



台湾阔蕊兰，中国大陆兰科一新记录种

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摘要：本文报道了中国大陆兰科植物新记录种台湾阔蕊兰(*Peristylus formosanus* (Schltr.) T. P. Lin)，该新记录种分布于广东省深圳市。本文对产广东省深圳的台湾阔蕊兰进行了描述和绘图。

关键词：台湾阔蕊兰；新记录种；兰科；大陆；中国

Peristylus formosanus (Schltr.) T. P. Lin, a new record species of Orchidaceae from mainland of China

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Abstract: *Peristylus formosanus* (Schltr.) T. P. Lin, a new record species of Orchidaceae from mainland of China was reported. This species was collected from Shenzhen, Guangdong. Based on the living collection, it was described and illustrated.

Key words: *Peristylus formosanus*; New record species; Orchidaceae; mainland; China

2008年8月对广东省深圳地区的兰科植物进行资源调查时，在梧桐山发现了一种阔蕊兰属植物的多个野生居群。这些居群通常有许多个体，生长于山坡草地上，开着绿白色的花，唇瓣3裂，侧裂片与中裂片呈90度角生长，丝状，较中裂片长；距球形，末端锐尖（图1）。经鉴定该物种为台湾阔蕊兰*Peristylus formosanus*(Schltr.)T. P. Lin。台湾阔蕊兰原记载仅产于中国台湾和日本琉球群岛^[1]，这是在中国大陆首次发现它的分布。现根据深圳的活植株对台湾阔蕊兰进行形态描述和绘图。

台湾阔蕊兰（台湾鹭草、触须兰）图2

Peristylus formosanus (Schltr.) T. P. Lin, Nat. Orch. Taiwan 2: 274. 276 (fig.). 1977; K. Y. Lang in Acta Phytotax. Sin. 25(6): 445. 1987. 中国植物志 17: 402. 图 63: 1-4. 1999. — *Habenaria formosana* Schltr. In Fedde Repert. Sp. Nov. Beih. 4: 127. 1919. — *Coeloglossum formosum* Makino et Hayata ex Matsum. et Hayata in J. Coll. Sci. Univ. Tokyo 22: 420. 1906, nom. Nud. — *Habenaria tentaculata* Rchb. f. var. *acutifolia* Hayata, Mater. Fl. Formos. 354. 1911. *Peristylus flagellifer* var. *acutifolius* (Hayata) Hatusima, Fl. Ryukyu 840. 1971. *P. lacertiferus* var. *formosanus* (Makino et Hayata) S. S. Ying, Col. Illust. Indig. Orch. Taiwan 2: 631. 1990 sym. nov.

地生植物。植株高15-25cm。块茎球形，直径1-1.5cm。茎细长，无毛，基部具2-3枚筒状鞘，其上具叶，在叶之上具2-3枚苞片状小叶。叶3-4枚，叶片椭圆形或卵状披针形，长4.8-9cm，宽2-3.2cm，先端钝，斜向上伸展。总状花序具多数花，长14-20cm，圆柱状；花苞片卵形或卵状披针形，长6-9mm，先端渐尖，下部的长于花；子房圆柱形，扭

转，无毛，连花梗长4.5-7mm；花小；中萼片卵形，绿色，直立，凹陷呈舟状，长3-3.5mm，宽2-2.3mm，先端圆钝；侧萼片伸展，长椭圆形，绿色，长3.5-3.7mm，宽1.7-1.9mm，先端近钝，花瓣直立，白色或浅绿色，椭圆形，长3.8-4mm，宽2-2.5mm，先端稍钝，与中萼片靠合呈兜状；唇瓣3裂；侧裂片丝状，长1.7-1.9mm，与中裂片近成90度夹角伸展；中裂片弯曲向下，舌状，长4-5mm，基部凹陷呈槽状，长1.3-1.5mm，具距；距囊状，长1.8-2mm，末端近锐尖；蕊柱甚短；药室并行，基部不延伸成沟；花粉团具短的花粉团柄和粘盘，粘盘小，卵圆形，裸露；蕊喙小，两侧略延伸成短臂；柱头2个，隆起；退化雄蕊2个，近长圆形，向前伸展。花期8-12月。凭证标本：Z. J. Liu 4065 (NOCC)，广东深圳，海拔500m，生于山坡草地上。

分布地：广东（深圳）；台湾。日本琉球群岛。模式标本采自台湾省。中国大陆新记录^[1]。

A terrestrial plant. Plants 15-25 cm tall. Tubers globose, 1-1.5 cm in diam. Stem slender, glabrous, with 2-3 tubular sheaths at base, with 3-4 leaves and 2-3 bractlike leaflets above sheaths. Leaf blade elliptic or ovate-lanceolate, 4.8-9 × 2-3.2 cm, apex obtuse, obliquely stretching forward. Raceme many flowered, 14-20 cm long, cylindrical; floral bracts ovoid or ovate-lanceolate, 6-9 mm long, apex acuminate, basal ones longer than flowers; ovary terete, resupinate, glabrous, including pedicel 4.5-7 mm long, glabrous. Flowers small. Dorsal sepal ovoid, green, erect, concave to cymbiform, 3-3.5 × 2-2.3 mm, apex obtuse-rounded; lateral sepals spreading, narrowly elliptic, green, 3.5-3.7 × 1.7-1.9 mm, apex subobtuse. Petals straight, white or grey green, elliptic,

