

广西蜘蛛抱蛋属三新种

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Three new species of *Aspidistra* Ker-Gawl. (Liliaceae) from Guangxi, China

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关键词 蜘蛛抱蛋属; 帽状蜘蛛抱蛋; 忻城蜘蛛抱蛋; 歪盾蜘蛛抱蛋; 新种; 广西; 中国

1 帽状蜘蛛抱蛋 新种 图 1: 5~6

Aspidistra pileata D. Fang et L. Y. Yu, sp. nov. Fig. 1: 5~6

Habitu *A. oblongifoliae* F. T. Wang et K. Y. Lang affinis, sed perianthio majore extus graciliter costato, tubo 11 mm diam., lobis 7~10 mm longis 4~5.5 mm latis, antheris reniformibus, stigmatibus peltato-dilatato 7 mm diam. supra ad centrum convexo margine 3-lobato recedit. Stigmatibus similis *A. urceolatae* F. T. Wang et K. Y. Lang, quae foliis 2~3 fasciculatis, perianthio urceolato 6 mm longo, lobis triangularibus 1 mm longis, stigmatibus 1.5 mm diam. differt.

Rhizoma repens teres, 2.5~5 mm diam., nodosum et squamatum. Folia solitaria, inter se 1.5~3 cm distantia; laminae anguste ovato-ellipticae vel anguste ovato-lanceolatae, 12~20.3 cm longae, 4.4~6.2 cm latae, apice acuminatae vel longe acuminatae, basi obtusae, margine supra medium inconspicue serrulatae, utrinsecus asymmetricae; petioli 4~21.5 cm longi. Pedunculus 18 mm longus, erectus, 3-bracteatus; bractea summa late ovata 11 mm longa 8 mm lata apice acuta, inferna latissime obovata 7~8 mm diam. apice rotunda, media late ovata vel latissime obovata. Flos unicus erectus, atropurpureus; perianthium 21 mm longum, extus gracile ca. 16-costatum, tubo late campanulato 11 mm diam. apice 6-lobato, lobis suboblongis 7~10 mm longis 4~5.5 mm latis reflexis 5~7-nerviis apice obtusis. Stamina 6, in parte tertia infero tubi affixa, stigmatibus conspicue inferiora, antheris reniformibus 1 mm longis fere estipitatis. Pistillum 9.5 mm longum, ovario subinflato, stylo 8 mm longo inferne articulado, stigmatibus peltato-dilatato pileato 5 mm alto 7 mm diam. supra ad centrum conspicue convexo et obtuso margine 3-lobato, lobis apice rotundis. Bacca non visa.

China. Guangxi (广西): Lingyun (凌云), Sicheng (泗城), Xixiu (西秀), limestone hill, in forests, 1984-12-07, X. H. Lu *et al.* (陆小鸿等) 0317 (holotype, here designated, GXMI).

