

楼梯草属四新种和一新变种

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摘要: 描述了荨麻科楼梯草属小叶楼梯草组一新变种, 维西楼梯草, 骤尖楼梯草组骤尖楼梯草系一新种, 兜船楼梯草, 南川楼梯草系二新种, 罗氏楼梯草和异晶楼梯草, 以及疏毛楼梯草系一新种, 福贡楼梯草。

关键词: 荨麻科; 楼梯草属; 新种; 新变种; 中国

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Four New Species and One Variety of *Elatostema* (Urticaceae) from China

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Abstract: One variety, *Elatostema bijiangense* var. *weixiense*, belonging to sect. *Weddellia* ser. *Crenata*, one species, *E. cucullatonaviculare*, belonging to sect. *Elatostema* ser. *Cuspidata*, two species, *E. luoi* and *E. heterogrammicum*, belonging to sect. *Elatostema* ser. *nanchuanensia*, and one species, *E. fugongense*, belonging to sect. *Elatostema* ser. *Albopilosa*, are described as new from China.

Key words: Urticaceae; *Elatostema*; New species; New variety; China

最近, 在鉴定我国荨麻科楼梯草属植物标本的过程中, 发现了此属的 4 新种和一新变种, 现在本文发表。

楼梯草属 *Elatostema* J. R. & G. Forster

1 小叶楼梯草组 Sect. *Weddellia* (H. Schröter)

W. T. Wang

1.1 浅齿楼梯草系 Ser. *Crenata* W. T. Wang

维西楼梯草 (变种) 图 1: E-H

Elatostema bijiangense var. *weixiense* W. T.

Wang, var. nov.

A var. *bijiangensi* differt caulibus e basi ad apicem hirtellis, capitulo pistillato sessili, ejus receptaculo subquadrato 8 mm longo et lato 4-lobulato, ejus bracteis involucribus circ. 30 albidis centro longitudinaliter late 1-viridi-striatis inaequalibus 8 majori-

bus depresso late ovatis circ. 0.8 mm longis 1.5 mm latis apice corniculatis, cornibus 0.8-1 mm longis, 22 ceteris minoribus late triangularibus circ. 0.8 mm longis 0.3-0.4 mm latis apice acutis vel apiculatis.

本变种与模式变种的区别: 茎自基部到顶端被短硬毛; 雌头状花序无梗, 花序托近方形, 长和宽均为 8 mm, 苞片约 30, 白色, 在中央有 1 绿色宽条纹, 不等大, 8 枚较大, 扁宽卵形, 长约 0.8 mm, 宽 1.5 mm, 顶端有长 0.8 ~ 1 mm 的角状突起, 其他 22 枚较小, 宽三角形, 长约 0.8 mm, 宽 0.4 ~ 0.5 mm, 顶端急尖或小尖头。在模式变种 var. *bijiangense*, 茎在顶部疏被短柔毛, 其他部分无毛, 雌头状花序有长 1.2 mm 的花序梗, 花序托较小, 椭圆形, 长 5 mm, 宽 4 mm, 苞片约 20, 白色, 无绿条纹, 近等大, 狭三角形, 少数三角形, 长 0.6 ~ 1.4 mm, 宽 0.1 ~ 0.4

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mm, 顶端锐尖, 无突起, 只有1枚顶端有1角状突起。(王文采, 1995; 并见本文图1: E-H)

云南 (Yunnan): 维西 (Weixi), 白济风 (Baijifeng), 西宕瓦 (Xidangwa), 海拔1800 m, 江边灌丛下湿地 (in damp places under shrubberies on river bank), 1981-07-09, 植物所横断山调查队 (Hengduan Shan Exped. Bot. Inst.) 1209 (holotype, PE)。

2 骤尖楼梯草组 Sect. *Elatostema*

2.1 骤尖楼梯草系 Ser. *Cuspidata* W. T. Wang

兜船楼梯草 图2: F-K

Elatostema cucullatonaviculare W. T. Wang, sp. nov.

Species nova haec est affinis *E. pseudcuspidato* W. T. Wang, quod foliorum laminis obovatis vel ellipticis basi latere latiore subauriculatis, stipulis minoribus 3.4-8.5 mm longis albis, bracteis staminatis

