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怀宁毛茛，安徽毛茛科一新种

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摘要：描述了发现自安徽的毛茛科毛茛属一新种，怀宁毛茛。此新种与猫爪草在亲缘关系上甚为相近，与后者的区别在于本种的植株具丝形，有块根的匍匐茎，具三出复叶的基生叶的二侧生小叶分裂成二不等大的小叶，心皮的花柱比子房稍短或与子房等长。

关键词：毛茛科，毛茛属，新种，安徽

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Ranunculus hainingensis, a new species of Ranunculaceae from Anhui

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Abstract: A species of the genus *Ranunculus* (Ranunculaceae) is described as new from Anhui Province. This species is closely related to *R. ternatus* Thunb., and from the latter differs in its filiform stolon with small root tubers, 2-foliolate lateral leaflets of ternate basal leaf, and the styles of carpels which are slightly shorter than or as long as ovaries.

Key words: Ranunculaceae, *Ranunculus*, new species, Anhui

怀宁毛茛 图 1

Ranunculus huainingensis W. T. Wang, Z. Yang &

J. Xie, sp. nov.

(Subgen. *Ranunculus* sect. *Tuberifer* Tamura)

Ob tubera radicalia praesentia, folia basalia simplicia et ternata et floris structuram similem species nova est arcte affinis *R. ternato* Thunb., a quo plantis stolones filiformes tuberiferos ferentibus, foliorum basaliurn ternatorum foliolis lateralibus saepe etiam in foliola duo inaequimagna petiolulata divisio, carpellorum stylis ovariis leviter

brevioribus vel eis aequilongis statim differt. In *R. ternato*, stolones nulli, foliorum basaliurn ternatorum foliola lateralia haud etiam in foliola duo divisa, et carpellorum styli ovariis ca. 5-plo breviores sunt.

Perennial herb, with 2-4 obconic root tubers 0.5-1 cm long. Stolons filiform, with internodes 0.8-3 cm long, ca. 0.1 mm in diam., glabrous, and on nodes with 1-2 tubers 0.4-0.6 cm long. Stems 1-2, 15-25 cm tall, glabrous, branched, rarely simple, few-leaved. Basal leaves ca. 6, long petiolate, simple and ternate, gla-