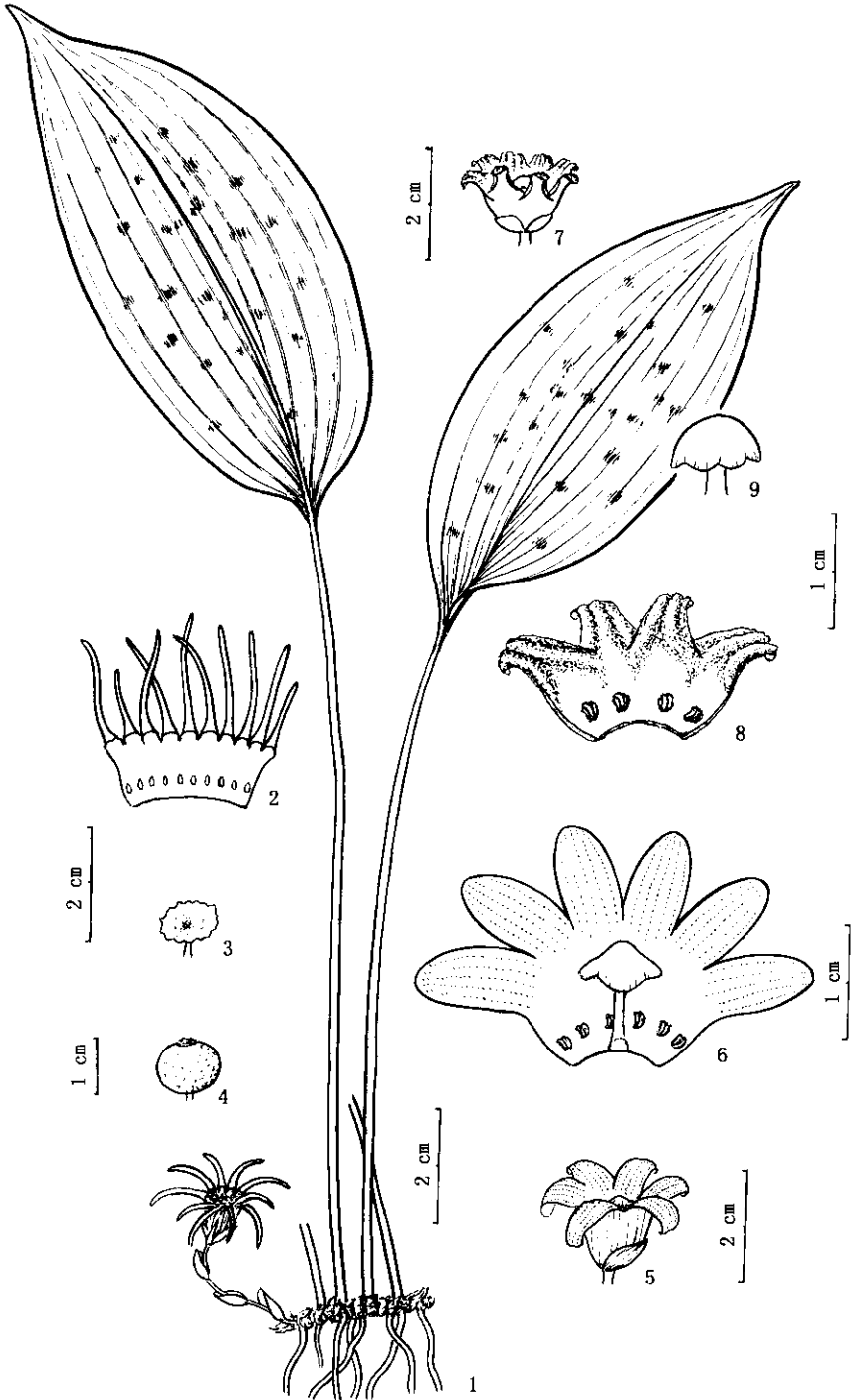


图1 1~4. 盾形蜘蛛抱蛋 1. 带花植株; 2. 花被展开; 3. 柱头; 4. 果实。5~6. 帽状蜘蛛抱蛋 5. 花和苞片; 6. 花被展开。7~9. 忻城蜘蛛抱蛋 7. 花和苞片; 8. 花被纵剖面; 9. 柱头。(廖信佩 绘)

Fig. 1 1~4. *Aspidistra obliquipeltata* D. Fang et L. Y. Yu 1. Flowering plant; 2. Perianth opened; 3. Stigma; 4. Fruit. 5~6. *A. pileata* D. Fang et L. Y. Yu 5. Flower and bract; 6. Perianth opened. 7~9. *A. alternativa* D. Fang et L. Y. Yu 7. Flower and bracts; 8. Vertical section of perianth; 9. Stigma.

根状茎匍匐, 圆柱状, 直径 2.5~5 mm, 具节和鳞片。叶单生, 彼此相距 1.5~3 cm; 叶片狭卵状椭圆形至狭卵状披针形, 长 12~20.3 cm, 宽 4.4~6.2 cm, 先端渐尖至长渐尖, 基部钝, 边缘上部有不明显的小锯齿, 两侧不对称; 叶柄长 4~21.5 cm。总花梗长 18 mm, 直立, 具 3 枚苞片; 顶部的苞片 1 枚, 宽卵形, 长 11 mm, 宽 8 mm, 先端急尖; 下部的苞片极宽的倒卵形, 直径 7~8 mm, 先端圆形; 中部的苞片宽卵形或极宽的倒卵形。花单生, 直立, 暗紫色; 花被长 21 mm, 外面有约 16 条细纵肋; 筒部宽钟状, 直径 11 mm, 先端 6 浅裂; 裂片近长圆形, 长 7~10 mm, 宽 4~5.5 mm, 反折, 具 5~7 脉, 先端钝。雄蕊 6, 贴生于花被筒下部 1/3 处, 明显低于柱头; 花药肾形, 长 1 mm, 几乎无柄。雌蕊长 9.5 mm; 子房稍膨大; 花柱长 8 mm, 下部具关节; 柱头盾形膨大, 帽状, 高 5 mm, 直径 7 mm, 上面中央明显凸起而钝, 边缘 3 浅裂, 裂片先端圆形。浆果未见。

