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## Six new species of *Triomicrus* Sharp from southern China (Coleoptera: Staphylinidae: Pselaphinae)

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### Abstract

Seven species of the genus *Triomicrus* Sharp are recognized in southern China, six of them are described as new: *T. acutus* and *T. nanlingensis* Shen & Yin, **sp. n.** (Guangdong), *T. pinnatus* Shen & Yin, **sp. n.** (Guangdong and Hunan), *T. cochlis* Shen & Yin, **sp. n.** (Guangdong, Hunan and Guangxi), and *T. cavus* Shen & Yin, **sp. n.** and *T. longus* Shen & Yin, **sp. n.** (Guangxi). A key for the identification of *Triomicrus* in southern China is presented.

**Key words:** Staphylinidae, Pselaphinae, Brachyglutini, taxonomy, *Triomicrus*, new species, southern China

### Introduction

In our first paper of the series focused on the Chinese fauna of the genus *Triomicrus* Sharp, eleven new species were described from eastern China, new distributional data were provided for *T. rougemonti* Löbl, Kurbatov & Nomura, and an identification key was given for the eastern Chinese species (Shen, Yin & Li 2015). In this paper, we treat the *Triomicrus* collected in southern China. Seven species are recognized, six are described as new, and one is not possible to be unambiguously identified. Diagnoses and illustrations of the habitus and major diagnostic features of all treated species are provided. A key to the males of the *Triomicrus* of southern China is given.

### Material and methods

The material treated in this paper is housed in the Insect Collection of Shanghai Normal University, Shanghai, China (SNUC).

The specimens examined in this paper were collected by sifting leaf litters in forests. For examination of the male genitalia, the last three abdominal segments were detached from the body after softening in hot water. The aedeagus, together with other dissected pieces, were mounted in Euparal on plastic slides. Photos of sexual characters were taken with a Canon G9 camera attached to an Olympus CX31 microscope; habitus photos were taken using a Canon EOS 7D camera with an MP-E 65 mm lens.

The ‘left’ and ‘right’ of the parameres are defined as there were in natural position, thus the right paramere in the text is on the left side in illustration.

The type specimens of each new species bear a following label: ‘HOLOTYPE (red) or PARATYPE (yellow), ♂ (or ♀), *Triomicrus* + specific name sp. n., det. Shen & Yin, 2015, SNUC’.

The following abbreviations are applied: AL—length of the abdomen along the midline; AW—maximum width of the abdomen; EL—length of the elytra along the sutural line; EW—maximum width of the elytra; HL—length of the head from the anterior clypeal margin to the occipital constriction; HW—width of the head across eyes; PL—length of the pronotum along the midline; PW—maximum width of the pronotum. Length of the body is a combination of HL + PL + EL + AL.