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## ● Two new species and faunistic records of the genus *Anomala* from China and adjacent regions (Coleoptera: Scarabaeidae: Rutelinae)

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**Abstract:** Two new *Anomala* species are described from Yunnan, China: *A. fenghuae* **sp. nov.** from Yingjiang County and *A. wenyiae* **sp. nov.** from Xishuangbanna. Furthermore, new distribution records for eight *Anomala* species are provided, two of which represent new country records for China.

**Keywords:** Anomalini, Indochina, Lamellicornia, new distribution, taxonomy, Vietnam

## ● 中国及周边区域的异丽金龟属 *Anomala* 两个新物种和新纪录（鞘翅目：金龟科：丽金龟亚科）

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**摘要：**描述了异丽金龟属 *Anomala* 两个新物种，即产自云南盈江县的凤华异丽金龟 *A. fenghuae* **sp. nov.** 和产自云南西双版纳的文艺异丽金龟 *A. wenyiae* **sp. nov.**。报道了八种异丽金龟的新分布，其中包含两个中国新纪录。

**关键词：**异丽金龟族，中南半岛，鳃角类，新分布，分类学，越南

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## ● Introduction

Since the revised edition of the Catalogue of Palaearctic Coleoptera, Chapter Rutelinae (Zorn & Bezděk 2016) was published, a number of new species of the genus *Anomala* Samouelle, 1819 from China and neighboring countries had been described (Huang & Wang 2019; Prokofiev 2021ab; Prokofiev 2024; Wang 2020, 2021abc, 2022, 2024; Wang & Zorn 2021; Zhao 2019, 2021, 2025; Zhao & Pham 2023; Zhao & Zorn 2022; Zhao *et al.* 2024; Zorn *et al.* 2017). During the study of Rutelinae specimens collected in southern and south-western Yunnan, two previously unknown species of *Anomala* were identified, which we describe and illustrate in the present paper. Additionally, new distributional records for another eight species of this genus are provided.

## ● Material and methods

Type specimens of the species described in this paper bear the following labels: 1. “HOLOTYPE (red)” or “PARATYPE (yellow)”; 2. “*Anomala* [species name] Wang & Zorn, 2025”; 3. Collecting data label. Data labels of type specimens are quoted verbatim. Separate label lines are indicated by a slash (/), and separate labels by a double slash (//).

Photos were taken using a Canon D60 digital camera with Canon AF 100 mm macro lens.

The material examined is housed in the following collections:

ANPC—personal collection of Alexander Napolov, Riga, Latvia

ASPC—personal collection of André Skale, Gera, Germany

CCPC—personal collection of Chang-Chin Chen, Tianjin, China

CWNU—China West Normal University, Nanchong, China (Ai-Min Shi)

CZPC—personal collection of Carsten Zorn, Gnoien, Germany

MYNU—Invertebrate Collection of Mianyang Normal University, Mianyang, China (Hao Xu)

MZUF—Università di Firenze, Museo Zoologico “La Specola”, Italy NBCL — Naturalis Biodiversity Center, Leiden, The Netherlands

PPPC—personal collection of Petr Pacholátko, Brno, Czech Republic

WFPC—personal collection of Fa-Lei Wang, Chongqing, China

ZMPC—personal collection of Ming-Zhi Zhao, Zhuhai, China

## ● Description of new species

### *Anomala fenghuae* sp. nov. 凤华异丽金龟

<https://zoobank.org/DE18C550-BCD0-4ECF-9378-A160D3576508>

Figs 1–9

**Type material.** **Holotype**, ♂ (MYNU): CHINA: Yunnan Province / Yingjiang County / Xima Town / VII–VIII.2019 / Wei-Zong Yang leg. // HOLOTYPE // *Anomala fenghuae* / Wang & Zorn, 2025. **Paratypes (60 ♂♂, 41 ♀♀)**: 1 ♀ (MYNU): CHINA: Yunnan Province / Yingjiang County, Xima / VII–VIII.2019 / Wei-Zong Yang leg. // PARATYPE // *Anomala fenghuae* / Wang & Zorn, 2025; 2 ♂♂, 1 ♀ (WFPC): CHINA: Yunnan Province / Yingjiang County, Xima / VII–VIII.2019 / Wei-Zong Yang leg. // PARATYPE // *Anomala fenghuae* / Wang & Zorn, 2025; 11 ♂♂, 6 ♀♀ (WFPC): CHINA: Yunnan Province / Yingjiang County, Mangyun Town / V–VI.2021 / Shao-Xing Chen leg. // PARATYPE // *Anomala fenghuae* / Wang & Zorn, 2025; 34 ♂♂, 23 ♀♀ (WFPC): CHINA: Yunnan Province / Yingjiang County, Mangyun Town / V–VII.2022 / Shao-Xing Chen leg. // PARATYPE // *Anomala fenghuae* / Wang & Zorn, 2025; 1 ♂, 1 ♀ (WFPC): CHINA: Yunnan Province / Dehong, Longchuan County / Jinghan, VI.2025 / Chang-Gui Liu leg. // PARA-









