

广西苦苣苔科新植物

方鼎 覃德海

曾玲

(广西中医药研究所, 南宁 530022) (广西自然博物馆, 南宁 530012)

NEW PLANTS OF GESNERIACEAE FROM GUANGXI OF CHINA

FANG DING QIN DE-HAI

ZENG LING

(Guangxi Institute of Traditional Medical &
Pharmaceutical Sciences, Nanning 530022)

(Guangxi Museum of Natural History,
Nanning 530012)

Abstract Four new species of Gesneriaceae from Guangxi of China are described and illustrated. They are *Lagarosolen integrifolius*, D. Fang et L. Zeng *Chirita wentsaii* D. Fang et L. Zeng, *C. cyrtocarpa* D. Fang et L. Zeng and *Chiritopsis glandulosa* D. Fang, L. Zeng et D. H. Qin.

Key words Gesneriaceae; *Lagarosolen integrifolius*; *Chirita wentsaii*; *C. cyrtocarpa*; *Chiritopsis glandulosa*

关键词 苦苣苔科; 全缘叶细筒苣苔; 文采唇柱苣苔; 弯果唇柱苣苔; 紫腺小花苣苔

1. 全缘叶细筒苣苔 新种 图 1: 1—4

Lagarosolen integrifolius D. Fang et L. Zeng, sp. nov.

Affinis *L. hispido* W. T. Wang, sed lamina margine integra; bracteae minoribus 3—8 mm longis; bracteolis saepe deficientibus; corollae lobis lanceolatis intus basi 3-atropurpureo-striatis et sparse glanduloso-puberulis, tubo brevioribus 15—16 mm longo differt.

Herba perennis. Rhizoma subteres, 1.5—4.5 cm longum, 4—6 mm diam. Folia c. 4—14 apicem versus rhizomatis decussata, omnino basalia; lamina ovata, late ovata, subrotundata vel subcordata, 3—13 cm longa, 2—10.5 cm lata, herbacea, aequilatera vel interdum paulo inaequilatera, basi subrotundata vel leviter cordata, apice obtusa vel rotundata, margine integra raro inconspicue undulata, ciliata, utrinque adpresse albo-pubescentibus, subtus ad nervos pilis densioribus, nervis lateralibus utrinsecus 4—7; petioli 2—8.5 cm longi,

interdum purpurascentes, cum pedunculis et pedicellis dense patentisque albo-pubescentes. Cymae 1 — 2 axillares, semel ad ter ramosae, (1 —) 4 — 17-florae; pedunculi c. 3 — 6 cm longi, purpurascentes vel virides; bractee 2 oppositae, oblongae vel lanceolatae, c. 3 — 8 mm longae, 1 — 3.5 mm latae, integrae,

