

有时4—6室，胚珠每室多数，花柱单一，长约5毫米，无毛。果未见。

产于云南元阳县和金平县；生于海拔900—1450米的村旁林中或山谷林缘。老挝也有分布。模式标本采自云南元阳县。

本种全株无毛，特别是顶芽也无毛，叶片大，下面淡绿色，密被暗红褐色细小腺点以及花大，常2—3朵腋生，雄蕊45—50枚，子房4—6室，无毛，花柱单一，不分叉等突出特征，易于识别。它和产于老挝的 *A. laotica* Gagnep. 甚为近似，区别仅在于后者的叶片下面无红褐色腺点以及雄蕊远较少，仅约25枚等。

9. 耳基叶杨桐 (新拟) 图版 12

Adinandra auriformis L. K. Ling et S. Y. Liang, sp. nov. in Addenda p. 190.

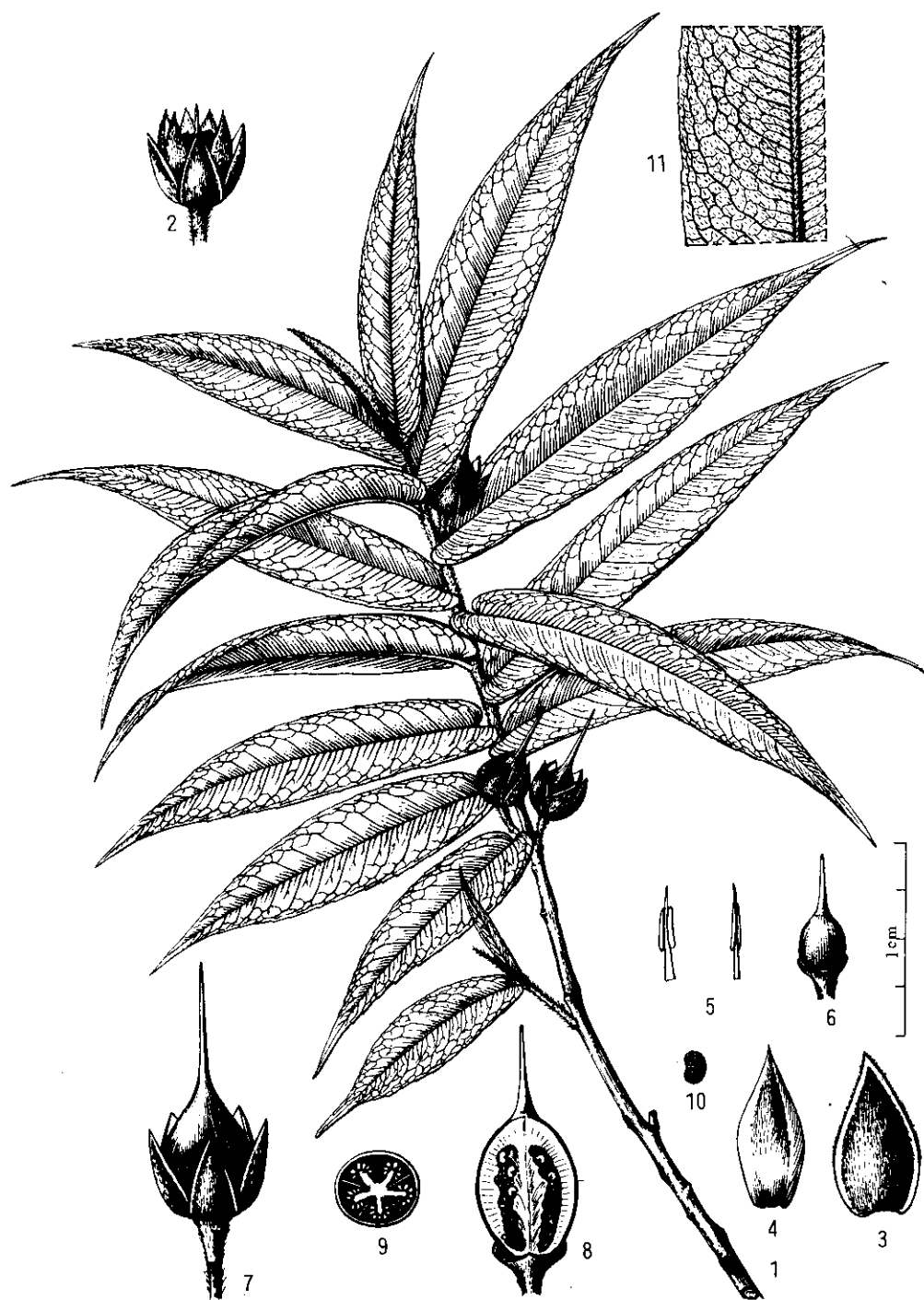
灌木或小乔木(?)；枝圆筒形，小枝灰褐色，近无毛，一年生新枝黄褐色或褐色，连同顶芽密被黄褐色披散柔毛；顶芽细瘦，长锥形，长约8毫米。叶互生，薄革质，披针形或长披针形，长7.5—12.5厘米，宽1.9—2.5厘米，顶端长渐尖或呈尾状，尾长约1.5厘米，基部为不整正的耳形，其一侧多少抱茎，边缘有不甚明显的细锯齿，干后上面深绿褐色，无毛，下面黄褐色，疏被平伏柔毛，中脉上较密；中脉在上面凹下，在下面凸起，侧脉14—16对，在离叶边1/3处弧曲而联结，上面隐约可见，下面明显且稍凸起；叶柄极短，长1—1.5毫米，上面有槽，下面密被柔毛。花单朵腋生，未开，花梗粗短，直立，长5—7毫米，粗约1.5毫米，疏被柔毛；小苞片2，早落，仅留痕迹；萼片5，卵形或长卵形，长7—9毫米，宽5—6毫米，顶端尖，边缘被纤毛和腺点，外面无毛，稀可疏被短柔毛；花瓣5，长卵形，长6—8毫米，宽3—4毫米；顶端尖，外面近顶端的中间部分密被平伏绢毛；雄蕊约34枚，长4—4.5毫米，花丝长约1.5毫米，几分离，着生于花冠基部，无毛，花药线形，长约1.5毫米，也无毛，顶端有小尖头，长约1毫米；子房卵圆形，无毛，5室，中轴胎座，胎座粗肥，胚珠每室多数，花柱单一，长约3毫米，无毛。果未完全成熟，卵形或卵圆形，长约13毫米，宽8—9毫米，宿存花柱长10—12毫米，宿存萼片长9—12毫米，宽6—7毫米，无毛，果梗长约7毫米，疏被柔毛；种子少数，扁肾形，褐色，有光泽，表面具网纹。