**Measurements.** Body length: 11.2–12.1 mm for male (holotype 12.1 mm) and 12.9–13.2 mm for female, greatest width: 6.1–6.4 mm for male (holotype 6.4 mm) and 6.7–7.0 mm for female.

**Differential diagnosis.** The new species is characterized by the apomorphic state of the aedeagus, in which parameres, median part, and ventral plate are usually fused into a single tubular piece and the parameres are flattened. This type of aedeagus can be found in the following Asian *Anomala* species: *A. acromialis* (Ohaus, 1916), *A. andamanica* Arrow, 1917, *A. aspera* Ohaus, 1914, *A. biharensis* Arrow, 1917, *A. blanchardi* Arrow, 1917, *A. brachypus* Bates, 1891, *A. breviceps* Sharp, 1881, *A. breviscula* (Candèze, 1869), *A. chalcophysa* (Ohaus, 1916), *A. communis* (Burmeister, 1844), *A. conformis* Walker, 1859, *A. czorni* Prokofiev, 2015, *A. dorsopicta* Arrow, 1912, *A. fallaciosa* Arrow, 1917, *A. gravida* Arrow, 1911, *A. hebescens* Ohaus, 1915, *A. infantilis* Arrow, 1911, *A. latipes* Arrow, 1912, *A. madrasica* Arrow, 1917, *A. marginipennis* Arrow, 1912, *A. meggitti* Ohaus, 1935, *A. menadocola* (Burgeon, 1932), *A. mollis* Arrow, 1917, *A. niasiana* Ohaus, 1916, *A. pallida* (Fabricius, 1775), *A. pellucida* Arrow, 1911, *A. semiusta* Arrow, 1912, *A. stenoptera* Arrow, 1917, *A. tristis* Arrow, 1917, *A. variivestis* Arrow, 1917, and *A. walkeri* Arrow, 1899. Furthermore, the above mentioned species usually have a pale or light brown body color, often with blackish markings; the protibia is usually tridentate, and the incision of the bigger mesotarsal claw is often reduced; the endophallus usually bears spinose sclerites which are often exposed ventrally of the parameres; the basal marginal line of the pronotum is always complete; the metatibia is fusiform, sometimes very broad. *Anomala wenyiae* sp. nov. can be separated from all those species by the combination of the following characters: the absence of black markings dorsally (except for a darkened elytral suture), the rather slender fusiform metatibia, the tridentate protibia (bidentate in the *A. variivestis*, also occurring in Yunnan), the uncleft outer mesotarsal claw, and the unique shape of the parameres, which are fused into an apically evenly rounded lobe (Figs 21–23).

