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王文采. 柔毛赤车 广西荨麻科一新种[J]. 广西植物 2014, 34(1): 1-3

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柔毛赤车, 广西荨麻科一新种

王文采

(中国科学院植物研究所 系统与进化植物学国家重点实验室, 北京 100093)

摘要: 描述了自广西西南部发现的荨麻科(Urticaceae) 赤车属(*Pellionia*) 一新种 柔毛赤车(*P. mollissima*)。此种的特征是其瘦果具短线纹和瘤状突起, 据此果实特征, 可将此种与赤车属的其他种相区别。

关键词: 荨麻科; 赤车属; 新种; 广西

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Pellionia mollissima, a new species of Urticaceae from Guangxi

WANG Wen-Tsai

(State Key Laboratory of Systematic and Evolutionary Botany, Chinese Academy of Science, Beijing 100093, China)

Abstract: A species of the genus *Pellionia* (Urticaceae) *P. mollissima* is described as new from southwestern Guangxi. This species is characterized by its lineolate and tuberculate achenes, and by this unique fruit character it may be distinguished from all the other species of *Pellionia*.

Key words: Urticaceae; *Pellionia*; new species; Guangxi

柔毛赤车 图 1

Pellionia mollissima W. T. Wang sp. nov. Fig.

1.

Species nova haec acheniis longitudinaliter lineolatis et minutissime tuberculatis insignis est, secundum fructus characterem hunc a speciebus omnibus ceteris generis *Pellioniae* differt, etiam foliis utrinque densissime puberulis a speciebus sinensibus ceteris generis hujus recedit.

Perennial herbs, turns black when drying. Stems ca. 65 cm tall, near base 6 mm across, above densely puberulous (with hairs 0.2 mm long), below glabrous and longitudinally shallowly 10-sulcate. Leaves sessile; blades thin papery, obliquely oblanceolate or long elliptic, 13-17 cm long, 2-4.8 cm broad, apex long acuminate,

base at leaf narrow side long attenuate and at broad side obtuse or auriculate, margin denticulate; surfaces adaxially and abaxially very densely puberulous (with hairs 0.2-0.5 mm long); venation semi-tripinnate, with lateral nerves 3 at leaf narrow side, 5 at broad side; cystoliths dense, bacilliform, 0.2-0.5 mm long; stipules membranous, narrow-lanceolate or linear, 9-11.5 mm long, 2-2.8 mm broad, abaxially puberulous. Staminate cymes unknown. Infructescences singly axillary, small, ca. 3 mm long and broad, sessile, below from base very shortly 4-branched; bracts sessile, ovate, narrow-ovate or narrow-lanceolate, 0.5-0.6 mm long, 0.2-0.35 mm broad, brown, glabrous, apex acute or attenuate. Pistillate flower 5-merous, not seen; persistent tepals 5, lanceolate-linear or narrow-lanceolate, 0.7-1.5

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作者简介: 王文采(1926-) 男, 山东掖县人, 研究员, 中国科学院院士, 著名植物分类学家, 长期从事有花植物分类学研究。

