cephalomalthinus*.

Material and methods

In the checklist, valid scientific and Chinese common names are included. Specific and subspecific names are arranged alphabetically although the nominotypical subspecies is placed first in the genus.

Results

Subfamily Cantharinae 菊虎亞科

Tribe Cantharini 菊虎族

Genus *Cephalomalthinus* Pic, 1921 異角菊虎屬

Fissocantharis Pic, 1921.

Fissopodabrus Pic, 1927.

Kandyosilis Pic, 1929.

Rhagonycha subgen. *Harmonycha* Wittmer, 1938.

Javaesilis Pic, 1955.

Stenopodabrus Nakane, 1992.

Cephalomalthinus bicoloriceps (Wittmer, 1995), comb. nov. 雙色異角菊虎

Cephalomalthinus biimpressus (Wittmer, 1982), comb. nov. 雙印異角菊虎

- Cephalomalthinus denominatus* (Wittmer, 1997), comb. nov. 名符異角菊虎
- Cephalomalthinus fenchihuensis* (Wittmer, 1982), comb. nov. 奮起湖異角菊虎
- Cephalomalthinus flavipennis* (Yang, Okushima & Yang, 2012), comb. nov. 黃鞘異角菊虎
- Cephalomalthinus formosanus* (Pic, 1910), comb. nov. 蓬萊異角菊虎
- Cephalomalthinus gressitti* (Wittmer, 1954), comb. nov. 嘉理思異角菊虎
- Cephalomalthinus hualiensis* (Wittmer, 1995), comb. nov. 花蓮異角菊虎
- Cephalomalthinus kurosawai* (Wittmer, 1982), comb. nov. 黑澤異角菊虎
- Cephalomalthinus lishanensis* (Wittmer, 1982), comb. nov. 梨山異角菊虎
- Cephalomalthinus laticornis* (Yang, Okushima & Yang, 2012), comb. nov. 寬鬚異角菊虎
- Cephalomalthinus minor* (Wittmer, 1997), comb. nov. 微異角菊虎
- Cephalomalthinus nantouensis* (Wittmer, 1995), comb. nov. 南投異角菊虎
- Cephalomalthinus nigriceps* (Yang & Okushima, 2016), comb. nov. 玄首異角菊虎
- Cephalomalthinus piluchiensis* (Wittmer, 1995), comb. nov. 棍節異角菊虎
- Cephalomalthinus pingtungensis* (Wittmer, 1982), comb. nov. 屏東異角菊虎
- Cephalomalthinus satoi* (Wittmer, 1982), comb. nov. 佐藤異角菊虎
- Cephalomalthinus ssulingensis* (Wittmer, 1995), comb. nov. 四稜異角菊虎
- Cephalomalthinus subniger* (Wittmer, 1972), comb. nov. 近墨異角菊虎
- Cephalomalthinus taipeianus* (Wittmer, 1982), comb. nov. 臺北異角菊虎
- Cephalomalthinus taiwanus* (Wittmer, 1979), comb. nov. 臺灣異角菊虎
- Cephalomalthinus taoyuanus taoyuanus* (Wittmer, 1995), comb. nov. 桃園異角菊虎
- Cephalomalthinus taoyuanus ilanensis* (Wittmer, 1995), comb. nov. 蘭陽異角菊虎
- Cephalomalthinus uenoi* (Wittmer, 1982), comb. nov. 上野異角菊虎

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References

Fanti, F. 2019. Some taxonomical notes on Cantharidae (Coleoptera). *Studies and Reports Taxonomical Series* 15: 27-39.

- Li, L., Zhang, L., Yang, Y. & Okushima, Y. 2016. A contribution to the knowledge of the genera *Fissocantharis* Pic, 1921 and *Micropodabrus* Pic, 1920 from Taiwan (Coleoptera, Cantharidae). *European Journal of Taxonomy* 243: 1-37.
- Satô, M., Okushima, Y., Takahashi, N., Li, C.-L., Yang, Y.-X. & Hsiao, Y. 2014. Checklist of the Cantharidae of Taiwan (Coleoptera: Elateroidea). *Collection and Research* 27: 43-69.
- Yang, Y.-X., Brancucci, M. & Yang, X.-K. 2009. Synonymical notes on the genus *Micropodabrus* Pic and related genera (Coleoptera, Cantharidae). *Entomologica Basiliensia et Collectionis Frey* 31: 49-54.
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臺灣產異角菊虎屬名錄 (鞘翅目：菊虎科)

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摘要: 異角菊虎屬是多樣性極高的屬別之一，在臺灣已記述有 23 個種類和複分一個亞種。近日 *Cephalomalthinus* Pic, 1921 被發現為原先使用的異角菊虎屬名 *Fissocantharis* Pic, 1921 的首異名，因此，為了以利在未來相關研究工作中清楚引述物種數，本篇文章提供臺灣產異角菊虎屬 *Cephalomalthinus* 的更新版名錄並隨附中文俗名。

關鍵詞: 名錄、菊虎、異角菊虎屬