**Etymology.** The new species is named after the first author's wife, Wen-Yi Liao.

**Distribution.** Known so far only from Yunnan Province, southwestern China.

## ● Faunistic records

### *Anomala antiqua* (Gyllenhal, 1817) 古黑异丽金龟

**Specimens examined.** CHINA: Chongqing: 3 ♂♂ (WFPC), Mount Zhaomu, Chongqing, VI.2024, Fa-Lei Wang leg.; Guangdong: 1 ♂, 2 ♀♀ (WFPC), Mount Tanglang, Guangdong, 3.VI.2016, Xin Chen leg.; 1 ♀ (WFPC), Zhuhai City, Guangdong, 2015, Ming-Zhi Zhao leg.; Guangxi: 5 ♂♂, 3 ♀♀ (WFPC), Hepu County, Beihai City, Guangxi, VI.2016, Shuai Yu leg.; 1 ♀ (WFPC), Mountains Shiwandashan, Guangxi, VIII.2015, Chun-Fei Li leg.; 1 ♀ (WFPC), Mount Dayaoshan, Guangxi, VIII.2018, local leg.; Hainan: 1 ♂, 1 ♀ (WFPC), Hilton Hotel, Yalongwan, Hainan, 18.V.2017, Fa-Lei Wang leg.; 1 ♀ (MYNU), watchtower, Fengmenling, Shuiman, Wuzhishan, Hainan, 18.8374 N, 109.6442 E, alt. 880 m, 2023.V.23, Xin-Yuan Zhang, Hao Xu & Ting Xiong leg.; Jiangsu: 2 ♀♀ (WFPC), Jiangpu Farm, Nanjing City, Jiangsu, 18.VII.2012, Xue-Mei Wu & Yan-Qing Wu leg.; Sichuan: 1 ♀ (CWNU), Sichuan, Langzhong City, Qili town, 5.VII.2009, Yong-Fu Wang & Ru-Yi Li leg.; 1 ♂ (CWNU), Sichuan, Jianyang City, Shiqiao Town, 14.VII.2009, Ai-Ming Shi leg.; 1 ♂ (CWNU), Sichuan, Weiyuan County, Hulugou, 18–19.VII.2011, Qiao-Hua Wang leg.; 1 ♀ (MYNU), campus of Mianyang Normal University, Mojia, Fucheng, Mianyang, 31.4596 N, 104.5930 E, alt. 490 m, 2024.VII.30, Xin-Man Yang leg.; Yunnan: 1 ♀ (WFPC), Yunnan, Gejiu City, Manhao Town, Yidaogou, 19.VI.2015, Zi-Zhong Yang leg.

**Distribution.** AUSTRALIA; CAMBODIA; CHINA: Chongqing (**new record**), Fujian, Guangdong, Guizhou, Guangxi, Hainan, Jiangsu (**new record**), Jiangxi, Macao, Sichuan, Yunnan; INDONESIA; LAOS; MALAYSIA; MYANMAR; NEPAL; THAILAND; VIETNAM.

**Remarks.** This widespread species has been reported from Australia (Arrow 1917; Jin *et al.* 2014; Zorn & Bezděk 2016), Cambodia (Paulian 1959), Indonesia (Ohaus 1932; Perty 1831), Nepal (Arrow 1917), Laos (Paulian 1959), Malaysia (Ohaus 1932), Thailand (Miyake *et al.* 2002; Ohaus 1932), Vietnam (Paulian 1959), as well as southern China, including Fujian, Guangdong, Guizhou, Hainan, Jiangxi, Macao, Yunnan (Lin 1987, 2002ab; Yang

1989; Zorn & Bezděk 2016). This species was simply listed from four provinces of China (Hebei, Hunan, Guangxi, Sichuan) by Lin (2002ab), and the examined specimens of this species with detailed data herein confirm its presence in Guangxi and Sichuan provinces. Moreover, this species is newly recorded from Jiangsu province based on three females.

**FIGURES 25–34.** *Anomala* spp.: **25–29** *A. atriventris* (Yunnan, China) **30–34** *A. chlorophylla* (Yunnan, China). **25, 26, 30, 31** habitus **27–29, 32–34** male genitalia. **25, 27, 30, 32** dorsal view; **26, 28, 31, 33** ventral view; **29, 34** lateral view from right.

***Anomala atriventris* Zorn, 2011 黑腹异丽金龟**

Figs 25–29

**Specimens examined. CHINA: Yunnan:** 1 ♂ (WFPC), Wenshan Protection Station, Wenshan City, Wenshan Zhuang and Miao Autonomous Prefecture, VI.2018, Qing-Song Ge leg.

**Distribution.** CHINA (new country record): Yunnan; VIETNAM.

**Remarks.** This rarely collected species is here recorded for the first time from China (Yunnan province) based on one male collected in Wenshan City near the Sino-Vietnamese border. This species was previously known only from five specimens from Vietnam (Zorn 2011; Zorn *et al.* 2017).

