Pholcus mianshanensis Zhang & Zhu, 2009

Zhu, M.S., Tu, H.S., Shi, J.G. 1986. Spiders of the genus *Pholcus* (Araneae, Pholcidae) from Shanxi and Shanxi Provinces, China, with description of a new species. J. Hebei Normal Univ. 1986(2): 118-124.

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2、豫幽灵蛛Pholcus henanensis Zhu et Mao, 1983.（图2）

P.henanensis Zhu et Mao, 1983: 135—139, fig.A—H.

雌蛛体长3.8毫米左右。头胸部淡黄色，背中央有黄褐色斑纹，头部后部的眼区之后亦有1纵向黄褐色斑。头部隆起，8个眼均着生在该隆起上，除前中眼外，其它6个眼组成左右两个三角形。从前面观察，后眼列前凹，稍长于前眼列，中眼间距<前中侧眼间距，前中眼最小，前侧眼最大，后中眼卵圆形；中眼区梯形，后边>前边（0.39：

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0.19）。下唇长方形，淡黄色，长>宽。胸板黄褐色，后缘呈两个半圆形，中央及周缘有黄色斑。螯肢前齿堤无齿，后齿堤有1齿。步足黄色，有淡棕色斑环。

腹部黄灰色，呈长筒形，腹背散布黑褐色斑点，腹部的腹面黄色，无斑。

雄蛛体长3.72毫米左右。体色斑和雌蛛相似。螯肢黄褐色，前面有2个齿状突，后齿堤有1齿。

已知分布：河南、山西。

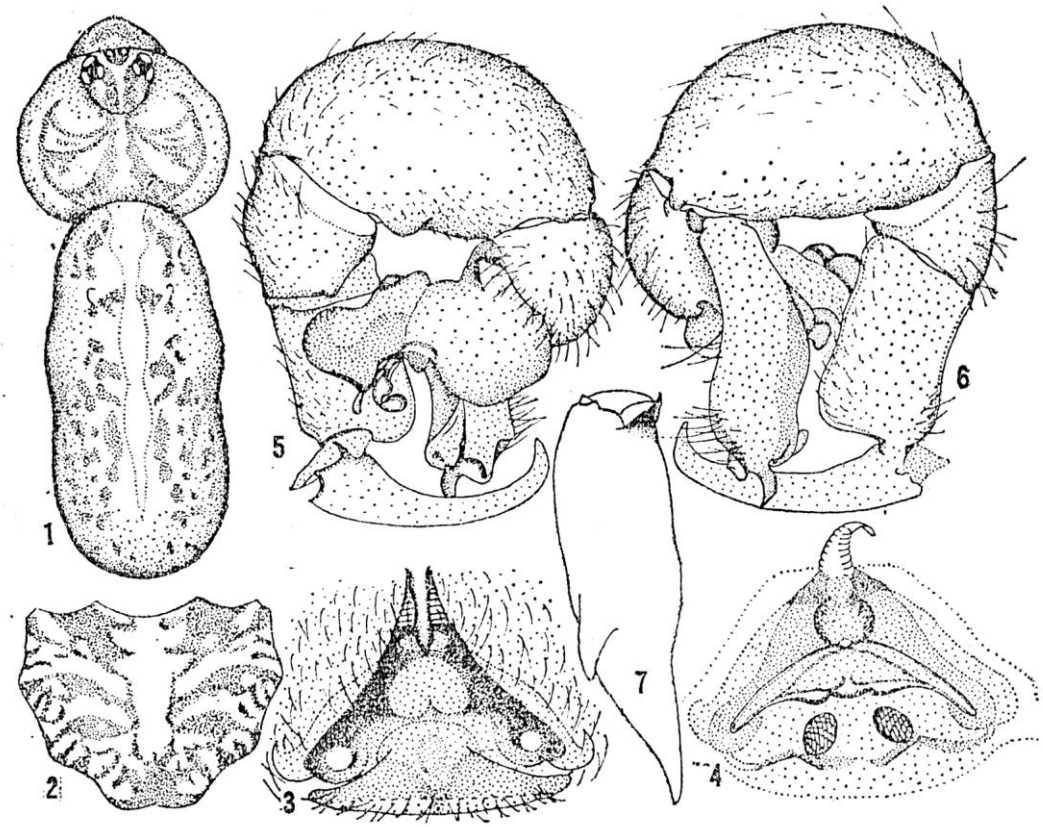

图2 豫幽灵蛛Pholcus henanensis

1、雌蛛背面观　2胸板　3、外雄器外面观　4、同前，内面观

5、雄左触肢器外侧观　6、同前，内侧观　7、雄左螯肢

Zhang, F., Zhu, M.S. 2009. A review of the genus *Pholcus* (Araneae: Pholcidae) from China. Zootaxa 2037: 1-114.

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***Pholcus mianshanensis* sp. nov.**
(Fig. 29)

Pholcus henanensis Zhu, Tu & Shi 1986: 119, f. 2.1–7 (misidentification); non Zhu & Mao 1983.

