

广西蜘蛛抱蛋属二新种

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TWO NEW SPECIES OF *ASPIDISTRA* (LILIACEAE) FROM GUANGXI, CHINA

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Abstract Two new species of the genus *Aspidistra* are described from Guangxi Zhuang Autonomous Region, China. They are *Aspidistra cavicola* D. Fang et K. C. Yen and *A. marginella* D. Fang et L. Zeng.

Key words *Aspidistra*; *A. cavicola*; *A. marginella*

关键词 蜘蛛抱蛋属; 洞生蜘蛛抱蛋; 啮边蜘蛛抱蛋

洞生蜘蛛抱蛋 新种 图 1: 1—6

Aspidistra cavicola D. Fang et K. C. Yen, sp. nov.

Species *A. tonkinensi* (Gagnep.) Wang et Lang affinis, sed lamina margine supra medium serrulata, perianthio 8.5 mm longo, lobis c. 3.5mm longis, tubo 5mm longo, stigmatibus 2.5mm diam. differt.

Rhizoma repens subteres, 3mm diam., nodosum et dense squamatum, radicibus unifariis substantibus. Vaginae 3—4 atropurpureae, basin petioli amplectentes, 0.8—7cm longae. Folia solitaria inter se 5—8mm distantia; lamina ellipticis, oblongo-ellipticis vel ovatis, 5—14cm longis, 2.2—4.4cm latis, apice acuminatis mucronatis, basi rotundatis vel late cuneatis, leviter inaequilibus, margine supra medium serrulatae; petiolis 7.5—25cm longis, supra sulcatis. Pedunculus 7—15mm longus, 4-bracteatus; bracteis late ovatis, mediis et infimis 3—5mm longis, 4.5—7mm latis, summis 6mm longis, 9mm latis, prope basin 2-partitis. Flos unicus. Perianthium campanulatum albidum 8.5mm longum, superne 5—6-lobatum, alternativum; lobis late ovatis, 3-nerviis, externis 3.5mm longis, 4mm latis, internis minoribus; tubo 5mm longo, 5mm diam.. Stamina 5—6 subsessilia, in parte tertia infero tubi affixa; antherae oblongae, 2.5mm longae, c. 0.9mm latae. Pistillum 4.5mm longum;