### *Anomala cypriogastra* Ohaus, 1938 墨绿异丽金龟

**Specimens examined.** CHINA: **Chongqing:** 1 ♂ (WFPC), Feilongmiao, Mount Simianshan, Jiangjin District, Chongqing, 2015.VI.5, Jian-Yue Qiu leg.; 1 ♂ (WFPC), Mount Simianshan, Jiangjin District, Chongqing, 2016.VI.4, Lu Qiu leg.; **Fujian:** 1 ♂, 1 ♀ (WFPC), Wushiyan, Tongmu, Mount Wuyishan, Fujian, 920 m, 7.VI.2019, Zhi-Hao Qi leg.; 1 ♂, 1 ♀ (CZPC), Shaowu env., 25 km road Shaowu–Taining, 13.–16.VI.1991, M. Nykodým leg.; **Guangdong:** 1 ♂ (WFPC), Longxian Town, Wengyuan county, Shaoguan City, Guangdong, 2017.VI–VII, local leg.; 3 ♂♂, 4 ♀♀ (WFPC), Mount Houzidongshan, Wengyuan county, Shaoguan City, Guangdong, 2018.VII–VIII, Jian-Wei Chen leg.; **Guangxi:** 1 ♂ (WFPC), Mount Dayaoshan, Guangxi, 2009.VII, Zhuo Chen leg.; **Hainan:** 1 ♂ (WFPC), Mount Wuzhishan, Hainan, 1200 m, 2019.IV.12–14, Jian-Yue Qiu leg.; **Hunan:** 1 ♂, 1 ♀ (WFPC), Xianchijie, Mount Guniushan, Wuyunjie, Taoyuan County, Hunan, 100 m, 2019.VI.20–24, Hao Xu leg.; **Sichuan:** 1 ♀ (WFPC), Tiantangba, Hejiang County, Luzhou City, Sichuan, 1200 m, 2016.VI, Jian-Yue Qiu leg.; **Yunnan:** 10 ♂♂, 6 ♀♀ (WFPC), Jinping County, Honghe Prefecture, Yunnan, 18–25.VI.2018, Yun-Chuan Xu leg.

**Distribution.** CHINA: Chongqing (**new record**), Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hubei, Hunan, Jiangxi, Sichuan, Taiwan, Yunnan (**new record**).

**Remarks.** This species was previously known from the Chinese provinces of Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hubei, Hunan, Jiangxi, Sichuan, and Taiwan (Lin 2002b; Machatschke 1955; Ohaus 1938; Zorn & Bezděk 2016; Lu & Bai 2020). The specimens here we examined from Chongqing and Yunnan greatly extend the known range of the geographical distribution to southwestern China.

### *Anomala chlorophylla* Arrow, 1917 叶绿异丽金龟

Figs 30–34

**Specimens examined.** CHINA: 1 ♂ (WFPC), Mangyun Town, Yingjiang County, Dehong, Yunnan, 10–15.VI.2022, Shao-Fu Chen leg.

**Distribution.** CHINA (**new country record**): Yunnan; MYANMAR.

**Remarks.** This species was previously known from Myanmar (Arrow 1917) and is here newly recorded from China based one male specimen collected from Yunnan.

### *Anomala nubeculosa nubeculosa* Ohaus, 1905 云斑异丽金龟指名亚种

**Specimens examined.** CHINA: **Guangdong:** 1 ♂ (WFPC), Mount Nanling, Guangdong, 2016.V.1, Bi-Hui Zhan leg.; **Guangxi:** 2 ♂♂ (WFPC), Mount Dayaoshan, Jinxiu County, Laibin City, Guangxi, 15.VII.2019, Chun-Fu Feng leg.; **Yunnan:** 2 ♂♂ (WFPC), Wenshan Protection Station, Wenshan City, Wenshan Zhuang and Miao Autonomous Prefecture, VI.2018, Qing-Song Ge leg.

**Distribution.** CHINA: Guangdong (**new record**), Guangxi, Yunnan (**new record**); LAOS, VIETNAM.

**Remarks.** This species was previously recorded from China (Guangxi), Laos, and Vietnam (Ohaus 1905; Paulian 1959; Zorn *et al.* 2017). A previous record from Yunnan provided in Zorn (2006), and subsequently in Zorn & Bezděk (2016) and Zorn *et al.* (2017) was based on incorrectly labeled material. Therefore, the specimens reported here from Yunnan represent a new provincial record. The record from Guangdong reported here is the most eastern distribution record to date.