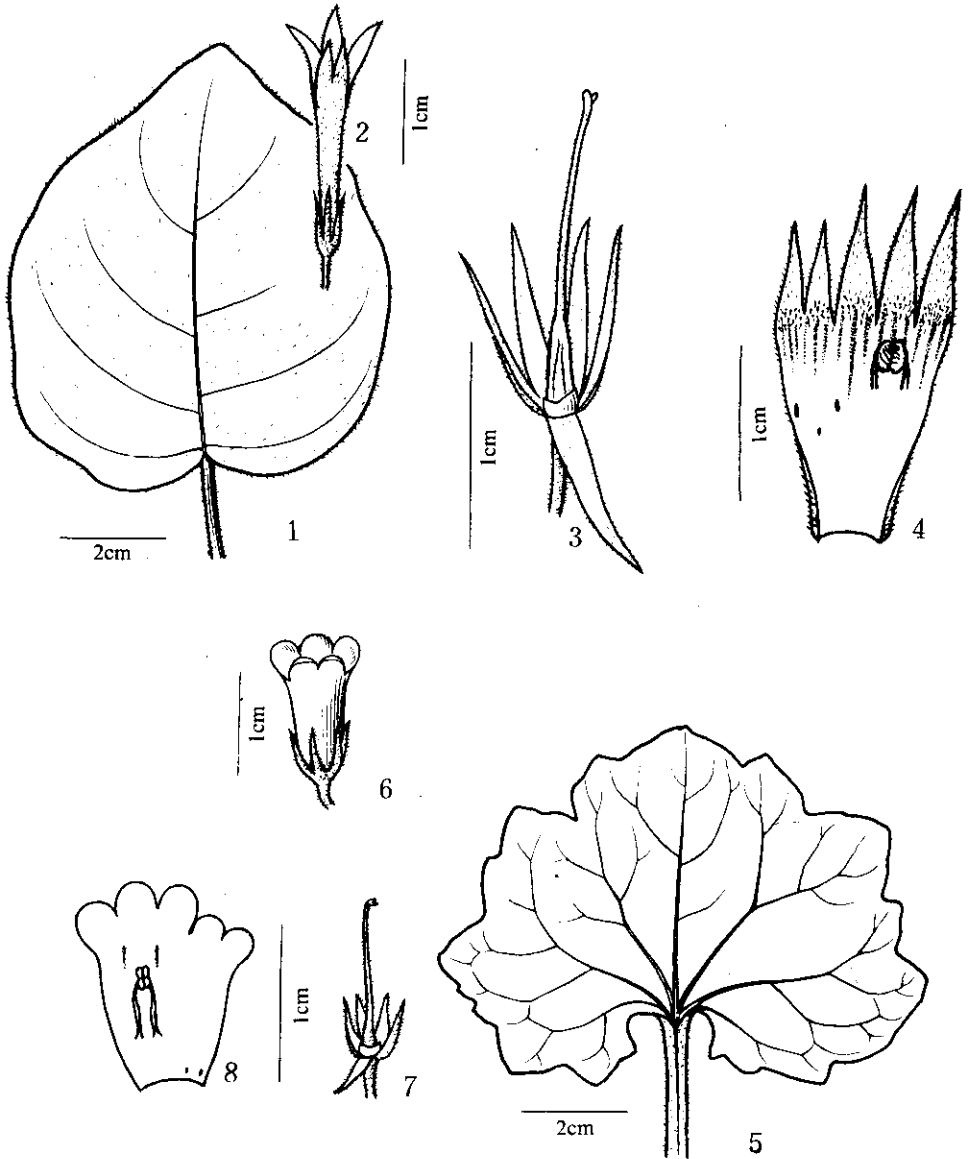


图1 1—4. 全缘叶细筒藓苔; 5—8. 紫腺小花藓苔 1, 5. 叶; 2, 6. 花; 3, 7. 花萼及雌蕊; 4, 8. 花冠展开。

Fig. 1 1—4. *Lagarosolen integrifolius*; 5—8. *Chiritopsis glandulosa* 1, 5. leaf; 2, 6. flower; 3, 7. calyx and pistil; 4, 8. corolla dissected.

albo-pubescentes; bracteolae rarissime oppositae, oblongae c. 1.5 — 2 mm longae, pubescentes vel deficientes; pedicelli c. 7 mm longi, interdum raro glanduloso-pubescentes. Calyx (4—)7—11 mm longus, ad basin 5-sectus, segmentis anguste lanceolato-linearibus c. 1—1.5 mm latis extus patenter albo-pubescentibus intus puberulis basi subglabris. Corolla purpurea, 2.5—2.7 cm longa, extus albo-pubescentis et rarissime glanduloso-puberula basi glabrata, tubo tenuiter cylindrico c. 15—16 mm longo in medio c. 2 mm diam. intus glabro ore c. 4 mm diam., labio postico c. 9 mm longo 2-partito, lobis 2—2.5 mm latis, lobio antico 12 mm longo 3-partito, lobis 2.5—3 mm latis omnino lanceolatis intus basi 3-atropurpureo-striatis et sparse glanduloso-puberulis. Stamina 2, 12 mm supra corollae basin inserta, filamentis rectis 3 mm longis puberulis et glanduloso-puberulis, antheris dorsifixis albis subreniformibus 2 mm longis cohaerentibus loculis divaricatis apice confluentibus. Staminodia 3, 10 mm supra corollae basin inserta, glabra, lateralia duo c. 1.5 mm longa, id medianum c. 0.5 mm longum. Discus annularis, c. 1 mm altus, margine leviter undulatus. Pistillum c. 16 mm longum, ovario c. 5 mm longo 1 mm diam. patenter albo-puberulo, stylo c. 11 mm longo patenter albo-glanduloso-puberulo puberuloque, stigmatibus 2 late ovatis c. 0.5 mm longis aequimagnis. Capsula 9—15 mm longa, in valvas 4 lineares c. 1 mm latis dehiscens.