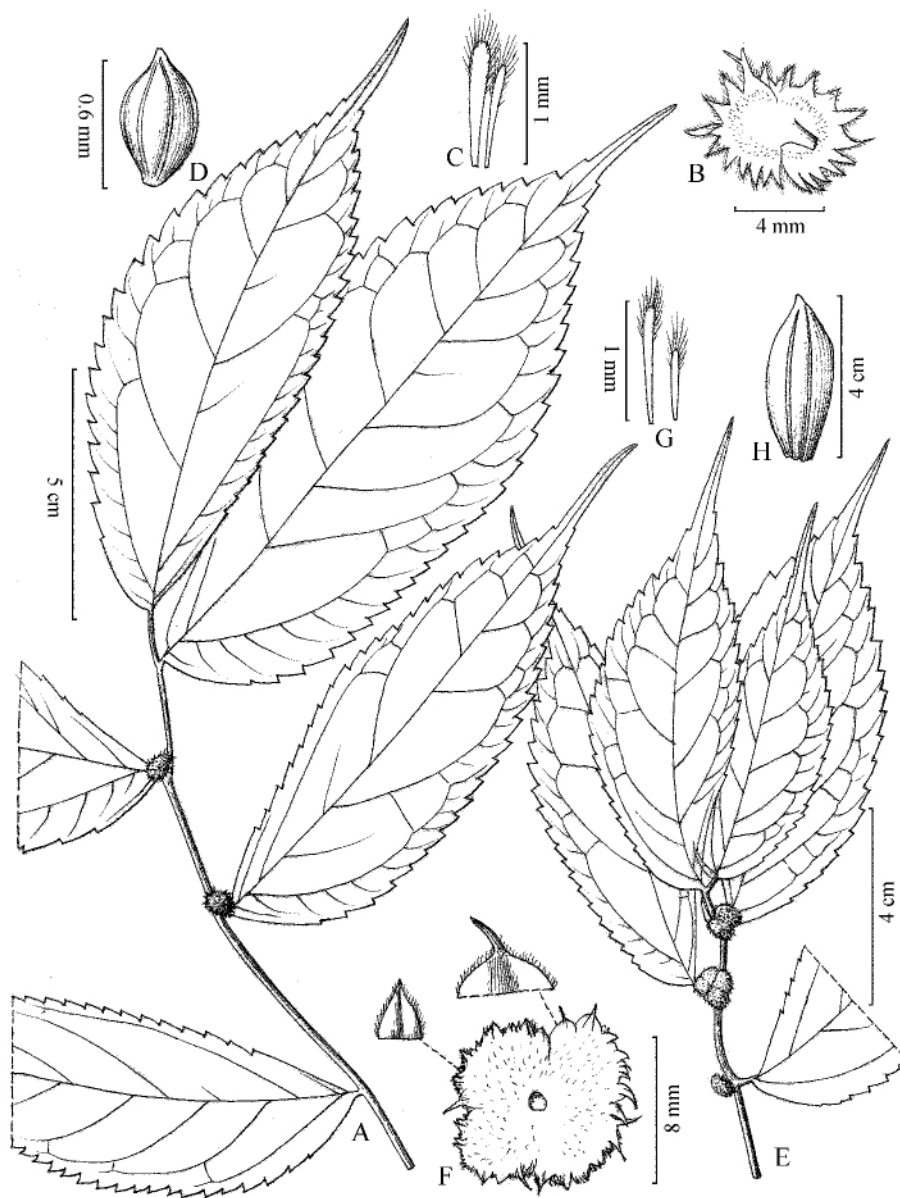


图1 A-D. 碧江楼梯草模式变种 A. 开花茎上部, B. 雌头状花序, C. 小苞片, D. 瘦果。

E-H. 维西楼梯草 E. 开花茎上部, F. 雌头状花序, G. 小苞片, H. 瘦果

Fig. 1 A-D. *Elatostema bijiangense* var. *bijiangense* A. upper part of flowering stem, B. pistillate capitulum, C. bracteoles, D. achene. (from holotype) E-H. *E. bijiangense* var. *weixiense* E. upper part of flowering stem, F. pistillate capitulum, G. bracteoles, H. Achene. (from holotype)

