



A new species of the genus *Hahnia* (Araneae: Hahniidae) from South China

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The spider genus *Hahnia* C.L. Koch 1841, which includes 94 species in the world (World Spider Catalog 2015), is the largest group of the comb-tailed spider family, Hahniidae Bertkau 1878. However, this genus appears to be polyphyletic. For example, *H. xinjiangensis* Wang & Liang 1989 (Wang & Liang 1989: 52, figs 1–6) and *H. talei* (Gertsch 1934) (Gertsch 1934: 13, figs 5–8, 27–28) exhibit patterns of their copulatory organs that differ from those of the type species *H. pusilla* C.L. Koch 1841 and other allied species, *H. helveola* Simon 1875 and *H. ononidum* Simon 1875 *etc.* (Almquist 2005: figs 258a–e, 261a–e, 262a–f). *Hahnia* s. str. has an equidistant tracheal spiracle between the epigastric furrow and the base of spinnerets, a hook-like patellar apophysis, a long and curved tibial apophysis, a threadlike embolus, a membranous median apophysis and a retrolateral cymbial furrow and tube-like and curved copulatory ducts and two epigynal bursae (spermathecae and subspermathecae, see Zhang *et al.* 2011).

Here we describe a new species of *Hahnia* s. str. from South China. All specimens were examined, illustrated, photographed and measured using a Leica M205C stereomicroscope equipped with a drawing tube, a Leica DFC420 Camera and LAS software (version 4.0). Female copulatory organs were cleared in 90% lactic acid. Leg measurements are rendered here as: total length (femur, patella and tibia, metatarsus, tarsus). All measurements are in millimetres. Specimens examined are deposited in the School of Life Sciences, Southwest University, China (SWUC) and the College of Life Sciences, Hubei University, China (HUBU). The following abbreviations are used in the text: ALE, anterior lateral eye; AME, anterior median eye; MOA, median ocular area; PLE, posterior lateral eye; PME, posterior median eye; and RTA, retrolateral tibial apophysis.

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Hahnia subcorticola sp. nov.

Figs 1A–E, 2A–I, 4

Type material. Holotype male, CHINA: Chongqing: Mt. Jinyun, 29°50.1' N, 106°23.7' E, Guankou, 5 April 2010, Z.S. Zhang, Z.X. Li, K.Y. Xu & L.Y. Wang leg. (SWUC). **Paratypes:** 12 males, 72 females (SWUC), with same data as holotype; 15 males, 69 females, with same location as holotype, 28 March 2010, Z.X. Li, K.Y. Xu & L.Y. Wang leg. (SWUC); 6 males, 93 females, with same location as holotype, 28 April 2010, Z.X. Li, K.Y. Xu & L.Y. Wang leg. (SWUC); 4 males, 9 females, with same location as holotype, 26 October 2011, Z.X. Li, Z. Li & L.Y. Wang leg. (SWUC); 7 males, 5 females, with same location as holotype, 12 November 2011, M.X. Liu & D. Wang leg. (SWUC); 11 males, 13 females, with same location as holotype, 29 November 2011, M.X. Liu & D. Wang leg. (SWUC); 15 males, 13 females, with same location as holotype, 27 November 2010, L.Y. Wang leg. (SWUC); 12 males, 19 females, Mt. Jinyun, Banzigou, 4 December 2010, Z. Li & Z.X. Li leg. (SWUC); 16 males, 23 females, Mt. Jinyun, Caijiagou, 12 December 2010, Z.S. Zhang leg. (SWUC); 71 males, 206 females, with same location as holotype, 30 March 2011, Z.X. Li, Z. Li & L.Y. Wang leg. (SWUC); 1 male, 6 females, with same location as holotype, 24 October 2011, L.Y. Wang, D. Wang & M.X. Liu leg. (SWUC); 3 females, with same location as holotype, 1 December 2010, Z.X. Li, Z. Li & L.Y. Wang leg. (SWUC); 3 females, with same location as holotype, 25 May 2011, Z. Li & L.Y. Wang leg. (SWUC); 1 female, Mt. Jinyun, Yunhe Village, 15 June 2010, L.Y. Wang leg. (SWUC); 1 female, Mt. Jinyun, Yunhe Village, 15 November 2010