Guangxi (广西): Longzhou (龙州), Jinlong (金龙), Banbi (板闭), on limestone hills, alt. 530 m, 1990. 05. 17, Fang Ding, Zeng Ling and Zhong Xiaming (方鼎、曾玲和钟夏明) 80178; ibidem, Zeng Ling and Bi Yongde (曾玲和闭永德) 0131; ibidem, 1991. 06. 08, Zeng Ling 1262 (Holotype, GXMI; isotype, GXMN*).

多年生草本。根状茎近圆柱形, 长 1.5—4.5 cm, 粗 4—6 mm。叶约 4—14 枚, 在根状茎顶端十字形交互对生, 均基着; 叶片卵形、阔卵形、近圆形或近心形, 长 3—13 cm, 宽 2—10.5 cm, 草质, 两侧相等, 有时稍不相等, 基部近圆形或浅心形, 先端钝或圆, 全缘, 稍不明显的波状, 被睫毛, 两面被贴伏的白色短柔毛, 背面脉上较密, 侧脉每边 4—7 条; 叶柄长 2—8.5 cm, 有时带淡紫色, 和花序梗及花梗密被开展的白色短柔毛。聚伞花序 1—2 条腋生, 1—3 回分枝, 有花 (1—) 4—17 朵; 花序梗长约 3—6 cm, 带紫色或淡绿色; 苞片 2 枚, 对生, 长圆形或披针形, 长约 3—8 mm, 宽约 1—3.5 mm, 全缘, 被白色短柔毛; 小苞片无, 极稀对生, 长圆形, 长约 1.5—2 mm, 被短柔毛; 花梗长约 7 mm, 有时被稀少的腺状短柔毛。花萼长 (4—) 7—11 mm, 5 裂达基部, 裂片狭披针状线形, 宽 1—1.5 mm, 外被开展的白色短柔毛, 内被短柔毛, 基部近无毛。花冠紫色, 长 2.5—2.7 cm, 外被白色短柔毛和极少的腺状短柔毛, 基部变无毛; 筒细筒状, 长约 15—16 mm, 中部粗约 2 mm, 内面无毛; 口部粗约 4 mm; 上唇长 9 mm, 2 深裂, 裂片宽 2—2.5 mm, 下唇长 12 mm, 3 深裂, 裂片宽

*Guangxi Museum of Natural History.

2.5—3mm,全部披针形,内面基部具3条深紫色条纹和腺状短柔毛。雄蕊2枚,生于花冠基部之上12mm处;花丝直,长3mm,被短柔毛和腺状短柔毛;花药背着,白色,近肾形,长2mm,连着,药室极叉开,顶端汇通,无毛。退化雄蕊3枚,生于花冠基部之上10mm处,无毛,侧生的长约1.5mm,中间的长约0.5mm。花盘环状,高约1mm,边稍波状。雌蕊长约16mm;子房长约5mm,粗1mm,被开展的白色短柔毛;花柱长约11mm,被开展的白色腺状短柔毛和短柔毛;柱头2,阔卵形,长约0.5mm,等大。蒴果长9—15mm,果瓣4枚,线形,宽约1mm。花期6月。

本种接近细筒苣苔 *L. hispidus* W. T. Wang, 但叶片全缘;苞片较小,长3—8mm;小苞片常不存在;花冠裂片披针形,内面基部各有3条深紫色条纹和稀疏的腺状短柔毛,冠筒较短,长15—16mm。细筒苣苔的叶片边缘有波状浅锯齿;苞片大,长14—25mm;小苞片存在;花冠裂片狭三角形,内面无条纹和腺状短柔毛,冠筒长,长22mm。

2. 文采唇柱苣苔 新种 图2: 1—3

Chirita wentsaii D. Fang et L. Zeng, sp. nov.

Proxima C. ophiopogoidi D. Fang et W. T. Wang, sed cyma 2—3-flora; bracteis 30—35 mm longis; calyce 10—12 mm longo; corolla 4.5—5 cm longa, caeruleo-purpurea, extus sparse glanduloso-puberula, tubo campanulato, 3—3.5 cm longo; staminodiis 3, lateralibus duobus 9 mm longis; pistillo c. 2.6 cm longo differt.