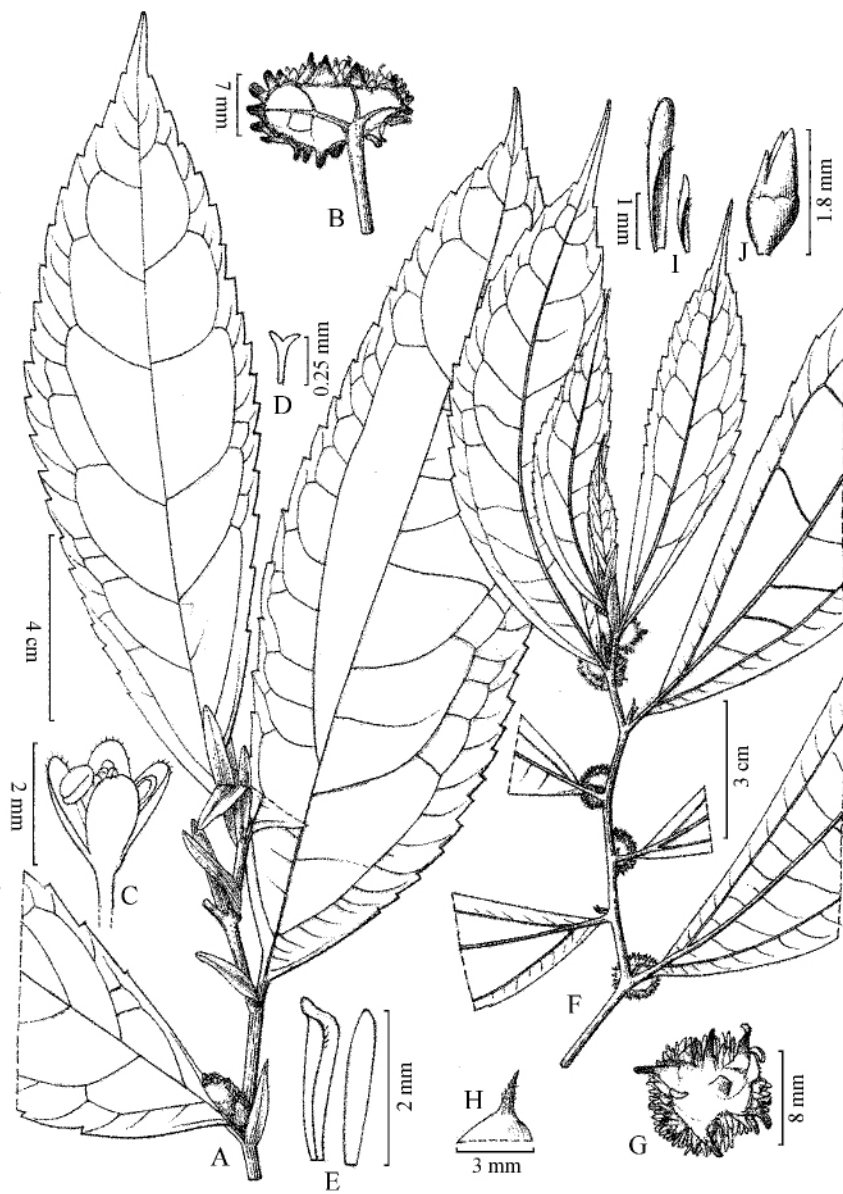


图2 A-E. 福贡楼梯草 A. 开花茎上部, B. 雄头状花序, C. 雄花, D. 退化雌蕊, E. 小苞片。

F-J. 兜船楼梯草 F. 开花茎上部, G. 雄头状花序, H. 苞片, I. 小苞片, J. 雄花蕾

Fig. 2 A-E. *Elatostema fugongense* A. upper part of flowering stem, B. staminate capitulum, C. staminate flower, D. pistillode, E. bracteoles. (from holotype) F-J. *E. cucullatoniculare* F. upper part of flowering stem, G. staminate capitulum, H. bract, I. bracteoles, J. staminate flower bud. (from holotype)

pluribus 16 per capitulum staminatum cum bracteolis staminatis dorso infra apicem breviter corniculatis apice haud anguste cucullatis differt.

Herba perennis. Caulis circ. 55 cm altus, basi 5 mm crassus, glaber, simplex, circ. 15-foliatus. Folia breviter petiolata, glabra; laminae papyraceae, oblique oblongae, 6.5–16 cm longae, 1.6–3.8 cm latae, apice acuminatae, acuminibus integris,

basi oblique cuneatae, margine denticulatae, trinerves, nervis basalibus subtus prominentibus, eis lateralibus folii latere angustiore 1–4 eo latiore 3–5 utrinque planis, cystolithis conspicuis densiusculis bacilliformibus 0.1–0.4 (–0.5) mm longis; petioli 1–4 mm longi; stipulae membranaceae, lineari-lanceolatae, circ. 13 mm longae, 2 mm latae, viridulae, 1-viridi-nerves. Capitula staminata singulariter

axillaria, 7–9 mm in diam.; pedunculus 1 mm longus, glaber; receptaculum late oblongum, circ. 5 mm longum, 4 mm latum, glabrum; bracteae circ. 7, albidae, deltoideae, 1–1.2 mm longae, 2–2.5 mm latae, apice corniculatae, cornibus viridibus subulatis 1–3 mm longis sparse puberulis; bracteolae numerosae, densae, semihyalinae, naviculares, 1.2–3 mm longae, 0.4–0.9 mm latae, superne sparse ciliolatae, apice anguste cucullatae. Alabastria staminata late obovoidea, circ. 0.9 mm in diam., glabra, apice inaequaliter 3-corniculata, cornibus anguste triangularibus 0.3–0.9 mm longis. Capitula pistillata ingota.