Types. Male holotype, 3♀paratypes, CHINA: Shanxi Province, Jiexiu County [37°N, 111°54'E], Mt. Mianshan, June 5, 1983, leg. by M. S. Zhu (MHBU).

Diagnosis. Among its close *Pholcus* relatives (see the remark of *P. henanensis*), this species is very similar to *P. linzhou* in the shape of the palpal bulb and epigynum, both with long whip-shaped epigynal apophysis (Fig. 29A). *P. mianshanensis* **sp. nov.** can be distinguished from *P. linzhou* by the shape of the tip of the procursus (Figs. 29G–I), by the shapes of uncus and appendix (Fig. 29H), and by the pattern of the sternum (Fig. 29F).

Etymology. The species refers to the type locality.

Description. Male (holotype): total body length 3.7: cephalothorax 1.1 long, 1.4 wide; abdomen 2.6 long,

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1.28 wide. Leg I: 32.1 (8.2+0.7+9.2+12.1+1.9), tibia II: 5.1, tibia III: 3.1, tibia IV: 4.4; tibia I L/D: 60. Prosoma shape as in Fig. 29C. Carapace short, broad and almost circular, ochre, with brown mark broadly connecting to ocular area. Cephalic region raised, with two brown slender marks centrally, ocular area dark yellow. Clypeus 0.40, dark ochre, with marks. Distance AME–AME 0.04. Diameter AME 0.08, ALE 0.12, PME 0.11, PLE 0.12. Chelicerae as in Fig. 29E, with pair of black apophyses distally, pair of unsclerotized thumb-shaped apophyses proximolaterally. Labium light yellow. Endites slightly gray. Sternum dark gray, with regular yellow patches centrally and laterally as in Fig. 29F. Femora, patellae and tibiae yellow, with dark rings, metatarsi and tarsi brown. Abdomen cylindrical, pale ochre, dorsum with several small brown patterns as in Fig. 29C. Venter pale brown. Palps as in Figs. 29H and 29I, bulb with broad uncus, appendix with biforked tip. Procursus as in Fig. 29G. Tarsal organ capsulate.

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Female: in general very similar to male. Total length of paratypes 3.8–4.0. A paratype measured, total length 3.8: cephalothorax 1.2 long, 1.4 wide; abdomen 2.6 long, 1.4 wide. Tibia I: 4.5. Distance AME–AME 0.05. Diameter AME 0.09, ALE 0.13, PME 0.11, PLE 0.11. Epigynum roughly triangular as in Fig. 29A, with a whip-shaped apophysis on the top. Dorsal view as in Fig. 29B, with a wavy sclerotized arch anteriorly and a pair of egg-shaped pore plates posteriorly.

Distribution. Known from type locality only.

Remark. Zhu, Tu & Shi described this species as *P. henanensis* in 1986. After examining the materials (one male and three females collected from Mt. Mianshan, Jiexiu County Shanxi Province, China, June 5, 1983, by M. S. Zhu), and comparing them with *P. henanensis*, we believe that these specimens represent a new species that is described here.