Herba perennis. Rhizoma robustum, apice ramosum, ramis saepe verticillatis. Folia saepe 4 verticillata apicem versum rhizomatis, sessilia; lamina lanceolato-lineariter raro falcata, 4.5—9 cm longa, 4—15 mm lata, carnosa siccitate coriacea, apice acutiuscula vel obtusiuscula, margine revoluta remote spinuloso-denticulata, utrinque glabra, nervis obscuris. Cymae axillares, 2—3-florae; pedunculi 6—10 cm longi, cum pedicellis patenter pubescentes et glanduloso-pubescentes; bractea 2 oppositae, anguste lineares, 30—35 mm longae, 2—2.4 mm latae, utrinque patenter pubescentes et glanduloso-pubescentes; pedicelli 1—2 cm longi. Calyx 10—12 mm longus, ad basin 5-sectus, segmentis lineari-lanceolatis 2 mm latis extus pubescentibus et glanduloso-pubescentibus intus subglabris. Corolla caeruleo-purpurea, 4.5—5 cm longa, extus sparse glanduloso-puberula et puberula, intus glabra, tubo campanulato 3—3.5 cm longo ore c. 12 mm diam., labio postico c. 10 mm longo ad basin 2-secto intus sub medium 2 maculis flavis glanduloso-pubescentibus praedito, labio antico c. 15 mm longo 3-partito, lobis late ovatis c. 8—9 mm latis apice rotundatis margine ciliatulis. Stamina 2, 10 mm supra corollae basin inserta, filamentis c. 15 mm longis, leviter curvis inferne sparse glanduloso-puberulis, antheris anguste oblongis c. 3.5 mm longis glanduloso-pubescentibus. Staminodia 3, lateralibus duo 12 mm supra corollae basin inserta, 9 mm longa, inferne sparse glanduloso-puberula, apice

leviter dilatata, sparse glanduloso-pubescentia, medianum 4 mm supra corollae basin insertum, c. 0.8 mm longum. Discus annularis, 1.5 mm altus, margine undulatus. Pistillum c. 2.6 cm longum, dense patenter glanduloso-pubescentia et pubescens, ovario lineari c. 1.8 cm longo, stigmate 2 mm longo prope medium 2-lobato. Capsula ignota.