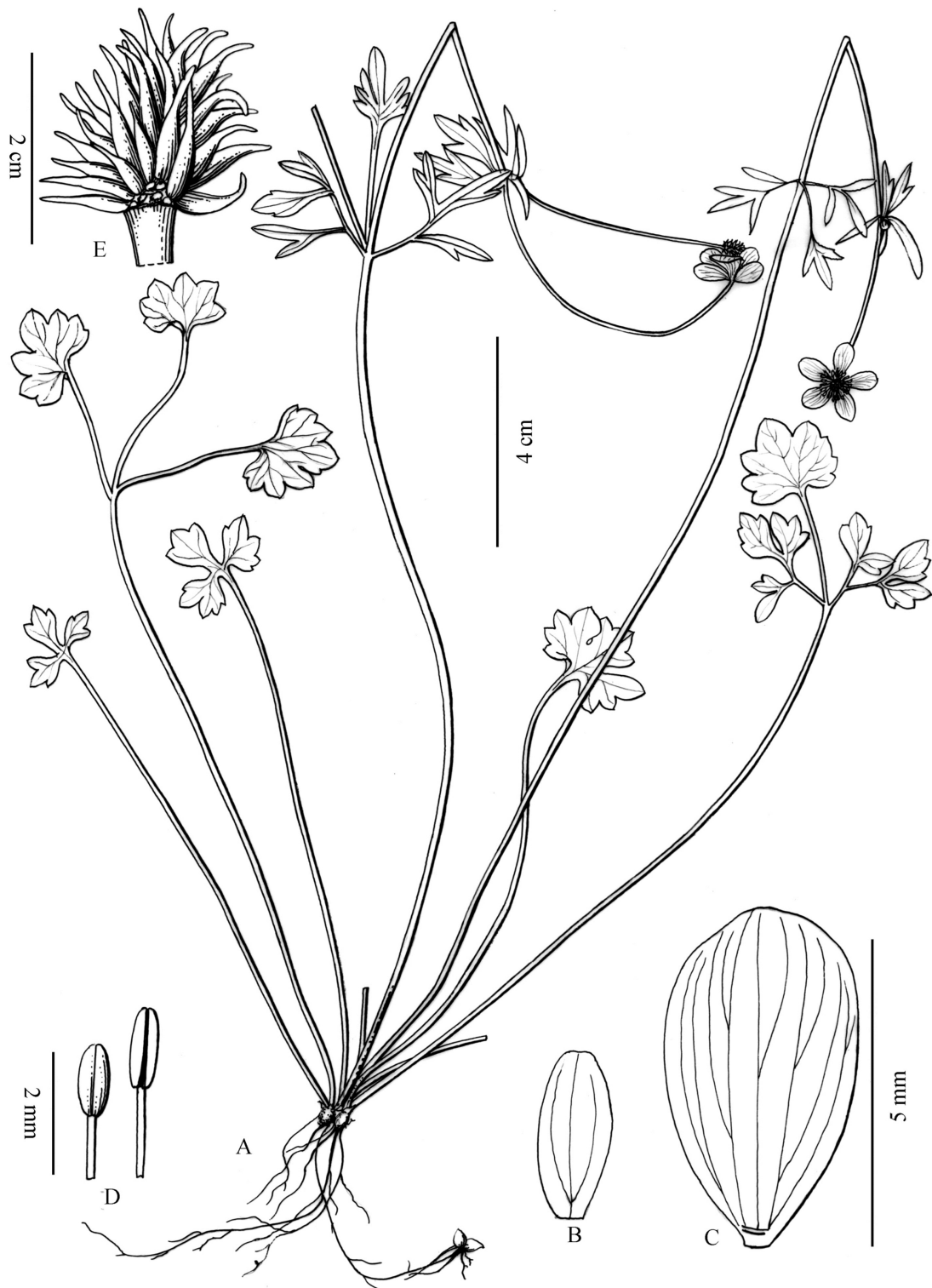


图 1 怀宁毛茛 A. 植株全形; B. 萼片; C. 花瓣; D. 2 雄蕊; E. 雌蕊群。

Fig. 1 *Ranunculus huainingensis* A. Habit; B. Sepal; C. Petal; D. Two stamens; E. Gynoecium. (from holotype)

brous; blades of simple leaves thinly papery, pentagonal, $0.6-1.2 \times 0.7-2$ cm, at apex rounded-obtuse, at base subtruncate, 3-lobed to 3-parted, central lobe 3-

lobulate or undivided, lateral lobes larger, unequally 2-lobulate, sometimes few-denticulate; blades of ternate leaves broadly rhombic, $1.2-4.5 \times 2.4-6.5$ cm, leaflets

long petiolulate (petiolules 0.3–3.2 cm long), either all similar to blades of simple leaves, or two laberal leaflets unequally 2-parted or even strongly unequally divided to two petiolulate undivided or unequally 2-lobed to 2-parted leaflets; petioles 5–13 cm long, at base slightly dilated. Cauline leaves 1–2, ternate, sessile, 1.6–4×2–5 cm; leaflets petiolulate, their blades 2–3-parted, with lobes obliquely narrowly ovate or sublinear, few-dentate or entire, glabrous or sparsely ciliate. Monochasia terminal, 2–4-flowered, glabrous; bracts similar to cauline leaves, but smaller; pedicels 1–5 cm long. Flowers 1–1.5 cm in diam., glabrous; Receptacle glabrous. Sepals 5, yellowish-greenish, narrowly elliptic, 3–3.4 × 1.2–1.6 mm, at apex truncate, trinerved. Petals 5, yellow, obovate or broadly obovate, 5–7×3.5–5 mm, at apex rounded, above base with a minute nectary pit, claw inconspicuous. Stamens ca. 30, 2–4 mm long; filaments filiform, 1–1.8 mm long; anthers oblong, 1–2 mm long. Gynoecium ovoid, ca. 2.5 mm long, with ca. 25 carpels; carpels 1–1.5 mm long; ovaries narrowly ovoid. 0.6–0.9 mm long; styles slightly shorter than or as long as ovaries, thinly subulate, 0.3–0.8 mm long.

安徽(Anhui): 怀宁县, 石镜镇, 邓林村 (Huaining Xian, Shijing Zhen, Denglin Cun), alt. 85 m, 山坡疏林(in sparse forest on slope), 草本植物成片生长 (herbs in clumps growing), 花黄色 (fls. yellow), 2015-

03-29, 王德群 D. Q. Wang) 150329032 (**holotype**, PE; isotype, ACM); 同地 (same locality), 2015-03-10, 谢晋, 王德群, 杨俊 (J. Xie, D. Q. Wang & Z. Yang) 2015030012 (PE, ACM); 同地, 2015-03-19, 杨俊, 谢晋, 肖雄 (Z. Yang, J. Xie & X. Xiao) 20150310004 (PE; ACM).

本种在亲缘关系上与猫爪草 (*Ranunculus ternatus* Thunb.) 甚为相近, 因为二种有共同的重要形态特征: 都具块根, 基生叶为单叶和三出复叶和相似的花构造, 一同隶属毛茛亚属猫爪草组 (subgen. *Ranunculus* sect. *Tuberifer* Tamura) (Tamura, 1995)。与猫爪草的区别在于本种具丝形, 有块根的匍匐茎, 具三出复叶的基生叶的二侧生小叶常分裂成二不等大的小叶, 心皮的花柱比子房稍短或与子房等长。在猫爪草, 无匍匐茎, 具三出复叶的基生叶的二侧生小叶不再分裂成小叶, 心皮的花柱比子房短约 5 倍 (Wang & Gilbert, 2001)。

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系 (ser. *Atroviridia* W. T. Wang) (王文采, 2012) 的深绿楼梯草 (*E. atroiride* W. T. Wang) 相似, 但是本种的茎和叶均无毛, 雄头状花序具由 8 枚苞片形成的总苞, 其花序梗较长 (长 4~10 cm), 其花序托有密集的腺点, 雌小苞片绿色, 不半透明, 密被长缘毛而不同。在深绿楼梯草, 茎顶端被短柔毛, 叶上面疏被糙伏毛, 下面脉上被短柔毛, 雄头状花序不具总苞, 其花序梗较短, 长达 1.5 cm, 其花序托不具腺体, 雌小苞片半透明, 呈白色, 疏被短缘毛 (王文采, 1995)。

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