本种外形与长圆叶蜘蛛抱蛋 *A. oblongifolia* F. T. Wang et K. Y. Lang 接近, 但花被较大, 外面具细纵肋, 筒部直径 11 mm, 裂片长 7~10 mm, 宽 4~5.5 mm; 花药肾形; 柱头盾状膨大, 直径 7 mm, 上面中央凸起, 边缘 3 浅裂。柱头近似坛花蜘蛛抱蛋 *A. urceolata* F. T. Wang et K. Y. Lang, 而后者叶 2~3 枚簇生; 花被坛状, 长 6 mm, 裂片三角形, 长 1 mm, 柱头直径 1.5 mm。

2 忻城蜘蛛抱蛋 新种 图 1: 7~9

Aspidistra alternativa D. Fang et L. Y. Yu, sp. nov. Fig. 1: 7~9

Stigmate *A. fungilliformi* Y. Wan proxima, sed perianthio brevior 12 mm longo, tubo multo brevior 6 mm longo apice 8-fido, lobis late ovatis basi conspicue alternativis utrinsecus revolutis intus dense mamillatis et longistrorsum 2~3-carinatis, antheris fere sessilibus differt.

Rhizoma repens subteres, 3~5 mm diam., nodosum squamatumque. Folia solitaria, inter se 10 mm distantia; laminae angustissime ovato-ellipticae vel anguste suboblongae, 10~12.5 cm longae, 3.3~3.8 cm latae, apice acuminatae, basi subobtusae et decurrentes, margine integrae; petioli 4.5~10.5 cm longi. Pedunculus 2.5 cm longus, flexuosus, 4-bracteatus; bractae summae 2 latissime ovatae, subobliquae, 4.5~5 mm longae, 5 mm latae, apice subobtusae, ceterae 3~5 mm longae, apice obtusae. Flos solitarius, carnosus, purpureus; perianthium 12 mm longum, tubo late campanulato 6 mm longo 12 mm diam. apice 8-fido, lobis late ovatis 7~8 mm longis 6~7 mm latis leviter recurvis utrinsecus revolutis apice subobtusis basi conspicue alternativis intus dense mamillatis et longistrorsum 2~3-carinatis usque ad medium tubi ornatis. Stamina 8, in parte tertia infera tubi inserta, stigmate multo inferiora, antheris reniformibus 2 mm longis fere sessilibus. Pistillum 7 mm longum, ovario subinflato, stylo 3.5 mm longo, stigmate fungilliformi 5 mm alto 8 mm diam. supra valde convexo et laevi margine 8-crenato. Bacca ignota.

China. Guangxi (广西): Xincheng (忻城), Chengguan (城关), Cuipingshan (翠屏山), limestone hill, in forests, alt. ca. 250 m, 1984-12-05, X. X. Chen *et al.* (陈秀香等) 61304 (holotype, here designated, GXM1).

根状茎匍匐, 近圆柱状, 直径 3~5 mm, 具节和鳞片。叶单生, 彼此相距 10 mm; 叶片狭的卵状椭圆形至近狭长圆形, 长 10~12.5 cm, 宽 3.3~3.8 cm, 先端渐尖, 基部稍钝, 下延, 边缘全缘; 叶柄长 4.5~10.5 cm。总花梗长 2.5 cm, 多曲折, 具 4 枚苞片; 顶部的 2 枚苞片极宽的卵形, 稍偏斜, 长 4.5~5 mm, 宽 5 mm, 先端稍钝, 其余的长 3~5 mm, 先端钝。花单生, 肉质, 紫色; 花被长 12 mm; 筒部宽钟状, 长 6 mm, 直径 12 mm, 先端 8 中裂; 裂片宽

卵形,长7~8 mm,宽6~7 mm,略外展,两侧背卷,先端稍钝,基部明显交互覆盖,内面密布细乳突和2~3条脊状隆起至花被筒中部。雄蕊8枚,贴生于花被筒下部1/3处,远低于柱头;花药肾形,长2 mm,几乎无柄。雌蕊长7 mm;子房稍膨大;花柱长3.5 mm;柱头蘑菇状,高5 mm,直径8 mm,上面颇凸起而光滑,边缘具8枚圆钝齿。浆果未见。

本种柱头颇似伞柱蜘蛛抱蛋 *A. fungilliformis* Y. Wan, 但花被较短,长12 mm,筒部远较短,长6 mm,先端8中裂;裂片宽卵形,两侧背卷,基部明显交互覆盖,内面密布细乳突和2~3条纵向脊状隆起;花药几乎无柄。

3 歪盾蜘蛛抱蛋 新种 图1: 1~4

Aspidistra obliquipeltata D. Fang et L. Y. Yu, sp. nov. Fig. 1: 1~4

Ab *A. patetiloba* Y. Wan et X. H. Lu foliis basi subobtusis, perianthio flavo minore, tubo 10 mm longo 12~13 mm diam., lobis inaequilongis 1~2.5 mm latis, antheris 2.5 mm longis, stigmatе minore et multo tenui late subelliptico ad centrum subobliquo supra non 4-carinato, bacca verrucata recedit.