特产于广西。模式标本采自广西。

本种叶片基部为不整正的耳形，其一侧多少抱茎，子房、花柱、花丝及花药均无毛以及花瓣外面中间部分密被平伏绢毛等是本属中一个很特殊类群，易与其他种分开。

10. 全缘叶杨桐 (新拟) 图版 8: 6—10

Adinandra integerrima T. Anders. ex Dyer in Hook. f., Fl. Brit. Inds 1: 282, 1874; King in Journ. As. Soc. Bengal 59 (2): 190 (Meter., Fl. Malay. Penin. 1: 130, 1890; Ridl., Fl. Malay. Penin. 1: 196, 1922; Craib, Fl. Siam. En. 1: 125, 1925; Melchior in Nat. Pflanzenfam. ed. 2 (21): 144, 1925; Gagnep., in Fl. Gen. Indo-chine, Suppl. 1: 285, 1943; Kobuski in Journ. Arn. Arb. 28: 75, 1947; H.



图版 12 1—11. 耳基叶杨桐 *Adinandra auriformis* L. K. Ling et S. Y. Liang; 1. 果枝; 2. 花; 3. 萼片; 4. 花瓣; 5. 雄蕊背腹面; 6. 雌蕊; 7. 果实; 8—9. 果实纵切面和横切面; 10. 种子; 11. 叶片下面一段。(蔡淑琴绘)

大杨桐 (新种)

Adinandra grandis L. K. Ling, sp. nov.

Haec species ubique glabro, gemmis terminalibus imprimis glabris, laminis magnis. Floribus magnis, vulgo 2—3 axillaribus, staminibus 45—50, ovario 4—6-loculari, stylo simplici, furcata facile distinguitur omnino. ceteris speciebus, valde affinis *A. laoticae* Gagnep. (Super laoticam) sed a qua faciliter differt laminis subtus dense rursus subtile punctulatis, staminibus circa 50.

Arbor 13—20 m alta, ubique glabra; rami cylindrici, ramulis griseo-brunneis, honotini infuscati (brunne); gemmae terminales magnae, longo-conicae, circa 2 cm longae. Folia alterna coriacea, paulo crassa, oblongo-elliptica, 13—18 cm longa, 5.5—8.5 cm lata, apice breviter caudata vel subobtusata, basi cuneata, integra; siccitate supra interse viridia, opaca, subtus viridula, dense opaca rursus subtili punctulata, costis supra apulis impressis, subtus elevatis, nervis lateralibus utrisque 13—16, siccitate supra subtusque inconspicuis vel interdum paulo conspicuis; petioli robusti, 1.2—2 cm longi. Flores magni, inaperli, vulgo 2—3 axillares vel e ramulis foliorum delapsorum crescentes; pedicelli 1—1.8 cm longi; cernui bracteolae 2, deciduae, triangulari-ovatae, circa 2 mm longae; sepala 5, crassa, ovato-rotunda, 8—10 mm longa integra, membranacea; petala 5, alba, rotundata vel subrotundata, 10—14 mm diam., apice rotunda, extus glabra; stamina 46—50, 7—10 mm longa, filamenta 2—3 mm longa, vix basi paulo connata, basi corollarum inserta, glabra, antheris lineari-oblongis, 5—7 mm longis, pilosis, apice conplanatis, inapiculatis; ovarium ovoideum glabrum, 4—6-loculare, ovulis in quoque loculis plurimis, stylo simplici, circa 5 mm longo, glabro. Fructus ignotus.

