

【原文刊载】“四川铁线莲属二新种”已发表于《广西植物》，2012，32(1)：1-4.

四川铁线莲属二新种

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摘要: 描述了自四川东南部发现的毛茛科铁线莲属二新种: 黄荆铁线莲和古蔺铁线莲。

关键词: 毛茛科, 铁线莲属, 新种, 四川

中图分类号: Q949 文献标识码: A 文章编号: 1000-3142(2016)增刊 1-0073-03

Two new species of *Clematis* (Ranunculaceae) from Sichuan

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Abstract: Two species of the genus *Clematis* (Ranunculaceae), *C. huangjingensis*, belonging to sect. *Clematis* subsect. *Clematis* and *C. gulinensis*, belonging to sect. *Viorna* (Reichb.) Prantl subsect. *Connatae* Koehne, are described as new from Sichuan, China.

Key words: Ranunculaceae, *Clematis*, new species, Sichuan

中国科学院植物研究所标本馆于 2010 年秋季派队到四川东南部古蔺县进行植物区系考察, 采集到大量植物标本, 最近我们在鉴定其中毛茛科标本的过程中发现铁线莲属二新种, 现在本文发表。

铁线莲属 *Clematis* L.

黄荆铁线莲 图 1: A-B

Clematis huangjingensis W. T. Wang & L.Q.Li, sp.nov.(sect. *Clematis* subsect. *Clematis*) Fig.1: A-B

Species nova haec est affinis et foliorum forma simillima *C. chingii* W. T. Wang, quae foliolis supra stri-gosis interdum trilobatis, inflorescentiis paniculatis multi-floris, stylis persistentibus circ. 4 cm longis facile differt.

Liana lignosa. Caulis brunneo-purpureus, circ. 2.5 mm crassus, longitudinaliter vadosaque 8-sulcatus, dense adpresseque puberulus. Folia opposita, 5-foliolatum pin-nata, 17-22 cm longa; foliola petiolulata, petiolulis (2-) 10-22 mm longis cum petiolis et rhachibus dense ad-presseque puberulis, lamminis papyraceis anguste ovatis vel ellipticis 6-9 cm longis 3.8-5 cm latis apice acumi-antis vel acutis basi rotundatis vel rotundato-truncatis margine utroque latere 1-3(-6)-dentatis supra glabris subtus puberulis, nervis basalibus tribus utrinque planis; petioli circ. 5 cm longi. Cymae axillares, 1-florae; pedunculi fructiferi 2.5-3 cm longi, cum bracteis et pedicellis adpresse puberuli; bractee oppositae,