多年生草本。茎高约 55 cm，基部粗 5 mm，无毛，不分枝，约有 15 叶。叶具短柄，无毛；叶片纸质，斜长圆形，长 6.5 ~ 16 cm，宽 1.6 ~ 3.8 cm，顶端渐尖（渐尖头全缘），基部斜楔形，边缘有小牙齿，三出脉，基出脉下面隆起，侧脉在叶狭侧 2 ~ 4 条，在宽侧 3 ~ 5 条，两面平，钟乳体明显，稍密，杆状，长 0.1 ~ 0.4 (~ 0.5) mm；叶柄长 1 ~ 4 mm；托叶膜质，条状披针形，长约 13 mm，宽 2 mm，淡绿色，有 1 条绿色中脉。雄头状花序单生叶腋，直径 7 ~ 9 mm；花序梗长约 1 mm，无毛；花序托宽长圆形，长约 5 mm，宽 4 mm，无毛；苞片约 7，白色，正三角形，长 1 ~ 1.2 mm，宽 2 ~ 2.5 mm，顶端具角状突起，突起绿色，钻形，长 1 ~ 3 mm，疏被短毛；小苞片多数，密集，半透明，船形，长 1.2 ~ 3 mm，宽 0.4 ~ 0.9 mm，上部疏被短缘毛，顶端狭兜状。雄花蕾宽倒卵球形，直径约 0.9 mm，无毛，顶端具 3 枚不等大的角状突起，突起狭三角形，长 0.3 ~ 0.9 mm。雌头状花序未见。

云南 (Yunnan): 贡山 (Gongshan), 独龙江 (Dulongjiang), 铁郎当 (Tielangdang), alt. 1 500 m, 山谷常绿林中 (under evergreen forest in valley), herbs ascending, 80 cm tall, 1991-03-09, 独龙江队 (Dulongjiang Exped.) 4402 (holotype, PE).

本种与假骤尖楼梯草 *E. pseudocuspdatum* W. T. Wang 近缘，区别在于本种的叶片为长圆形，基部斜楔形，托叶较大，长约 13 mm，淡绿色，每雄头状花序的苞片较少，为 7 枚，顶端具角状突起，雄小苞片顶端狭兜状。在假骤尖楼梯草，

叶片倒卵形或椭圆形，基部宽侧近耳形，托叶较小，长 3.4 ~ 8.5 mm，呈白色，每雄头状花序的苞片较多，约 16 枚，与雄小苞片均在背面顶端之下有角状突起，顶端不为狭兜状。(王文采, 1995)

2.2 南川楼梯草系 Ser. *Nanchuanensia* W. T. Wang 罗氏楼梯草 图 3

Elatostema luoi W. T. Wang, sp. nov.

Species nova haec est fortasse affinis *E. tenuifolio* W. T. Wang, quod foliis apice acuminatis, eorum cystolithis majoribus 0.3–0.5 mm longis, capituli pistillati receptaculo haud diviso pilis 0.15–0.7 mm longis oblecto, bracteis sese valde redactis inconspicuis sed apice conspicue longeque corniculatis, cornibus usque ad 2.5 mm longis, acheniis tantum costatis haud tuberculatis differt.

Herba perennis. Caulis circ. 35 cm altus, basi 3 mm crassus, superne hirtellus, simplex vel inferne breviter 1–2-ramosus, 10–14-foliatus. Folia breviter petiolata; laminae tenuiter papyraceae, oblique longeque ellipticae, 6.5–17 cm longae, 2.6–4.6 cm latae, apice cuspidatae, cuspidibus anguste triangularibus vel lineari-triangularibus 1–2.8 cm longis 2–6 mm latis integris, basi oblique cuneatae, margine argute dentatae, utrinque sparsissime strigulosae, penninerves, nervis lateralibus latere angustiore 3–5 eo latiore 4–6 inconspicuis, cystolithis inconspicuis densiusculis breviter bacilliformibus 0.1–0.2 mm longis; petioli 1.5–7 mm longi, glabri; stipulae anguste lanceolato-lineares, circ. 2 mm longae, 0.2 mm latae, glabrae. Capitula staminata ignota. Capitula pistillata singulariter axillaria, breviter pedunculata; pedunculus circ. 2 mm longus, glaber; receptaculum subquadratum, circ. 8 mm longum, 5 mm latum, pilis minutis 0.1 mm longis hyalinis densiuscule oblectum, e centro nervis aliquot radiatim abeuntibus, 4-lobatum, lobis apice rotundatis; bracteae circ. 22, depresse deltoideae, 0.5–0.8 mm longae, 0.5–1.2 mm latae, albidae vel centro virides, apice corniculatae, cornibus viridibus 0.8–1.2 mm longis puberulis, dorso saepe 2–3-costatae; bracteolae numerosae, densae, membranaceae, semihyalinae, albidae, oblanceolato-line-

ares, 0.5–1 mm longae, apice dense ciliatae. Flos pistillatus subsessilis: tepala nulla; pistillum circ. 4.5 mm longum, ovario longe ovoideo 0.35 mm longo, stigmate penicillato 0.1 mm longo. Achenia albo-luteola, anguste ovoidea, circ. 0.8 mm longa, 0.35 mm lata, inconspicue longitudinaliter tenuiterque 6-costata et tuberculata.