Yunnan: Yuanyang Xian (元阳县), Feng-chun Lin (逢春岭), alt. 900—1450 m, in forest, June, 8, 1974, tree, 20 m. high, flowers greenish, Luchun Dui (绿春队) 1714 (type PE); Jinping Xian (金平县), alt. 1450 m, Aug. 18, 1957, tree, 13 m high, Mao Ping-yi (毛品一) 400.

耳基叶杨桐 (新种)

Adinandra auriformis L. K. Ling et S. X. Liang, sp. nov.

Haec species laminis basi irregulariter auriculatis lateralibus plus minus vel amplexi caulibus; ovario et stylo, antheris et filamentis glabris, petalis extus medio dense adpresso-sericeis facile differt omnino ceteris speciebus.

Frutex vel arbor parva (?); rami teretes, ramulis cinereo-brunneis, fere glabris, honotini fulvo-brunnei vel brunnei et gemmae terminatae dense disperse fulvo-brunneo-pilosis; gemmae terminatae angustae, longiconicae, circa 8 mm. longae. Folia alterna,

tenuiter coriacea, lanceolata vel longi lanceolata, 7.5—12.5 cm longa, 1.9—2.5 cm lata, apice longe acuminata vel caudata, caudis circa 1.5 cm longis, basi irregulariter auriculata, laterali plus minusne amplexicaulibus, margine inconspicua serrulata, in siccitate, supre intense virida, glabra, subtus fulvo-brunnea, parce adpresso-pilosa, ad costam densius; costa media supra impressa, subtus electa; nervi laterales utrinsecus 14—16, c. prope foliorum margine arcuato-conjuncti, supra paulo conspicui, subtus conspicui et elevati; petioli brevissimi, 1—1.5 mm longi, supra sulcati, subtus dense pilosi. Flos simplex, axillaris, inapertus; pedicelli crassi et brevis, erecti 5—7 mm longi, circa 1.5 mm crassi, sparce pilose, bracteolae 2, deciduae, vix bracteolarum delapsarum cicatricibus; sepala 5, ovata vel longo-ovata, 7—9 mm longa, 5—6 mm lata, apice caudata, margine sericea et glandulosa, exteriora glabra, sparsa pubescentis; petala 5, longo-ovata, 6—8 mm longa, 3—4 mm lata, apice caudata, extus prope mediam dense adpresso-sericea; stamina circa 34, 4—4.5 mm longa, filamentis 1.5 mm longis, subliberis, basi corollarum insertis, glabris antheris linearibus circa 1.5 mm longis, glabris, apice apiculatis, circa 1 mm; ovarium ovato-rotundatum, glabrum, 5-loculare; placenta centralis, crassa, ovulis in quoque cocolis plurimis, stylis solitariis, circa 3 mm longis, glabris. Fructus immaturus, ovoideus vel ovato-rotundatus, circa 1.3 mm longus, 8—9 mm latus, stylus persistens 10—12 mm longus, calyce persistente 9—12 mm longo, 6—7 mm lato, glabro, pedunculo circa 7 mm longo, sparce piloso; semina minima, inaequilater reniformes, brunnea, nitida, testa reticulata.

Guangxi: without locality and date, Guangxi Institute of Botany (广西植物研究所) 43 (type, IBG).

大苞粗毛杨桐 (新变种)

Adinandra hirta Gagnep. var. **macrobracteata** (L. K. Ling) L. K. Ling, var. nov.

A typo recedit praecique gemmis, ramulis, bracteolis, extus sepalisque longe setigerulis patentibus dense induti, bracteolis praemajorius, 6—10 mm longis, 4.5—5 latis, stylis subgracilibus glabris vel basin pubescentibus.

Guangxi: Fushi Xian (扶绥县), rocky or in dense forest, May, 2, 1957, tree, 13 m. high, flowers white, Chen Shao-ching (陈少卿) 12194; Da Miao Shan (大苗山), alt. 1240 m, road side on hill slope, Aug. 30, 1958, shrub, 5 m high, Chen Shao-ching (陈少卿) 15430. Kuizhou: Kali (凯里), alt. 800 m, in forest, May, 8, 1959, flowers reddish-white, Qian Nan Dui (黔南队) 1184 (Type, PE); Libo Xian (荔波县), alt. 700 m., July, 24, 1959, shrub, fruits green, Li Bo Dui (荔波队) 1140.