Rhizoma repens subteres, 4~7 mm diam., nodosum et squamatum. Folia solitaria, inter se 2.5~5 mm distantia; laminae anguste ovatae vel ellipticae, 17~22 cm longae, 6.8~8 cm latae, apice breviter acuminatae vel acuminatae, basi subobtusae et decurrentes, integrae, utrinsecus asymmetrcae, maculis irregularibus flavido-albidis ornatae; petioli 22.5~38 cm longi. Pedunculus 4.5~5 cm longus, decumbens, 5~6-bracteatus; bracteaе summae 3(~4), anguste triangulato-ovatae vel ovatae, 8~18 mm longae, 4.5~10 mm latae, apice attenuatae vel acutae, ceterae suboblougaе, 8~10 mm longae, ca. 4 mm latae, apice obtusae. Flos singularis; perianthium flavum, 3~3.5 cm longum, tubo late campanulato 10 mm longo 12~13 mm diam. extus 6~10-costato apice profunde 6~10-fido, lobis anguste triangulato-linearibus 14~22 mm longis inaequilongis basi 2~2.5 mm et in medio 1~1.8 mm latis 1~3-nervibus apice acutis vel subobtusis, unoquoque basi introrsum crena unica ornato. Stamina 6~10, stigmati subaequalia, antheris ovatis 2.5 mm longis subsessilibus. Pistillum 4 mm longum, ovario subinflato, stylo 3.5 mm longo, stigmatе peltato-dilatato late subelliptico 10 mm longo 7 mm lato vix 1 mm crasso supra ad centrum leviter obliquo impressoque margine dentibus 17 subtus costis longitudinalibus ornato. Pedunculus fructifer 11 cm longus, prostratus. Bacca verrucata.

China. Guangxi (广西): Ningming (宁明), Longrui Natural Reserve (陇瑞自然保护区), Nongliu (弄六), limestone hill, in forests, alt. ca. 350 m, 1991-05-19, C. C. Huang *et al.* (黄长春等) 22963 (holotype, here designated, GXEM).

根状茎匍匐,近圆柱状,直径4~7 mm,具节和鳞片。叶单生,彼此相距2.5~5 mm;叶片狭卵形至椭圆形,长17~22 cm,宽6.8~8 cm,先端短渐尖至渐尖,基部稍钝,下延,全缘,两侧不对称,具不规则的黄白色斑;叶柄长22.5~38 cm。总花梗长4.5~5 cm,外倾,具5~6枚苞片;顶部苞片3(~4)枚,狭三角状卵形或卵形,长8~18 mm,宽4.5~10 mm,先端渐狭或急尖,其余的近长圆形,长8~10 mm,宽约4 mm,先端钝。花单生;花被黄色,长3~3.5 cm;筒部宽钟状,长10 mm,直径12~13 mm,外面具6~10肋,先端深的6~10裂;裂片狭三角状线形,长14~22 mm,不等长,基部宽2~2.5 mm,中部宽1~1.8 mm,具1~3脉,先端急尖或稍钝,各裂片基部内侧具1枚圆钝齿。雄蕊6~10,与柱头近等高,花药卵形,长2.5 mm,近无柄。雌蕊长4 mm;子房稍膨大;花柱长3.5 mm;柱头盾状膨大,近

宽椭圆形,长 10 mm,宽 7 mm,厚不到 1 mm,上面中心稍偏斜而微陷,边缘有 17 枚牙齿,背面具纵肋。总果梗长 11 cm,平卧。浆果具疣状突起。

本种近柳江蜘蛛抱蛋 *A. patentiloba* Y. Wan et X. H. Lu, 但叶片基部稍钝;花被黄色,较小;筒部长 10 mm,直径 12~13 mm;裂片不等长,宽 1~2.5 mm;花药长 2.5 mm;柱头较小而颇薄,近宽椭圆形,中心稍偏斜,上面无 4 条脊状隆起;浆果具疣突。

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