多年生草本。茎高约 35 cm, 基部粗 3 mm, 上部被短硬毛, 不分枝或下部有 1~2 短分枝, 有 1~14 叶。叶具短柄; 叶片薄纸质, 斜长椭圆形, 长 6.5~17 cm, 宽 2.6~4.6 cm, 顶端骤尖 (尖头长 1~2.8 cm, 宽 2~6 mm, 全缘), 基部斜楔形, 边缘具锐牙齿, 两面被极疏短糙伏毛, 羽状脉, 侧脉在叶狭侧 3~5 条, 在宽侧 4~6

条, 不明显, 钟乳体不明显, 稍密, 短杆状, 长 0.1~0.2 mm, 叶柄长 1.5~7 mm, 无毛; 托叶狭披针状条形, 长约 2 mm, 宽 0.2 mm, 无毛。雄头状花序未见。雌头状花序单生叶腋, 具短梗; 花序梗长约 2 mm, 无毛; 花序托近长方形, 长约 8 mm, 宽 5 mm, 稍密被透明长约 0.1 mm 的短毛, 自中央有数脉辐射状展展, 4 浅裂, 裂片顶端圆形; 苞片约 22, 扁正三角形, 长 0.5~0.8 mm, 宽 0.5~1.2 mm, 白色或中央绿色, 顶端有角状突起, 突起绿色, 长 0.8~1.2 mm, 有短毛, 背面常有 2~3 条肋; 小苞片多数, 密集, 膜质, 半透明, 白色, 倒披针状条形, 长 0.5~1 mm, 顶端密被缘毛。雌花近无梗: 花被片不存在; 雌蕊长约 0.45 mm, 子房长卵球形, 长 0.35 mm,

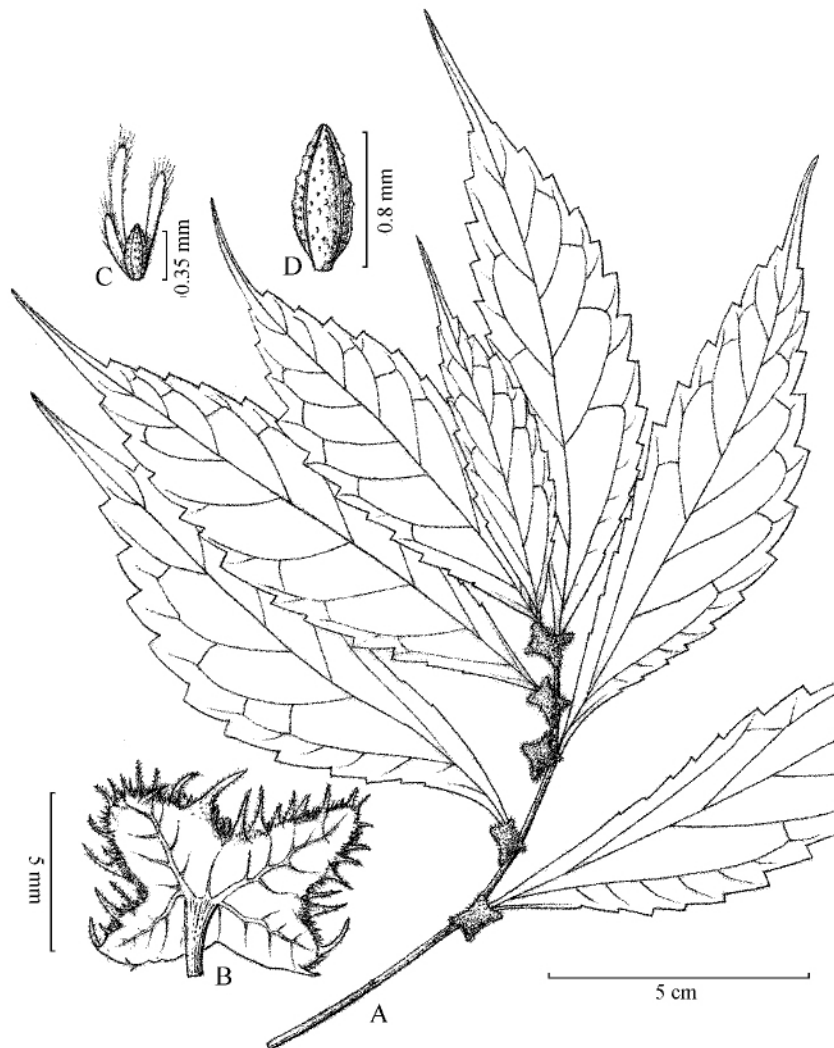


图 3 罗氏楼梯草 A. 开花茎上部, B. 雌头状花序, C. 雌花和小苞片, D. 瘦果

Fig. 3 *Elatostema luoi* A. upper part of flowering stem, B. pistillate capitulum, C. pistillate flower and three bracteoles, D. achene. (from holotype)

柱头画笔头状，长 0.1 mm。瘦果白黄色，狭卵球形，长约 0.8 mm，有 6 条不明显纵肋，并有瘤状突起。花期 9–10 月。

湖南 (Hunan): 新宁 (Xinning), 崑山 (Langshan), 船板山 (Chuanbanshan), 海拔 600 m, 林下石上 (on rocks under forest), 花黄绿色 (fls. yellow-green), 2011–10–12, 罗仲春 (Z. C. Luo) 2623 (holotype, PE).