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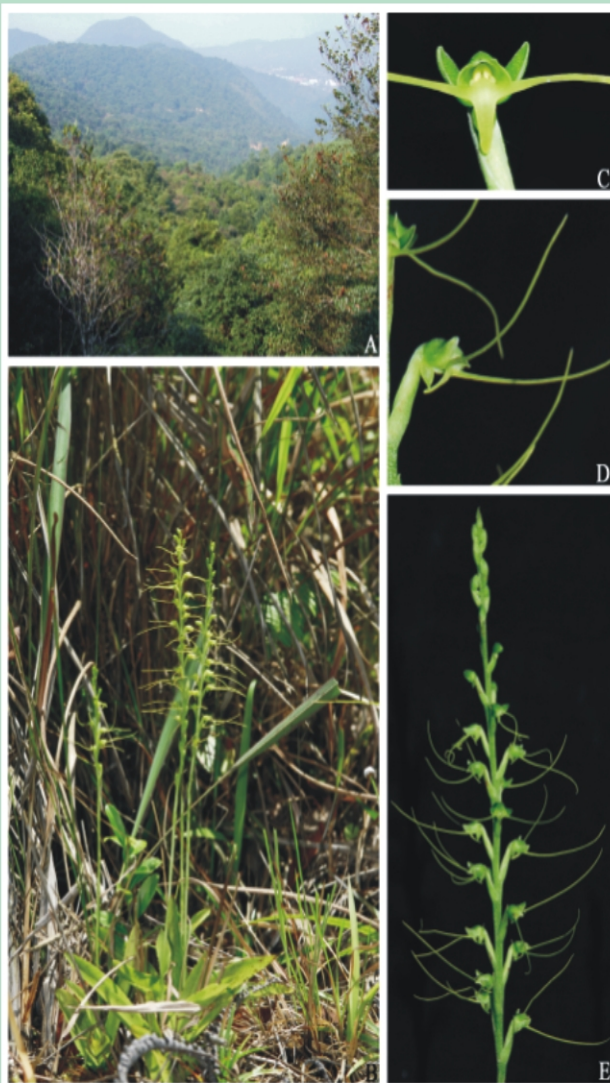


图1. 台湾阔蕊兰: A. 生境; B. 居群; C. & D. 花; E. 花茎。
Fig. 1 *Peristylus formosanus* (Schltr.) T. P. Lin: A. Habitat; B. A population; C-D. Flower; E. Scape

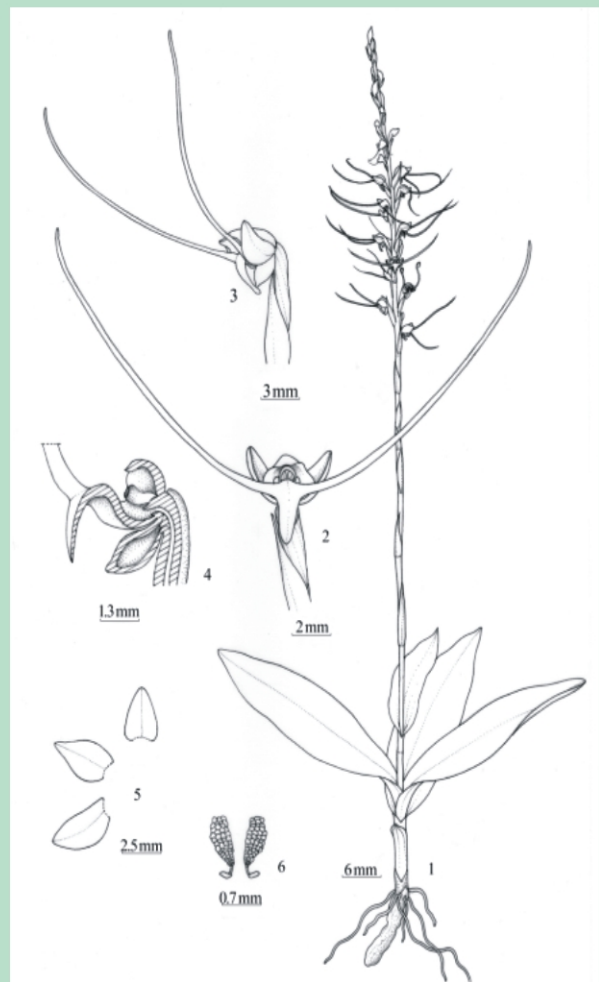


图2. 台湾阔蕊兰的形态: 1. 带花植株; 2. 花, 正面观; 3. 花, 侧面观; 4. 蕊柱与唇瓣, 纵截面; 5. 中萼片、花瓣与侧萼片; 6. 花粉块。(孔雪花根据Z. J. Liu 4065号标本绘)

Fig. 1 The morphology of *Peristylus formosanus* (Schltr.) T. P. Lin: 1. Flowering plants; 2. Flower, front view; 3. Flower, side view; 4. Column and lip, longitudinal section; 5. Dorsal sepal, petal and lateral sepal; 6. Pollinarium. Drawn by Miss X. H. Kong from Z. J. Liu 4065

3.8-4×2-2.5mm, apex slightly obtuse, adnate to abaxial sepal forming a hood; labellum 3-lobed; lateral lobes filiform, 1.7-1.9mm long, spreading at right angles to mid-lobe; mid-lobe curve downward, ligulate, 4-5mm long, base concave forming a lip, 1.3-1.5mm long, with a spur; spursaccate, 1.8-2mm long, apex subacute; column short; anther parallel, improbably intending into ditches at base; pollinarium with short caudicles and viscidia, viscidia small, ovate-elliptic, naked; rostellum small, laterally extending to short arms; stigmas 2, raised; staminodes 2, suboblong, stretching forward. Fl. Aug-Dec.

Specimen collected: Z. J. Liu 4065, Shenzhen,

Guangdong, China. Alt. 500m, grow on the mountain grassy slopes. The specimen is preserved in Herbarium of the National Orchid Conservation Center (NOCC).

Distribution: Guangdong, Shenzhen; Taiwan; Japan. The type collected from Taiwan. New record to mainland of China^[1].

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