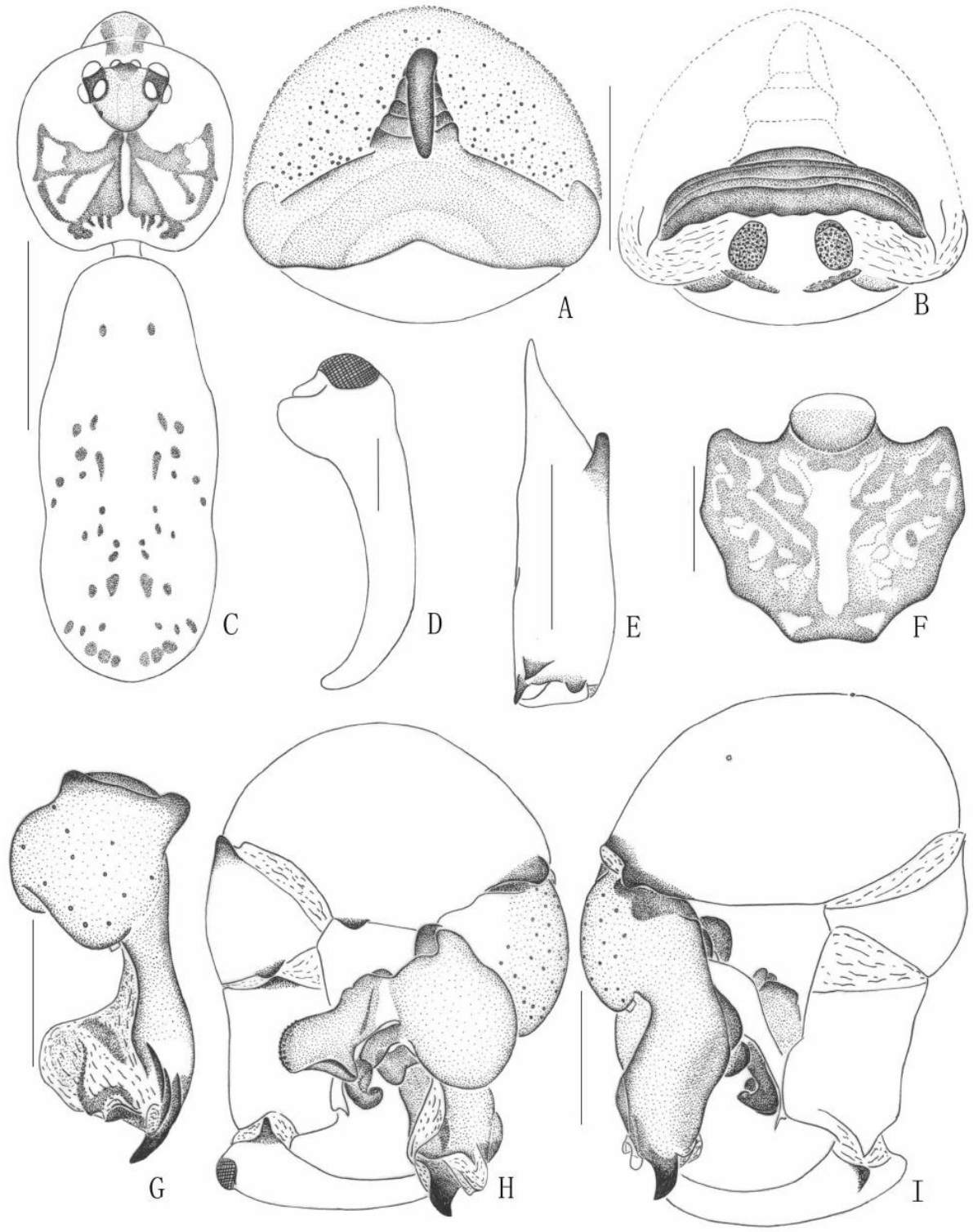

FIGURE 29. *Pholcus mianshanensis* **sp. nov.** A. epigynum, ventral view. B. same, dorsal view. C. male body, dorsal view. D. trochanter of male left palp, dorsal view. E. male left chelicera, frontal view. F. male sternum, ventral view. G. left procursus, dorsal view. H. left palp, prolateral view. I. same, retrolateral view. Scale lines: 1.0mm (C), 0.5mm (A, B, E–I), 0.2mm (D).

Huber, B. A. 2011. Revision and cladistic analysis of *Pholcus* and closely related taxa (Araneae, Pholcidae). Bonner zool. Monographien 58: 1-510.

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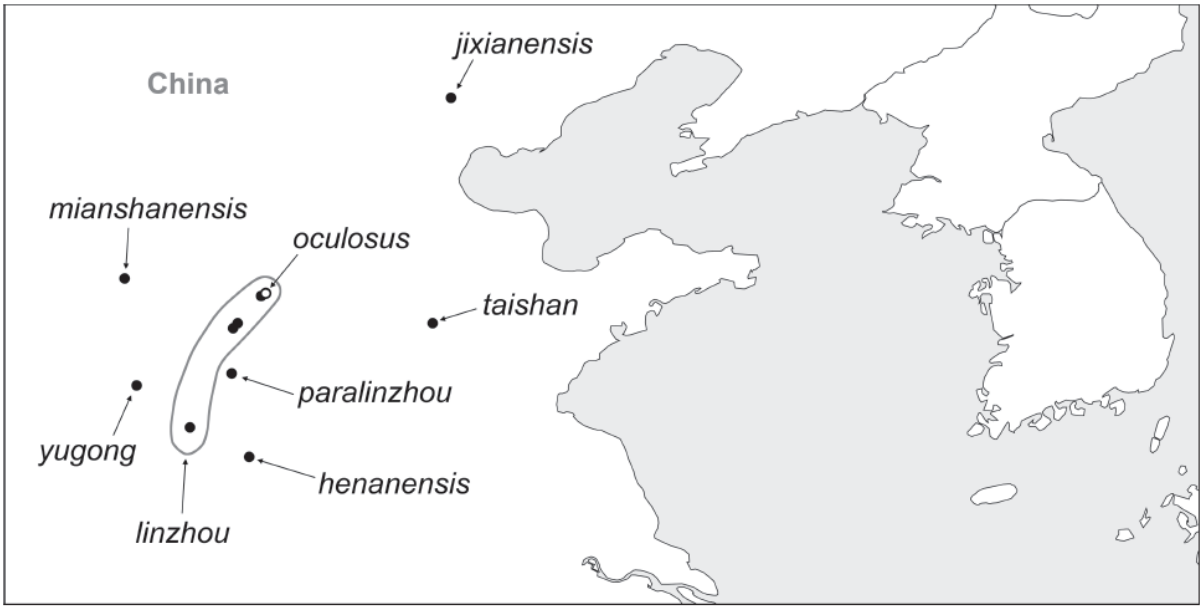

FIG. 2200. Known distribution of the *Pholcus taishan* species group.