***Anomala rugicylpea* Lin, 1989 褶唇异丽金龟**

**Specimens examined.** CHINA: **Fujian:** 1 ♂ (WFPC), Junzhu, Mount Mangdang, Chengxiang Twon, Wuping County, Longyan City, Fujian, 2018.VI.17, Jian-Bin Huang leg.; **Guangxi:** 1 ♂, 1 ♀ (WFPC), Mount Dayaoshan, Guangxi, VIII.2018, local leg.; **Hainan:** 1 ♂, Mount Wuzhishan, Hainan, 1200 m, 2019.IV.12–14, Jian-Yue Qiu leg.; **Hubei:** 2 ♂♂ (WFPC), Songluo, Shennongjia, Hubei, 2017.VII.12, Lu Qiu leg.; **Hunan:** 1 ♂ (CZPC): Zhangjiajie, Wuling Shan, 700 m, 29.4N 110.4E, 04.-07.VII.2003, Jaroslav Turna leg.; **Shaanxi:** 1 ♂ (CZPC), Lueyang, 04.-06.VI.1997, E. Kučera leg.; **Sichuan:** 1 ♂ (CZPC), Pshin env., near Huatan, 80 km sw of Yaan, 16.VII.1995, Zd. Jindra leg.; 1 ♂ (CZPC), Pingwu, 32°15'N 104°16'E, 03.-09.VI.1997, E. Kučera leg.; 1 ♀ (CZPC), Pingwu, 02.-04.VI.2001, E. Kučera leg. 1 ♂ (CZPC), Jiulonggou near Dayi (ca. 60 km w of Chengdu), 31°00'N 103°30'E, 27.VI.-02.VII.1995, M. Trýzna et O. Safránek leg. 1 ♂, 1 ♀ (WFPC), Jiulonggou, Chongzhou, Chengdu City, Sichuan, 800 m, 2016.VI, Chao Zhou leg.; **Yunnan:** 1 ♂ (WFPC), Wenshan Protection Station, Wenshan City, Wenshan Zhuang and Miao Autonomous Prefecture, VI.2018, Qing-Song Ge leg.; **Zhejiang:** 1 ♂ (WFPC), Pan'an, Zhejiang, VI–VII.2016, Su-Jiong Zhang leg.

**Distribution.** China: Fujian, Guangdong, Guangxi, Hainan, Hubei, Hunan, Jiangxi, Sichuan, Shanxi, Shaanxi, Yunnan, Zhejiang (**new record**).

**Remarks.** This species is widespread in China (Lin 1989; Zorn & Bezděk 2016; Lu & Bai 2020). The specimen from Zhejiang reported here has a dark brown abdomen with blackish mesotibia which matches the original description in Lin (1989). All other specimens examined in this study from other provinces have strong metallic green reflections on abdomen and tibiae.

***Anomala russiventris* Fairmaire, 1893 褐腹异丽金龟**

**Specimens examined.** CHINA: **Fujian:** 1 ♂ (WFPC), Yongan City, Fujian, VII.2015, Fa-Lei Wang leg.; **Guangdong:** 1 ♂ (WFPC), Mount Meilinshan, Shenzhen, Guangdong, V.2015, Xin Chen leg.; **Guangxi:** 1 ♂ (WFPC), Zhongliang Village, Jinxiu County, Laibin City, Guangxi, 15–30.V.2020, B.-Y. Jin leg.; **Hong Kong:** 1 ♂ (CZPC), Tai Tan Pk. (Jardine's lookout), 22.V.2000, P.S.P. Fong leg.; **Hubei:** 1 ♂ (WFPC), Songluo, Shennongjia, Hubei, 2017.VII.12, Lu Qiu leg.; **Yunnan:** 1 ♂ (WFPC), Baihualin, Mount Gaoligongshan, Baoshan City, Yunnan, 2016.5, Z-W Dong leg. 1 ♀ (CZPC), Luxi, Mangshi env., 29.V.1995, S. Becvar & Z. Kadlec leg.; **Zhejiang:** 1 ♂ (WFPC), Mount Shicangshan, Zhejiang, 2015.7.; **LAOS:** 1 ♂ (WFPC), LAOS, Xiang Khoang prov., Khoun, alt. 1000 m, 2019.V.5–15, Z.-W. Dong & local leg.

**Distribution.** CAMBODIA; CHINA: Fujian, Guangdong, Guangxi, Guizhou, Hubei (**new record**), Yunnan, Zhejiang (**new record**); LAOS; MALAYSIA; MYANMAR; THAILAND; VIETNAM.

**Remarks.** This species was well reviewed by Zhao (2019) and reported from Cambodia, China (Fujian, Guangdong, Guizhou, Guangxi, Yunnan, Hongkong, Hainan), Laos, Malaysia, Myanmar, Thailand, and Vietnam. Herein we report new distributional records from the Chinese provinces of Hubei and Zhejiang.