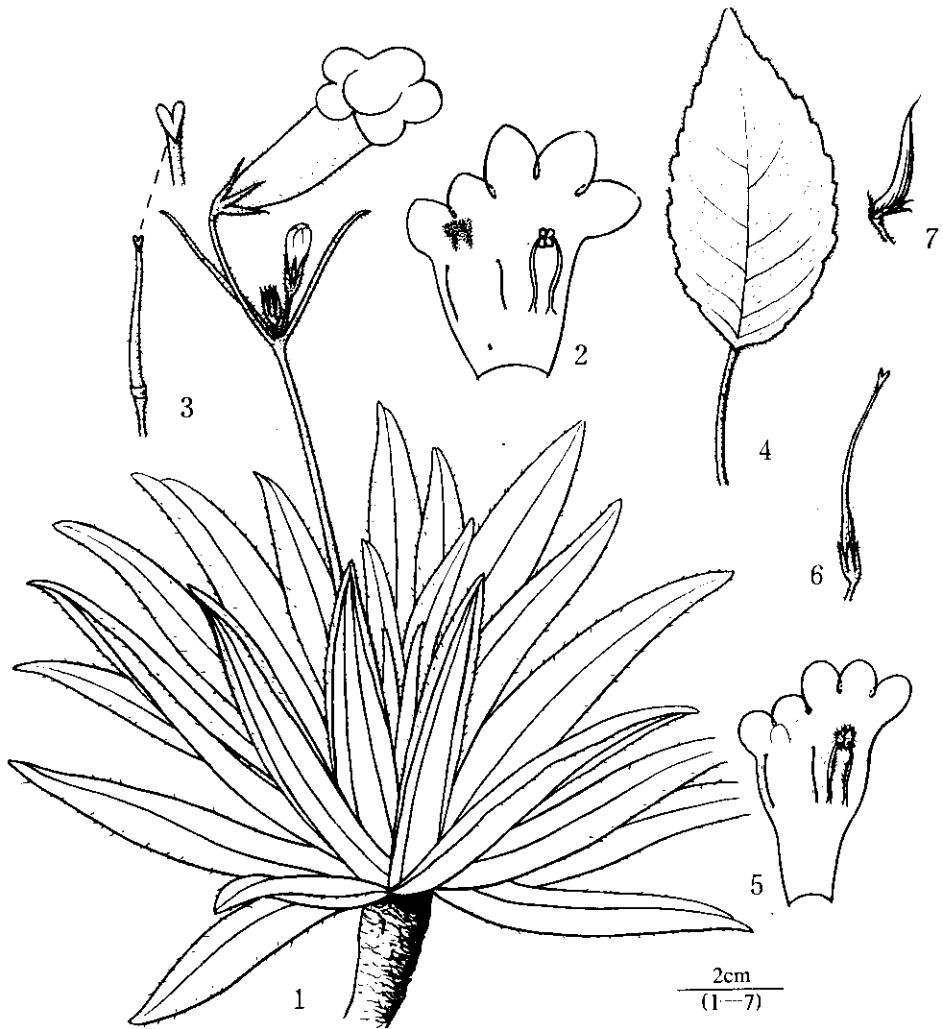


图 2 1—3. 文采唇柱苣苔 1. 植株; 2. 花冠展开; 3. 雌蕊。4—7. 弯果唇柱苣苔 4. 叶; 5. 花冠展开; 6. 花萼及雌蕊; 7. 蒴果。(廖信佩绘)

Fig. 2 1—3. *Chirita wentsaii* 1. plant; 2. corolla dissected; 3. pistil. 4—7. *C. cyrtocarpa* 4. leaf; 5. corolla dissected; 6. calyx and pistil; 7. capsule.

Guangxi (广西): Longzhou (龙州), Jinlong (金龙), alt. 360 m, 1990.05.17, Fang Ding and Zeng Ling (方鼎和曾玲)80192 (Holotype, GXMI).

多年生草本。根状茎粗壮，上部分枝；枝常轮生。叶在根状茎顶端通常4枚轮生，无柄；叶片披针状线形，稀镰状，长4.5—9cm，宽4—15mm，肉质，干时革质，先端微尖或稍钝，边缘背卷，具稀疏的刺状小齿，无毛，叶脉不明显。聚伞花序腋生，有花2—3朵；花序梗长6—10cm，连花梗被开展的短柔毛和腺状短柔毛；苞片2枚，对生，狭线形，长30—35mm，宽2—2.4mm，两面被开展的短柔毛和腺状短柔毛；花梗长1—2cm。花萼长10—12mm，5裂达基部，裂片线状披针形，宽2mm，外被短柔毛和腺状短柔毛，内面近无毛。花冠蓝紫色，长4.5—5cm，外面疏被腺状短柔毛和短柔毛，内面无毛；筒钟状，长3—3.5cm，口部直径约12mm；上唇长约10mm，2裂达基部，下有2枚黄色斑块，斑上被腺状短柔毛，下唇长约15mm，3深裂，裂片阔卵形，宽8—9mm，先端圆，被小睫毛。雄蕊2枚，生于花冠基部之上10mm处；花丝长约15mm，稍弯曲，下部疏被腺状短柔毛；花药狭长圆形，长约3.5mm，被腺状短柔毛。退化雄蕊3枚，侧生的2枚生于花冠基部之上12mm处，长9mm，下部疏被腺状短柔毛，先端稍变宽，疏被腺状短柔毛，中间1枚生于花冠基部之上4mm处，长约0.8mm。花盘环状，高约1.5mm，边缘波状。雌蕊长约2.6cm，密被开展的腺状短柔毛和短柔毛；子房线形，长约1.8cm；柱头长2mm，2裂近中部。蒴果未见。花期5月。

本种颇接近条叶唇柱苣苔 *C. ophiopogoides* D. Fang et W. T. Wang, 但聚伞花序有花2—3朵；苞片长30—35mm；花萼长10—12mm；花冠长4.5—5cm，蓝紫色，外面疏被腺状短柔毛，筒钟状，长3—3.5cm；退化雄蕊3枚，侧生的2枚长9mm；雌蕊长约2.6cm。条叶唇柱苣苔的聚伞花序有花5—7朵；苞片长9—15mm；花萼长4—5mm；花冠长2.5—2.6cm，淡紫色，外面无腺状短柔毛，筒细漏斗状，长约1.4cm；退化雄蕊2枚，长5mm；雌蕊长1.5cm。

3. 弯果唇柱苣苔 新种 图2: 4—7

Chirita cyrtocarpa D. Fang et L. Zeng, sp. nov.

Proxima *C. minutihamatae* Wood, sed lamina basi saepe peltatula; cyma bis ad quinquies ramosa, 2—11-flora; ovario biloculari, loculo uno tantum evoluto; Capsula leviter curva, 1.5—2 cm longa differt.