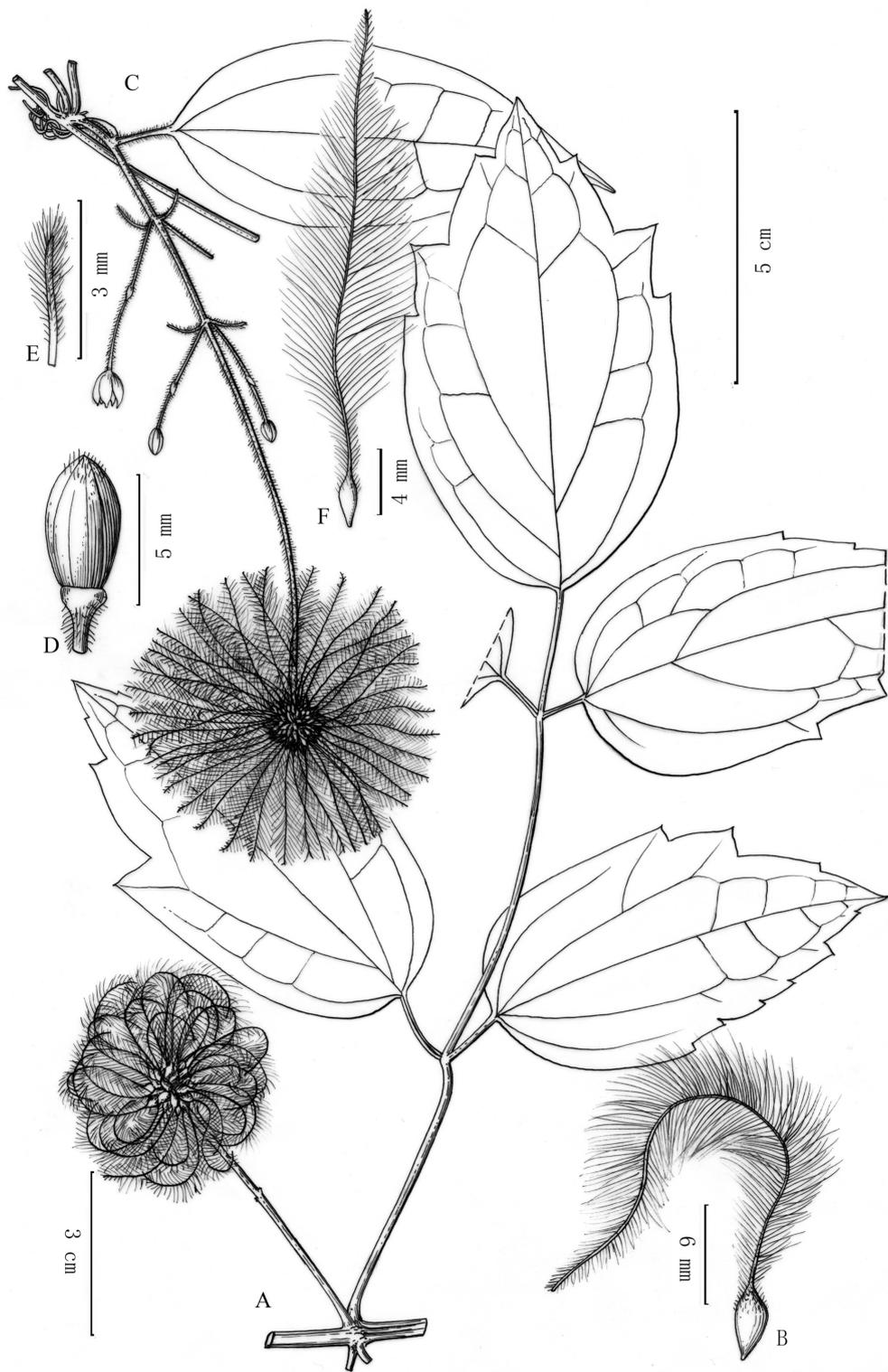


图 1 A-B. 黄荆铁线莲 A. 叶和腋生果序; B. 瘦果 C-F. 古蔺铁线莲 C. 叶和腋生果序、花蕾; E. 幼雄蕊; F. 瘦果。
Fig. 1 A-B. *Clematis huangjingensis* A. Leaf and axillary fruiting inflorescence; B. Achene C-F. *Clematis gulinensis*
C. Leaf and axillary fruiting inflorescence; D. Flower bud; E. Young stamen; F. Achene. (from holotype)

anguste ovatae, circ. 2 mm longae; pedicelli fructiferi circ. 1.5 cm longi. Flores ignoti. Achenia siccitate

nigra, anguste obovoidea, circ. 3.5 mm longa, 2 mm lata, pilosa, stylis persistentibus albo-plumosis circ. 2.6 cm

longis.

木质藤本。茎褐紫色,粗约 2.5 mm,有 8 条浅纵沟,密被贴伏短柔毛。叶对生,为具 5 小叶的羽状复叶,长 17~22 cm;小叶具柄;小叶柄长(2~)10~22 mm,与叶柄和叶轴均密被贴伏短柔毛;小叶片纸质,狭卵形或椭圆形,长 6~9 cm,宽 3.8~5 cm,顶端渐尖或急尖,基部圆形或圆截形,边缘每侧有 1~3(~6)枚牙齿,上面无毛,下面被短柔毛,基出脉 3 条,两面平;叶柄长约 5 cm。聚伞花序腋生,具 1 花;花序梗果期长 2.5~3 cm,与苞片和花梗均被贴伏短柔毛;苞片对生,狭卵形,长约 2 mm;花梗果期长约 1.5 cm。瘦果干时黑色,狭倒卵球形,长约 3.5 mm,宽约 2 mm,被疏柔毛;宿存花柱羽毛状,长约 2.6 cm,毛白色。

四川(**Sichuan**): 古蔺县(Gulin Xian), 黄荆乡(Huangjing Xiang), 四来桥至黑熊沟(from Silaiqiao to Heixiongou), 28° 11' 70" N, 105° 47' 17" E, alt. 1 338~1 513 m,常绿阔叶林下(in evergreen broad-leaved forest),宿存花柱白色,2010-09-08,PE-古蔺考察队(Gulin Expedition of PE)1003(**holotype**,PE)。

本种与两广铁线莲(*Clematis chingii* W. T. Wang)有亲缘关系,在小叶形状方面极为相似,但本种的小叶上面无毛,不分裂,聚伞花序只有 1 花,瘦果宿存花柱较短,长约 2.6 cm 而不同。在两广铁线莲,小叶上面被糙伏毛,有时三浅裂,花序圆锥状,具多数花,瘦果宿存花柱长约 4 cm(Wang,2003)。