***Anomala virens* Lin, 1996 大绿异丽金龟**

**Specimens examined.** CHINA: **Anhui:** 1 ♀ (WFPC), Hougu, Mount Huangshan, Anhui, 10–13.VIII.2013, Hai-Tian Song leg.; **Chongqing:** 1 ♂, 2 ♀♀ (CWNU), Mount Jinyunshan, Beibei, Chongqing, 5.VII.2011, Chun-Xiang Li leg.; 2 ♂♂ (CWNU), Mount Jinyunshan, Beibei, Chongqing, 5.VII.2011, Shi-Ni Li leg.; 1 ♂ (CWNU), Mount Jinyunshan, Beibei, Chongqing, 5.VII.2011, Rui-Bu Li leg.; 1 ♂ (CWNU), Mount Jinyunshan, Beibei, Chongqing, 5.VII.2011, He-Yue Xiong leg.; **Fujian:** 2 ♀♀ (WFPC), Mount Wuyishan, Fujian, VII.2016, Zhi-Hao Qi leg.; 1 ♂ (WFPC), Mount Wuyishan, Fujian, alt. 1400 m, 28.VI.2017, Ren-Zhi Zhang leg.; 1 ♀ (WFPC), Dawangao, Mount Wuyishan, Fujian, alt. 600 m, 16.VI.2018, Zhi-Hao Qi leg.; 1 ♀ (WFPC), Mali town, Mount Wuyishan, Fujian, 14.VII.2018, Zhi-Hao Qi leg.; 1 ♀ (WFPC), Tourist Centre, Mount Wuyishan, Fujian, 9.VIII.2018, Hai-Tian Song leg.; 3 ♂♂, 1 ♀ (WFPC), Mount