Herba perennis. Rhizoma elongatum repens, usque ad 112 cm longum, 7 mm diam., brunneolum. Caules carnosii 32—61 cm longi, cicatricibus suborbicularibus prominentibus dispositi, cum rhizomatibus, petiolis, pedunculis pedicellisque patenter glanduloso-villosi et puberuli. Folia c. 6—17, spiraliter alterna, petiolata; lamina anguste ovata vel elliptica raro late ovata, 3—15 cm longa, 1.5—6.5 cm lata, herbacea, apice acuminata, basi rotundata, cordata vel late cuneata, saepe peltatula, leviter inaequilateralis, margine serrata, utrinque sparse villosa et puberula, subtus ad nervos densior, nervis lateralibus utrinsecus (4—)5—7 subtus prominentibus; petioli carnosii, 1—11 cm longi. Cymae 1—4,

axillares, bis ad quinquies ramosae, 2 — 11-florae; pedunculi carnosii, 5.5 — 11cm longi; bractae saepe 2 oppositae, ovatae, lanceolatae vel longe ellipticae, 6 — 14 mm longae, 1 — 4 mm latae, leviter purpurascens, 3-nerves, dorso glanduloso-villosae et puberulae; pedicelli carnosii, 1.5 — 8 mm longi. Calyx 5 — 8 mm longus, purpurascens, ad basin 5-sectus, segmentis oblongis 1 — 2 mm latis apice obtusis 3-nervibus extus patenter glanduloso-villosis et puberulis. Corolla atropurpurea, 3.3 — 5.5 cm longa, extus glanduloso-pubescentia et sparse pubescens, tubo tenuiter infundibuliformi c. 3 cm longo intus superne sparse villosa infra labium posticum obverse U-formiter glanduloso-puberulo-plicato ore 13 mm diam., labio postico c. 4 — 6 mm longo ad basin 2-secto, eo antico c. 10 — 15 mm longo 3-fido, lobis subsemiorbicularibus 6 — 10 mm latis. Stamina 2, 15 — 20 mm supra corollae basin inserta, filamentis c. 10 mm longis glanduloso-puberulis superne intus dense albo-barbatis in medio latioribus leviter curvis, antheris oblongis c. 3.5 mm longis dense albo-lanatis. Staminodia 2, 14 — 19 mm supra corollae basin inserta, c. 7 — 10 mm longa, sparse glanduloso-pubescentia, apice dilatata, lanata. Discus annularis, c. 0.5 mm altus, margine 5-crenatus, pistillum c. 3 — 4 cm longum, ovario 7 — 9 mm longo 1.5 mm diam. dense glanduloso-puberulo biloculari loculo uno tantum evoluto, stylo 2 — 2.6 cm longo sparse glanduloso-puberulo, stigmatibus 4.5 mm longo 2-lobato. Capsula lineari-lanceolata, 1.5 — 2 cm longa, basi 2 — 3 mm diam., leviter curva, glanduloso-pubescentia.

Guangxi (广西): Hexian (贺县), Daguishan Tree Farm (大桂山林场), Beilou (北娄), alt. 170 m, 1989. 10, 16, Fang Ding, Gao Chengzhi and Yan Ke-jian (方鼎、高成芝和严克俭) 80899; ibidem Guabang (挂榜), alt. 130 — 140 m, 1990.08.14, Fang Ding, Zeng Ling and Zhou Lishuang (方鼎、曾玲和周丽双) 81138; ibidem alt. 130 — 240 m, 1991. 06. 16, Zhou Lishuang and Zeng Ling (周丽双和曾玲) 1278, 1263 (Holotype, GXMI; isotype, GXMN).

多年生草本。根状茎匍匐，长达112cm，粗达7mm，浅褐色。茎肉质，长32—61cm，具近圆形突起的叶痕，连根状茎、叶柄、花序梗和花梗被开展的腺状柔毛和短柔毛。叶6—17枚，螺旋状互生，具柄；叶片狭卵形或椭圆形，稀阔卵形，长3—15cm，宽1.5—6.5cm，草质，先端渐尖，基部圆形、心形或宽楔形，通常浅盾状，两侧常不对称，边缘有锯齿，两面疏被长柔毛和短柔毛，下面脉上较密，侧脉每边(4—)5—7条，下面突起；叶柄肉质，长1—11cm。聚伞花序1—4条，腋生，2—5回分枝，有花2—11朵；花序梗肉质，长5.5—11cm；苞片通常2枚，对生，卵形、披针形或长椭圆形，长6—14mm，宽1—4mm，稍带紫色，具3脉，背面被腺状柔毛和短柔毛；花梗肉质，长1.5—8mm。花萼长5—8mm，带紫色，5裂达基部，裂片长圆形，宽1—2mm，先端钝，具3脉，外被开展的腺状柔毛和短柔毛。花冠暗紫色，长3.3—5.5cm，