古蔺铁线莲 图 1: C-F

Clematis gulinensis W. T. Wang & L. Q. Li, sp. nov. (sect. *Vionna* (Reichb.) Prantl subsect. *Connatae* Koehne) Fig. 1: C-F

Species nova haec est affinis *C. henryi* Oliv., quae foliis saepe lanceolatis margine minute denticulatis subtus ad nervos sparse puberulis, nervis basalibus 3-5 (-7), petiolis 2-6.5 cm longis, cymis vulgo 1-floris ubi 5-floris haud racemiformibus, antheris glabris praeclare recedit.

Liana lignosa. Caulis atro-purpureus, 1-1.4 mm crassus, longitudinaliter 4- vel 6-angulatus, sparse patuleque puberulus, glabrescens. Folia opposita, simplicia; laminae tenuiter coriaceae, ovatae vel anguste ovatae, 4.8-8 cm longae, 1.8-3.6 cm latae, apice acuminatae, basi rotundatae vel late cuneatae, margine integrae, supra glabrae, subtus dense puberulae, trinerves, nervis basalibus supra planis subtus leviter prominulis; petioli

0.6-1.2 cm longi, cum pedunculis dense patuleque puberuli. Cymae axillares, nunc 1-3-florae, nunc 5-florae et racemiformes; pedunculi 7-15 mm longi; bracteae oppositae, anguste lanceolato-lineares, 2-6.5 mm longae, puberulae; pedicelli 0.5-5 cm longi, puberuli, terminales haud bracteolati, axillares 2-bracteolati; bracteolae oppositae, anguste lineares vel subulatae, 2-3 mm longae, puberulae. Alabastrum ovoideum, circ. 5 mm longum; sepala 4, valvata, coriacea, elliptico-ovata, intus glabra, extus prope apicem sparse puberula, margine velutina; stamina juvenalia linearia, circ. 3 mm longa, infra medium pubescentia, supra medium antheras includentia dense villosa; carpella perjuvenalia, minuta, circ. 1 mm longa. Achenia bilaterliter compressa, anguste obovata, circ. 3.2 mm longa, 1.5 mm lata, sparse pilosa, stylis persistentibus albo-plumosis circ. 3 cm longis.

木质藤本。茎黑紫色,粗 1~1.4 mm,有 4 或 6 纵棱,疏被开展短柔毛,变无毛。叶对生,为单叶;叶片薄革质,卵形或狭卵形,长 4.8~8 cm,宽 1.8~3.6 cm,顶端渐尖,基部圆形或宽楔形,边缘全缘,上面无毛,下面密被短柔毛,具三出脉,基出脉上面平,下面稍隆起;叶柄长 0.6~1.2 cm,与花序梗均密被开展短柔毛。聚伞花序腋生,有时据 1~3 花,有时具 5 花,并呈总状花序状;花序梗长 7~15 mm;苞片对生,狭披针状条形,长 2~6.5 mm,被短柔毛;花梗长 0.5~5 cm,被短柔毛,顶生者无小苞片,侧生者具 2 小苞片;小苞片对生,狭条形或钻形,长 2~3 mm,被短柔毛。花蕾卵球形,长约 5 mm;萼片 4,镊合状排列,革质,椭圆状卵形,内面无毛,外面近顶端疏被短柔毛,边缘有短绒毛;雄蕊幼,条形,长约 3 mm,中部以下被柔毛,中部以上包括花药密被长柔毛;心皮尚极幼,极小,长约 1 mm。瘦果两侧扁,狭倒卵形,长约 3.2 mm,宽 1.5 mm,被疏毛;宿存花柱羽毛状,长约 3 cm,毛白色。

四川(**Sichuan**): 古蔺县(Gulin Xian), 黄荆乡(Huangjing Xiang), 28° 16' 25" N, 105° 48' 34" E, alt. 1 100~1 580 m,山谷林中(under forests in valley), 2010-09-05,PE-古蔺考察队(Gulin Expedition of PE) 0662(**holotype**,PE)。

本种在亲缘关系方面接近单叶铁线莲(*Clematis henryi* Oliv.),但叶卵形,边缘全缘,下面密被短柔毛,基出脉 3 条,叶柄较短,长 0.6~1.2 cm,聚伞花序有 5 花时呈总状花序状,花药密被长柔毛而可区别。在单(下转第 213 页 Continue on page 213)