Damoshan, Sanming, Fujian, alt. 1400 m, 15.VI.2018, Xin Liu leg.; **Guangdong**: 1 ♂, 1 ♀ (WFPC), Mount Nankunshan, Guangzhou, Guangdong, VII.2015, Xin Chen leg.; 1 ♀ (WFPC), Mount Nanling, Ruyuan County, Shaoguan, Guangdong, VI.2013; 1 ♂ (WFPC), Nanling Protection Station, Ruyuan County, Shaoguan, Guangdong, alt. 1010 m, 25.V.2019, Wen-Yi Zhou leg.; 4 ♀♀ (CZPC) Guangdong Province, Shaoguan Distr., Nanling Mts Nature Resort, Guest house ca. 10 km W Wuzhishan, 1000 m, N24°55'48" E113°00'53", 2.-6.VII.2012, A. Kallies & Y. Arita leg., lux.; **Guangxi**: 1 ♂, 1 ♀ (WFPC), Ziyuan County, Guilin, Guangxi, VI–VII.2019, You Xiao leg.; 1 ♂ (WFPC), Mount Dayao, Jinxi County, Nanning, Guangxi, 2014, Bao-Sheng Su leg.; 3 ♂♂, 2 ♀♀ (WFPC), Ziyuan County, Guilin, Guangxi, VI–VIII.2019, Wen Jin leg.; **Guizhou**: 6 ♂♂, 1 ♀ (WFPC), Taojiang, Mount Leigongshan, Leishan County, Guizhou, 3.VIII.2019, Gui-Qiang Huang leg.; 1 ♀ (WFPC), Xiannvtang, Mount Leigongshan, Leishan County, Guizhou, 29–31.VII.2019, Gui-Qiang Huang leg.; 1 ♂, 1 ♀ (WFPC), Sansheng Temple, Kaili, Guizhou, 28.VI.2016, Ren-Zhi Zhang leg.; **Hainan**: 2 ♂♂ (WFPC), Mount Jiangfengshan, Ledong County, Hainan, III.2017, Huan Yang leg.; **Hubei**: 2 ♂♂, 2 ♀♀ (WFPC), Qingtaiguan, Mount Dabieshan, Hubei, 1-3.VII.2014, Xin-Ran Li leg.; 1 ♂ (WFPC), Mount Wujiashan, Yingshan County, Hubei, 28–30.VI.2014, Yan Shi leg.; 1 ♀ (WFPC), Mulan Lake, Wuhan, Hubei, 13.VI.2015, Chong-Jian Zhou leg.; 1 ♀ (WFPC), Hongan County, Hubei, 15.VII.2015; 1 ♂ (WFPC), Hongan County, Hubei, alt. 1000 m, VI–VIII.2017, Locals leg.; **Hunan**: 4 ♂♂, 5 ♀♀ (WFPC), Mount Mangshan, Chenzhou, Hunan, 2–4.VII.2018, Ren-Zhi Zhang leg.; 1 ♀ (WFPC), Mount Mangshan, Chenzhou, Hunan, VII.2017, Hao Xu leg.; 3 ♀♀ (WFPC), Mount Mangshan, Chenzhou, Hunan, 23–25.VII.2016, Xin Chen leg.; 1 ♀ (WFPC), Zhongzhou, Shashi, Liuyang, Changsha, Hunan, 23.VI.2011, Hao Xu leg.; **Shaanxi**: 1 ♂ Baiche, 31°12'N 110°05'E, 13.-17.VI.1997, E. Kučera leg.; **Sichuan**: 1 ♀ (CWNU), Mount Emeishan, Sichuan, 27.VII.2014, Yu-Yu Zhou leg., CWNU; 1 ♂ (CWNU), Mount Emeishan, Sichuan, 30.VII.2014, Ying-Qing Luo leg.; 1 ♂, 1 ♀ (CWNU), Xuanhan County, Dazhou, Sichuan, 20.VIII.2014, Xiao-Yan Peng leg.; 2 ♀♀ (CWNU), Luzhou, Sichuan, 7.VII.2017, Qiu-Jie Yang leg.; 1 ♂ (WFPC), Mount Emeishan, Chengdu, Sichuan, VII.2014, Chao Zhou leg.; 2 ♀♀ (WFPC), Chengdu, Sichuan, VII.2013, Chao Zhou leg.; 1 ♂ (CZPC), 35 km east You-Yang, 21.-22.VII.1994.; 1 ♀ (CZPC), Moximian, Luding co., 13.-18.VII.1994, Beneš leg.; **Zhejiang**: 1 ♂, 1 ♀ (WFPC), Pan'an, Zhejiang, VI–VII.2016, Su-Jiong Zhang leg.; 1 ♀ (WFPC), Pan'an, Zhejiang, VI–VII.2016, Su-Jiong Zhang leg.; 1 ♀ (WFPC), Mount Dongbaishan, Zhejiang, alt. 900 m, 14.VII.2012, Tie-Xiong Zhao leg.; **VIETNAM**: 1 ♂ (PPPC), Vietnam Danang IV.85. Lg Bartovsky; 1 ♂ (NBCL), TONKIN Than Moi Juni-Juli H. Fruhstorfer; 2 ♂♂ (ANPC), N.-Vietnam, NE env. of Na Hang, 160 km NNW Ha Noi, 1.-14.VI.1996, 150–200 m, A. & R. Napolov leg.; 1 ♂ (MZUF), C.-VIETNAM, Kon Tum Province, ca. 30 km from Kon Plong, 1250 m, at light, 14°40,320N 108°15,829E, 4.-7.V.2016, L. Bartolozzi, A. Bandinelli, S. Bambi, V. Sbordoni leg.; 1 ♀ (MZUF), N.-VIETNAM, PhuTho Prov., Xuan Son National Park 500 m, at light, 18.-20.VI.2012, L. Bartolozzi, S. Bambi, F. Fabiano, E. Orbach leg.; 1 ♂ (CZPC), N. Vietnam, Vinh Phu Province, Tam Dao, 2.-11.VI.1985, Vít Kubán leg.; 1 ♂ (CZPC), N. Vietnam, Vinh Phu Province, Tam Dao, 930 m, Vi.-VIII.1997, local collector leg.; 1 ♂, 1 ♀ (CZPC), Central Vietnam, Kon Tum Province, Kon Tum N.P., V. 2017, local collector leg.

**Distributions.** CHINA: Anhui, Beijing, Chongqing, Fujian, Guangdong, Guangxi, Guizhou, Hainan, Henan, Hubei, Hunan, Jiangxi, Sichuan, Shanxi, Shaanxi, Yunnan, Zhejiang; VIETNAM.

**Remarks.** This species was known from southern China (Lin 1996, 2002ab, Wang 2021b, Yu 2020) and has been reported from the Oriental Region by Zorn & Bezděk (2016).

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## ● Additional information

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