外被腺状短柔毛和稀疏的短柔毛;筒细漏斗状,长约3cm,内面上部疏被长柔毛,上唇之下有一倒“U”字型皱褶,褶上被腺状短柔毛,口部粗13mm;上唇长约4—6mm,2裂达基部,下唇长约10—15mm,3中裂,裂片近半圆形,宽6—10mm。雄蕊2枚,生于花冠基部之上15—20mm处;花丝长约10mm,被腺状短柔毛,上部内侧密被白色髯毛,中部较宽,稍弯曲;花药长圆形,长约3.5mm,密被白色绵毛。退化雄蕊2枚,生于花冠基部之上14—19mm处,长约7—10mm,疏被腺状短柔毛,先端变粗,被绵毛。花盘环状,高约0.5mm,边缘具5齿。雌蕊长约3—4cm;子房长7—9mm,粗1.5mm,密被腺状短柔毛,2室,仅1室发育;花柱长2—2.6cm,疏被腺状短柔毛;柱头长4.5mm,2浅裂。蒴果线状披针形,长1.5—2cm,基部粗2—3mm,稍弯曲,被腺状短柔毛。花期6月,果期7—8月。

本种颇接近多痕唇柱苣苔 *C. minutihamata* Wood, 但叶片基部常为浅盾形;聚伞花序2—5回分枝,有花2—11朵;子房2室,仅1室发育;蒴果长1.5—2cm,稍弯曲。多痕唇柱苣苔的聚伞花序通常1回分枝,有花1—5朵;子房1室;蒴果长2.5—3.6cm,近于直生。

4. 紫腺小花苣苔 新种 图1:5—8

Chiritopsis glandulosa D. Fang, L. Zeng et D. H. Qin, sp. nov.

Affinis *C. lobulatae* W. T. Wang, sed laminis majoribus, usque ad 12 cm longis, 16.3 cm latis, saepe reniformibus, cum petiolis, pedunculis, pedicellis, bracteis calycibusque glanduloso-pubescentibus et purpureo-glandulosis; corollis 11—13mm longis; staminibus et discis piliferis differt.

Herba perennis. Rhizoma teres, 1.5—7 cm longum, usque ad 2 cm diam. Folia 8—16, basalia, longe petiolata; lamina reniformis raro orbiculari-cordata, 3—12 cm longa, 3—16.3 cm lata, herbacea, siccitate brunnescens, apice late rotundata vel obtusa, basi cordata, interdum inaequalis, margine 8—16-lobata, lobis late ovatis vel ovatis, utrinque glanduloso-pubescentibus et purpureo-glandulosis, nervis lateralibus utrinsecus 3—5 supra planis subtus prominentibus; petioli carnosii, 7—33 cm longi, basi leviter latiores, cum pedunculis pedicellisque glanduloso-pubescentibus et purpureo-glandulosis. Cymae axillares, bis ad ter ramosae, 7-multi florum; pedunculi carnosii, 7—18 cm longi; bracteae 2 oppositae, foliiformes, obovatae, oblongae vel anguste lanceolatae, 4—18 mm longae, 2—15 mm latae, margine serratae vel integrae, cum calycibus glanduloso-pubescentibus et purpureo-glandulosis; pedicelli 1.5—6mm longi. Calyx 3—8 mm longus, ad basin (4—)5-sectus segmentis lanceolatis 1.3—2 mm latis. Corolla alba, 11—13 mm longa, extus praeter basin glabram cetero glanduloso-puberula et puberula, tubo crasse tubulari 7—8 mm longo leviter purpurascenti intus sparse pubescenti ore 4—5 mm diam., limbo bilabiato intus glanduloso-puberulo et puberulo, labio postico 1.5 mm longo ad basin 2-secto, lobis 2.5 mm latis, eo antico 3—4 mm longo (2—)3-fido,