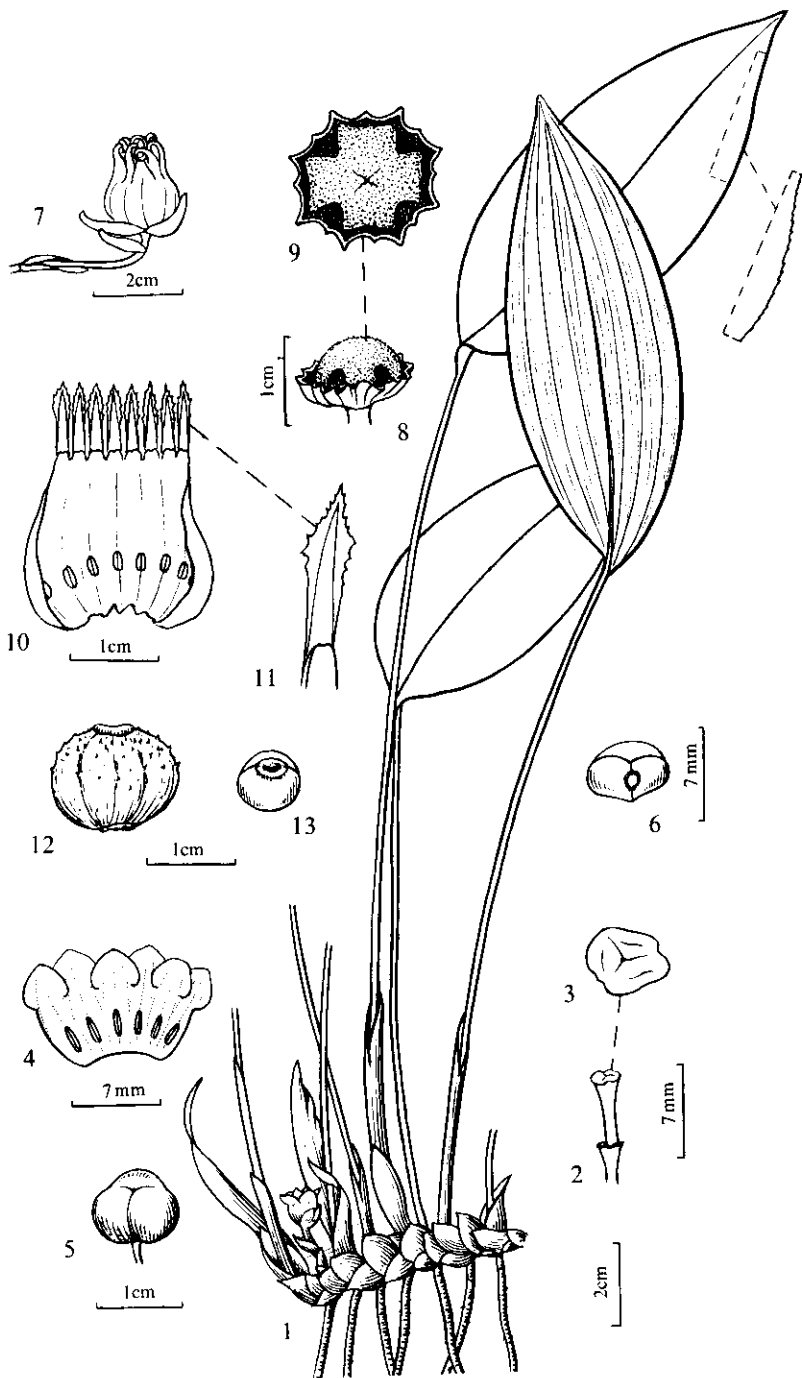


图1 1—6. 洞生蜘蛛抱蛋 1. 植株; 2. 雌蕊; 3. 柱头的上面观; 4. 花被展开; 5. 果实; 6. 种子。
7—13. 啮边蜘蛛抱蛋 7. 花和苞片; 8. 雌蕊; 9. 柱头的上面观; 10. 花被展开; 11. 花被裂片;
12. 果实; 13. 种子。(廖信佩绘)

Fig. 1 1—6. *Aspidistra cavicola* 1. plant; 2. pistil; 3. upper view of stigma; 4. perianth opened;
5. fruit; 6. seed. 7—13. *A. marginella* 7. flower and bracts; 8. pistil; 9. upper view of stigma;
10. perianth opened; 11. lobe of perianth; 12. fruit; 13. seed.

stigmatate dilatatulo, 2.5mm diam., stamina paulo superanti, summo subapplanato; anthesis initio ovario haud inflato, 3-loculo, in quoque loculo 2-ovulato. Bacca depresso-globosa vel globosa, 7—10mm diam., extus laevis purpurascens, in quoque loculo monosperma; semina prope compresso-semiglobosa, 4mm alta, 5.5mm lata, 3.5mm crassa, extus laevia.

Guangxi (广西): Fengshan (凤山), Paoli (袍里), Yueli (月里), in cavern of calcareous rocks, 510m alt., 1990. 06. 12, Fang Ding and Zhong Xia-ming (方鼎、钟夏明) 30555 (Holotype, GXMI).

根状茎匍匐, 近圆柱形, 直径3mm, 具节和密鳞片; 根一列, 近直立。叶鞘3—4枚, 暗紫色, 抱着叶柄基部, 长0.8—7cm。叶单生, 彼此相距5—8mm; 叶片椭圆形、长圆状椭圆形或卵形, 长5—14cm, 宽2.2—4.4cm, 先端渐尖, 具短尖头, 基部圆形或阔楔形, 两侧稍不等, 中部以上边缘有细锯齿; 叶柄长7.5—25cm, 上面具槽。总花梗长7—15mm, 具4枚苞片; 苞片阔卵形, 中下部的长3—5mm, 宽4.5—7mm, 上部的长6mm, 宽9mm, 2裂近基部。花单朵。花被钟状, 白色, 长8.5mm, 上部5—6裂, 交互覆盖; 裂片阔卵形, 具3脉, 外层裂片长3.5mm, 宽4mm, 内层裂片稍小; 花被筒长5mm, 直径5mm。雄蕊与花被裂片同数, 几无花丝, 贴生于花被筒下部1/3处; 花药长圆形, 长2.5mm, 宽约0.9mm。雌蕊长4.5mm; 柱头稍扩大, 直径2.5mm, 稍高于雄蕊, 顶部近扁平; 子房在开花初期不膨大, 3室, 每室有2胚珠。浆果扁球形或球形, 直径7—10mm, 外面光滑, 淡紫色, 每室有种子1粒; 种子近扁半球形, 高4mm, 宽5.5mm, 厚3.5mm, 光滑。

本种体形与大花蜘蛛抱蛋 *A. tonkinensis* (Gagnep.) Wang et Lang 相近, 但叶片中部以上边缘有细锯齿; 花被长8.5mm, 裂片长3.5mm, 花被筒长5mm; 柱头直径2.5mm。而大花蜘蛛抱蛋的叶缘无锯齿; 花被长3—3.5cm, 裂片长10—15mm, 花被筒长20mm; 柱头直径11mm, 5—6裂。

啮边蜘蛛抱蛋 新种 图1: 7—13

Aspidistra marginella D. Fang et L. Zeng, sp. nov.

Species *A. longipetalae* S. Z. Huang affinis, sed lobis perianthii tubo brevioribus, saepe inflexis, in utroque latere anguste irregulariter erosis membranaceis, stylo cum ovario 1mm longo, stigmatate in summo cruciato differt.