本种可能与薄叶楼梯草 *E. tenuifolium* W. T. Wang 有亲缘关系，但后者的叶在顶端渐尖，其钟乳体较大，长 0.3~0.5 mm，雌头状花序的花序托不分裂，其上的毛长 0.15~0.7 mm，雌苞片本身强烈退化，不明显，其角状突起却发育良好，长达 2.5 mm，瘦果具纵肋，不具瘤状突起，可与本种区别。(王文采, 1995)

本种以模式标本采集者罗仲春先生命名。罗先生是新宁县林学家，多年来对新宁县植物区系进行了深入研究，2008 年，与其子罗毅波教授编著出版《新宁植物》。

异晶楼梯草 图 4

Elatostema heterogrammicum W. T. Wang, sp. nov.

Ob folia penninervia et capitulum staminatum pedunculo brevi vel longiusculo et receptaculo discoideo praeditum species nova haec ad Ser. *Nanchuanensia* W. T. Wang pertinet, et in serie hac est fortasse affinis *E. pseudobrachyodonto* W. T. Wang, quod foliorum acuminibus integris, stipulis ciliolatis, pedunculis staminatis brevioribus 3 mm longis, bracteis staminatis dorso haud costatis vel cristatis apice haud corniculatis, bracteolis staminatis tantum linearibus haud obovatis et apice ciliatis distinguitur.

Herba perennis. Caulis circ. 35 cm altus, basi 3 mm crassus, glaber, simplex, circ. 10-foliatus. Folia breviter petiolata vel sessilia; laminae papyraceae, oblique ellipticae vel oblique angustae obovatae, 6–17 cm longae, 2–7 cm latae, apice caudato-acuminatae vel acuminatae, acuminibus utrinsecus 2–3-denticulatis, basi oblique cuneatae vel latere latiore rotundatae, margine dentatae, supra sparse strigulosae, subtus glabrae, penninerves, nervis lateralibus 4–7-jugis supra planis subtus prominentibus, cystolithis in foliis nonnullis incon-

spicuis sparsis plerumque bacilliformibus 0.1–0.3 mm longis et in foliis aliis conspicuis densissimis bacilliformibus vel punctiformibus 0.1–0.15 mm longis; petioli usque ad 5 mm longi, glabri; stipulae viridulae, membranaceae, lineari-lanceolatae, circ. 7 mm longae, 2 mm latae, glabrae. Capitula staminata singulariter axillaria, 7–11 mm in diam.; pedunculus 3–10 mm longus, glaber; receptaculum suborbiculare, 4–7 mm in diam., glabrum, medio 2-lobatum; bracteae circ. 8, inaequales, 2 majores transversaliter oblongae, circ. 3 mm longae, 5 mm latae, dorso minute 1-cristatae vel breviter 1–2-costatae, ceterae minores, subquadratae, circ. 3 mm longae, 1–3.5 mm latae, dorso longitudinaliter 2–3-costatae, glabrae, apice secus marginem atratae, in aliquot capitulis staminatis bracteae 4 prope sinus loborum receptaculi dorso 1-costatae, costis apice in cornua viridia 2 mm longa projectis; bracteolae numerosae, densissimae, membranaceae, semihyalinae, albae, exteriores magnae late obovatae, circ. 3 mm longae, 1.2 mm latae, apice erosiunculae, interiores minores, lineares, circ. 2 mm longae, 0.3 mm latae, apice erosiunculae, subglabrae. Alabastra staminata late obovoidea, circ. 1.8 mm longa, glabra, apice cuspidata. Capitula pistillata ignota.

多年生草本。茎高约 35 cm，基部粗 3 mm，无毛，不分枝，约有 10 叶。叶具短柄或无柄；叶片纸质，斜椭圆形或斜狭倒卵形，长 6~17 cm，宽 2~7 cm，顶端尾状渐尖或渐尖（尖头每侧有 2~3 小齿），基部斜楔形或宽侧圆形，边缘具牙齿，上面疏被短糙伏毛，下面无毛，羽状脉，侧脉 4~7 对，上面平，下面隆起，钟乳体在一些叶不明显，稀疏，杆状，长 0.1~0.3 mm，在另一些叶则明显，极密，杆状或点状，长 0.1~0.15 mm；叶柄长达 5 mm，无毛；托叶淡绿色，膜质，条状披针形，长约 7 mm，宽 2 mm，无毛。雄头状花序单生叶腋，直径 7~11 mm；花序梗长 3~10 mm，无毛；花序托近圆形，直径 4~7 mm，无毛，中部 2 浅裂；苞片约 8，不等大，较大的 2 枚横长圆形，长约 3 mm，宽 5 mm，背面有 1 小鸡冠状突起或 1~2 条短肋，其他 6 枚较小，近方形，长约 3 mm，宽 1~3.5 mm，