lobis 2—2.5 mm latis, intus inter eos purpurello-striatis. Stamina (1—)2, 2.5 mm supra corollae basin inserta, filamentis 3.5—4 mm longis inferne sparse pubescentibus, antheris dorsi fixis cohaerentibus loculis divaricatis apice confluentibus 1.5 mm longis connectivis puberulis. Staminodia (2—)3 raro nulla, 0.6 mm supra corollae basin inserta, 0.5 mm longa. Discus annularis, 0.7 mm altus, glanduloso-puberulus. Pistillum 10 mm longum, ovario ovoideo c. 2.5 mm longo 1 mm diam. eo dense stylo sparse glanduloso-puberulo, stigmatibus uno c. 0.6 mm longo 2-lobato. Capsula longe ovoidea, 3—5 mm longa, 1.5 mm diam., glanduloso-puberula, calyce persistente cincta.

Guangxi (广西): Pingle (平乐), Qinglong (青龙), alt. 200—250 m, on limestone hills, Qin Dehai (覃德海)48642, Zeng Ling (曾玲)1210b, ibidem, 1991. 06. 18, Zhou Lishuang and Zeng Ling (周丽双和曾玲)1297 (Holotype, GXMI; isotype, GXMN).

多年生草本。根状茎圆柱形, 长 1.5—7 cm, 粗达 2 cm。叶 8—16 枚, 基生, 具长柄; 叶片肾形或心状圆形, 长 3—12 cm, 宽 3—16.3 cm, 草质, 干时变褐色, 先端宽圆形或钝, 基部心形, 有时不对称, 边缘 8—16 浅裂, 裂片宽卵形或卵形, 两面被腺状短柔毛和紫色疣状腺鳞, 侧脉每边 3—5 条, 上面平坦, 下面突起; 叶柄肉质, 长 7—33 cm, 基部稍宽, 和花序梗、花梗被腺状短柔毛和紫色疣状腺鳞。聚伞花序腋生, 2—3 回分枝, 有花 7 至多朵; 花序梗肉质, 长 7—18 cm; 苞片 2 枚, 对生, 叶状, 倒卵形、长圆形或狭披针形, 长 4—18 mm, 宽 2—15 mm, 边有齿或全缘, 连花萼被腺状短柔毛和紫色疣状腺鳞; 花梗长 1.5—6 mm。花萼长 3—8 mm, (4—)5 裂达基部, 裂片披针形, 宽 1.3—2 mm。花冠白色, 长 11—13 mm, 外面除基部无毛外, 其余被腺状短柔毛和短柔毛; 筒粗筒状, 长 7—8 mm; 稍带紫色, 内面疏被短柔毛, 口部直径 4—5 mm; 檐部二唇形, 内面被腺状短柔毛和短柔毛, 上唇长 1.5 mm, 2 裂达基部, 裂片宽 2.5 mm, 下唇长 3—4 mm, (2—)3 中裂, 裂片宽 2—2.5 mm, 内面之间各有一条淡紫色条纹。雄蕊 (1—)2 枚, 生于花冠基部之上 2.5 mm 处; 花丝长 3.5—4 mm, 下部疏被短柔毛; 花药背着, 药室极叉开, 连着, 顶端汇合, 长 1.5 mm, 药隔被短柔毛。退化雄蕊 (2—)3 枚, 稀不存在, 生于花冠基部之上 0.6 mm 处, 长约 0.5 mm。花盘环状, 高约 0.7 mm, 被腺状短柔毛。雌蕊长 10 mm; 子房卵球形, 长约 2.5 mm, 粗 1 mm, 子房密被花柱疏被腺状短柔毛; 柱头 1, 长约 0.6 mm, 2 浅裂。蒴果长卵球形, 长 3—5 mm, 粗 1.5 mm, 被腺状短柔毛, 具宿萼。花期 6 月。

本种接近浅裂小花苣苔 *C. lobulata* W. T. Wang, 但叶片大, 长达 12 cm, 宽达 16.3 cm, 常为肾形, 连叶柄、花序梗、花梗、苞片和花萼被腺状短柔毛和紫色疣状腺鳞; 花冠长 11—13 mm; 雄蕊和花盘有毛。浅裂小花苣苔的叶片小, 长达 3 cm, 宽达 3.8 cm, 心状圆形或心形, 植株无腺状短柔毛和紫色疣状腺鳞; 花冠长约 7.8 mm; 雄蕊和花盘无毛。