Rhizoma repens subteres, 3—5mm diam., nodosum squamatumque, radices robustas elongatas edens. Vaginae 3 purpureae, 1.5—10cm longae. Folia solitaria inter se 5—8mm distantia; laminis ovatis raro prope oblongo-ellipticis, (12.5—)16.5—23cm longis, 5.5—9cm latis, apice acuminatis caudatis mucronatis, basi rotundatis raro cordatulis interdum leviter inaequilibus, margine integris; petiolis 11—17(—25.5)cm longis, supra sulcatis. Pedunculus 2.5—6cm longus, purpureus, 4-bracteatus; bracteis viridi-purpuratis, apice cucullatis, infirmis saepe oblongis, 9—15mm longis, mediis et summis 3 ovatis, 10—13mm longis, 6—8mm latis. Flos unicus cernuus. Perianthium urceolatum, extus viridulum

purpureo-puncticulatum, intus purpureum, 26mm longum, superne 6—8-lobatum; lobis linearibus, 9mm longis, 2mm latis, saepe inflexis, utrinsecus margine anguste irregulariter eroso-membranaceis, basi introrsum in quoque lobo crena unica carnosa ornatis; tubo 18mm longo, 13mm diam.. Stamina 6—8 subsessilia, ad 5mm supra basin tubi inserta; antheris oblongis, 2mm longis, 1mm latis. Pistillum 7mm longum; stylo cum ovario 1mm longo; stigmatibus dilatato patelliformi, 12mm diam., 6mm alto, stamina paulo superanti, in imo costis 16 radiatim dispositis inter ea valliculatis ornato, margine 16-denticulato dentibus magnis et parvis alternantibus, in summo cruciatis convexo dense mamillato, anthesis initio ovario haud inflato, 3—4-loculari. Bacca depresso-globosa, 10mm alta, 12—14mm diam., atropurpurea, extus plus minusve verrucosa et irregulariter acutangulata vel prope alaeformis, in quoque loculo monosperma; semina semiglobosa, 6mm diam., extus laevia.

Guangxi (广西): Longzhou (龙州), Jinlong (金龙), Banbi (板闭), below ground in forests of calcareous rocks, 540m alt., 1990. 05. 16, Fang Ding and Zeng Ling (方鼎、曾玲) 80188 (Holotype, GXMI; isotype, GXMN*); *ibid.*, Zeng Ling 0138.

根状茎匍匐, 近圆柱形, 直径 3—5mm, 具节和鳞片; 根粗壮, 伸长。叶鞘 3 枚, 紫色, 长 1.5—10cm。叶单生, 彼此相距约 5—8mm; 叶片卵形, 稀近长圆状椭圆形, 长(12.5—)16.5—23cm, 宽 5.5—9cm, 先端渐尖, 尾状, 具短尖头, 基部圆形, 稀浅心形, 有时两侧稍不等, 边全缘; 叶柄长 11—17(—25.5)cm, 上面有槽。总花梗长 2.5—6cm, 紫色, 具 4 枚苞片; 苞片绿带紫色, 先端兜状, 下部的通常长圆形, 长 9—15mm, 中部和顶生的 3 枚卵形, 长 10—13mm, 宽 6—8mm。花单朵, 稍俯垂。花被坛状, 外面淡绿色, 具紫色小点, 内面紫色, 长 26mm, 上部 6—8 裂; 裂片条形, 长 9mm, 宽 2mm, 常内弯, 两侧具狭的不规则啮蚀状膜边, 各裂片的基部内面有一枚肉质圆齿; 花被筒长 18mm, 直径 13mm。雄蕊 6—8 枚, 几无花丝, 贴生于距花被筒基部 5mm 处; 花药长圆形, 长 2mm, 宽 1mm。雌蕊长 7mm; 花柱连子房长 1mm; 柱头膨大, 碟状, 直径 12mm, 高 6mm, 稍高于雄蕊, 底部具 16 条放射状排列的棱状隆起, 隆起之间具沟, 边缘成 16 齿, 大小相间排列, 顶部十字形, 突起, 密生小乳突; 子房在开花初期不膨大, 3—4 室。浆果扁球形, 高 10mm, 直径 12—14mm, 暗紫色, 外面多少具瘤状突起和不规则的锐棱或近翅状, 每室有种子 1 粒; 种子扁半球形, 直径 6mm, 表面光滑。

本种体形与长瓣蜘蛛抱蛋 *A. longipetala* S. Z. Huang 相近, 但花被裂片短于花被筒, 常内弯, 两侧具狭的不规则啮蚀状膜边; 花柱连子房长 1mm; 柱头顶部十字形。而长瓣蜘蛛抱蛋的花被裂片长于花被筒, 近直立, 两侧无啮蚀状膜边; 花柱连子房长 5mm; 柱头顶部非十字形。