背面有 3~5 条纵肋, 无毛, 顶端边缘呈黑色, 在另一些雄花序的花序托的裂片弯缺的 4 枚苞片背面有 1 条纵肋, 肋顶端突出成长 2 mm 的绿色角状突起; 小苞片多数, 极密, 膜质, 半透明, 白色, 外方的小苞片大, 宽倒卵形, 长约 3 mm, 宽 1.2 mm, 顶端啮蚀状, 内方的小苞片较小, 条形, 长约 2 mm, 宽 0.3 mm, 顶端啮蚀状, 近无毛。雄花蕾宽倒卵球形, 长约 1.8 mm, 无毛, 顶端骤尖。雌头状花序未见。花期 7 月。

云南 (Yunnan): 漾濞 (Yangbi), 平坡 (Ping-

po), 马尾水 (Maweishui), 海拔 2 000 m, 林下 (under forest), 花粉色 (fls. pinkish), 2009-07-14, 金效华, 刘冰等 (X. H. Jin, Bing Liu *et al.*) 1258 (holotype, PE)。

本种可能与隆林楼梯草 *E. pseudobrachydontum* W. T. Wang 有亲缘关系, 但后者叶的顶端尖头全缘, 托叶有短缘毛, 雄花序梗较短, 长 3 mm, 雄苞片无任何突起, 小苞片条形, 不呈倒卵形, 顶端有短柔毛, 而与本种不同。(王文采, 1995)

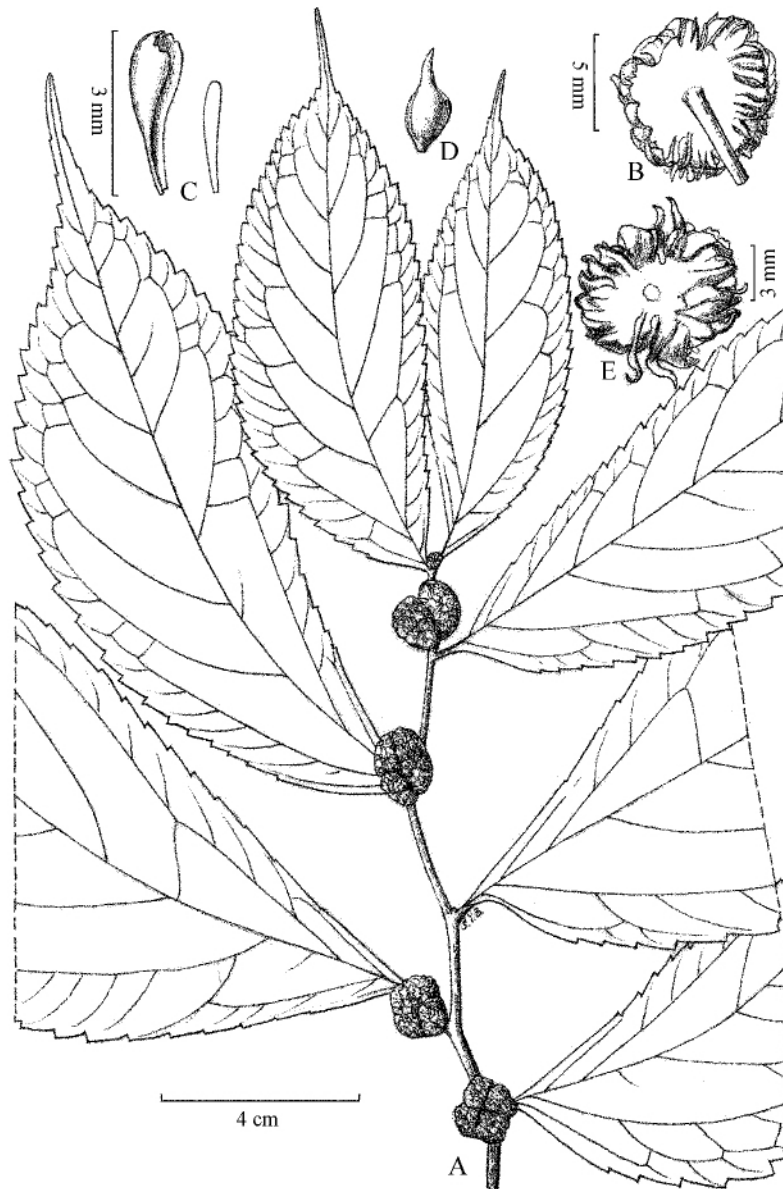


图 4 异晶楼梯草 A. 开花茎上部, B. 雄头状花序, C. 小苞片, D. 雄花蕾, E. 雄头状花序

Fig. 4 *Elatostema heterogrammicum* A. upper part of flowering stem, B. staminate capitulum, C. bracteoles, D. staminate flower bud (from holotype), E. staminate capitulum. (from isotype)

2.3 疏毛楼梯草系 Ser. *Albopilosa* W. T. Wang

福贡楼梯草 图2: A-E

Elatostema fugongense W. T. Wang, sp. nov.