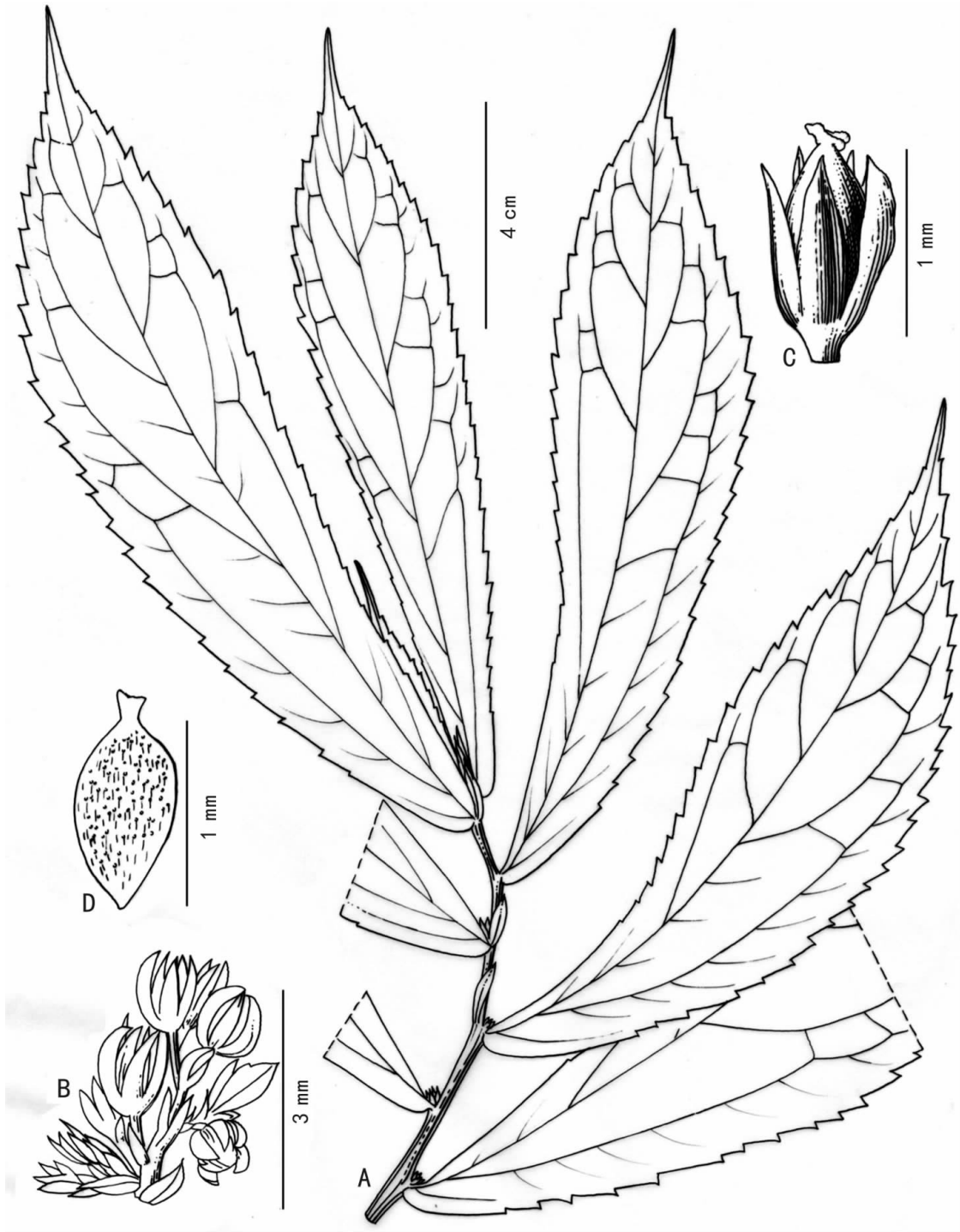


图 1 柔毛赤车 A. 雌茎上部; B. 果序; C. 宿存花被片和瘦果; D. 瘦果。(来自模式标本)

Fig. 1 *Pellionia mollissima* A. Upper part of pistillate stem; B. Inflorescence; C. Persistent tepals and achene; D. Achene. (from holotype)

long ρ . 3-0.4 mm broad, brown, at the middle part dark-brown, glabrous, apex acute. Achenes bilaterally compressed, biconvex, broad-elliptic, ca. 1 mm long, 0.6 mm broad, longitudinally lineolate and very minutely tuberculate, brown, apex with white membranous

remnants of stigma ca. 0.2 mm long.

多年生草本, 当干燥时变为黑色。茎高约 65 cm, 近基部粗 6 mm, 上部密被短柔毛(毛长 0.2 mm), 下部无毛并具 10 条浅纵沟。叶无柄; 叶片薄纸质, 斜倒披针形或长椭圆形, 长 13~17 cm, 宽 2~

4.8 cm, 顶端长渐尖, 基部狭侧长渐狭, 宽侧钝或耳形, 边缘具小牙齿, 两面极密被短柔毛(毛长 0.2~0.5 mm), 半离基三出脉, 侧脉在叶狭侧 3 条, 在宽侧 5 条, 种乳体密集, 杆状, 长 0.2~0.5 mm; 托叶膜质, 狭披针形或条形, 长 9~11.5 mm, 宽 2~2.8 mm, 背面被短柔毛。雄聚伞花序未见。雌聚伞花序单生叶腋, 小, 长和宽均为 3 mm, 无梗, 下部自基部起有 4 条很短分枝; 苞片无柄, 卵形、狭卵形或狭披针形, 长 0.5~0.6 mm, 宽 0.2~0.35 mm, 褐色, 无毛, 顶端急尖或渐狭。雌花五基数, 未见; 宿存花被片 5, 披针状条形或狭披针形, 长 0.7~1.5 mm, 宽 0.3~0.4 mm, 褐色, 中央暗褐色, 无毛, 顶端急尖。瘦果两侧扁, 双凸, 宽卵圆形, 长约 1 mm, 宽 0.6 mm, 具纵列短线纹和极小瘤状突起, 褐色, 顶端具长约 0.2 mm 的柱头膜质残遗部分。

广西 (Guangxi): 龙州 (Longzhou), 金龙 (Jinlong), alt. 250 m, 石灰岩山林中 (under forest in limestone hill), 2003-09-15, 税玉民, 陈文红 (Y. M.

Shui & W. H. Chen) B2003-038 (holotype, PE)。

本种的突出特征是瘦果具纵列短线纹和小瘤状突起, 据此特征即可与赤车属的其他所有种相区别; 在此属其他种, 瘦果通常具瘤状突起, 在少数种光滑或具不规则条纹 (marmorate) 或短线纹 (lineolate) (Schröter, 1936; 王文采, 1995)。此外, 本种的另一特征是叶两面均密被短柔毛, 据此一特征即可与我国赤车属的其他所有种相区别; 在我国此属其他种, 叶两面均有多少稀疏的毛, 或只上面或只下面有毛, 或两面均无毛 (王文采, 1995)。

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