Species nova haec est affinis *E. wenzianensi* W.

T. Wang, quod foliorum laminis minoribus usque ad 11.5 cm longis et ad 3.5 cm latis supra strigulosis subtus puberulis, stipulis minoribus subulatis 2–2.8 mm longis, pedunculo staminato longiore 14–18 mm longo, bracteis paucioribus tantum 6 dorso nec costatis nec corniculatis facile recedit.

Herba perennis. Caulis circ. 1 m altus (e collectoribus), superne circ. 3 mm crassus, glaber. Folia breviter petiolata, glabra; laminae papyraceae, 10–19.5 cm longae, 3–6.5 mm latae, apice acuminatae vel cuspidatae, cuspidibus 5–10 mm longis integris, basi oblique cuneatae, margine denticulatae, penninerves, nervis lateralibus circ. 6-jugis utrinque planis, cystolithis conspicuis vel obscuris densiusculis bacilliformibus 0.1–0.4 mm longis; petioli 3–4.5 mm longi; stipulae membranaceae, lanceolato-oblongae, 1.8–2.5 cm longae, 4–6 mm latae, brunneolae, secus costam mediam viridisuffusae. Capitula staminata singulariter axillaria; pedunculus complanatus, linearis, circ. 12 mm longus, 2 mm latus, glaber; receptaculum longe ellipticum, circ. 14 mm longum, 6 mm latum, glabrum; bracteae 2-seriatae, deltoideae, glabrae, eae exteriores circ. 5, 1.5–2.2 mm longae, 3–5 mm latae, dorso 1-costatae, costis apice in cornua brevia crassa 0.6–2 mm longa projectis, eae interiores circ. 10, minores, 1.5–1.8 mm longae, 2 mm latae, apice breviter carasseque corniculatae, cornibus 0.6–1.2 mm longis; bracteolae densae, circ. 2 mm longae, semihyalinae, vel naviculares, 1 mm latae, prope apicem brevissime ciliolatae, vel planae, 0.3 mm latae, glabrae. Flos staminatus: pedicellus circ. 2.2 mm longus, glaber; tepala 4, late oblonga, circ. 2 mm longa, 1 mm lata, basi connata, apice rotundata, ciliolata; stamina 4; pistillodium 0.25 mm longum, apice furcatum.

多年生草本。茎高约1 m，上部粗约3 mm，无毛。叶具短柄，无毛；叶片纸质，斜长圆形，

长10~19.5 cm，宽3~6.5 cm，顶端渐尖或骤尖（尖头长5~10 mm，全缘），基部斜楔形，边缘具小牙齿，羽状脉，侧脉约6对，两面平，钟乳体明显或不明显，稍密，杆状，长0.1~0.4 mm；叶柄长3~4.5 mm；托叶膜质，披针状长圆形，长1.8~2.5 cm，宽4~6 mm，淡褐色，沿纤细中脉带绿色。雄头状花序单生叶腋；花序梗扁平，条形，长约12 mm，宽约2 mm，无毛；花序托长椭圆形，长约14 mm，宽6 mm，无毛；苞片2层，正三角形，无毛，外层苞片约5枚，长1.5~2.2 mm，宽3~5 mm，背面有1条纵肋，肋顶端突出成长0.6~2 mm的短而粗的角状突起，内层苞片约10，较小，长1.5~1.8 mm，宽约2 mm，顶端有长0.6~1.2 mm的短而粗的角状突起；小苞片密集，长约2 mm，半透明，或为船型，宽1 mm，近顶端有极短缘毛，或平，条形，宽0.3 mm，无毛。雄花：花梗长2.2 mm，无毛；花被片4，宽长圆形，长约2 mm，宽1 mm，基部合生，顶端圆形，被极短缘毛；雄蕊4；退化雌蕊长0.25 mm，顶端分叉。

云南 (Yunnan): 福贡 (Fugong), 鹿马登 (Lumadeng), 碧罗雪山西坡 (western slope of Biluo Snow Range), alt. 2 200 m, 山谷沟边 (by stream in valley), 1982-05-28, 青藏队 (Qinghai-Xizhang Exped.) 6958 (holotype, PE).

本种与文县楼梯草 *E. wenzianense* W. T. Wang 近缘，但本种的叶片较大，长达19.5 cm，宽达6.5 cm，无毛，托叶较大，披针状长圆形，长达2.5 cm，雄花序梗较短，长12 mm，雄苞片较多，约15枚，背面具纵肋，顶端有短而粗的角状突起而与后者区别。在文县楼梯草，叶片较小，长达11.5 cm，宽达3.5 mm，上面被短糙伏毛，下面被短柔毛，托叶较小，钻形，长2~2.8 mm，雄花序梗较长，长14~18 mm，雄苞片较少，6枚，不具肋，也不具角状突起。(王文采, 1995)

致谢 蒙孙英宝先生为本文绘图。

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