

**5. BOENNINGHAUSENIA** Reichenbach ex Meisner, Pl. Vasc. Gen. 1: 60; 2: 44. 1837, nom. cons., not *Boenninghausia* Sprengel (1826).

石椒草属 shi jiao cao shu

Zhang Dianxiang (张奠湘); Thomas G. Hartley

Herbs, perennial. Leaves alternate, pinnately to ternately decompose. Inflorescences terminal and axillary, paniculate, with simple foliar bracts. Flowers bisexual, actinomorphic. Sepals 4, connate at base or to nearly their full length. Petals 4, imbricate in bud, margin entire. Stamens (6–)8, distinct. Disk annular to cup-shaped, surrounding and separate from a slender manifestly accrescent gynophore which often becomes apically 4-parted. Gynoecium 4-carpelled; ovaries coherent in  $\pm$  their basal half, otherwise contiguous; ovules several per locule; style lateral, of 4 coherent styler elements; stigma punctiform or capitellate. Fruit of 4 distinct apically dehiscent follicles; endocarp thinly cartilaginous, adnate to mesocarp in dehiscent fruit. Seeds reniform; seed coat leathery, tuberculate; endosperm  $\pm$  copious; embryo curved; cotyledons elliptic, flattened; hypocotyl superior.

One species: E, S, and SE Asia.

**1. *Boenninghausenia albiflora*** (Hooker) Reichenbach ex Meisner, Pl. Vasc. Gen. 2: 44. 1837.

臭节草 chou jie cao

*Ruta albiflora* Hooker, Exot. Fl. 1: t. 79. 1823; *Bodineria thalictrifolia* H. Léveillé; *Boenninghausenia albiflora* var. *brevipes* Franchet; *B. albiflora* var. *pilosa* Z. M. Tan; *B. brevipes* (Franchet) H. Léveillé; *B. japonica* Siebold ex Miquel; *B. schizocarpa* S. Y. Hu; *B. sessilicarpa* H. Léveillé; *Podostaurus thalictroides* Junghuhn.

Plants to 1.2 m tall. Stems, branches, leaves, and inflorescences glabrous to pubescent. Larger leaves 4–16 cm; leaflet

blades elliptic to obovate to broadly obovate to suborbicular, 0.5–2.5  $\times$  0.4–1.5 cm. Inflorescences to 60 cm. Flowers globose to ovoid to ellipsoid to oblong in bud. Sepals 0.5–1.3 mm. Petals elliptic to obovate, or broadly so, 3.5–6 mm, apex acute to broadly rounded. Disk 0.3–0.5 mm. Gynophore in flowers at anthesis 0.3–1.5 mm, in fruit 0.6–5.5 mm. Fruit follicles 2.5–5 mm. Fl. and fr. May–Nov.

Open forests, grassy slopes; 500–2800 m. Anhui, Fujian, Gansu, Guangdong, Guangxi, Guizhou, Hubei, Hunan, Jiangsu, Jiangxi, Shaanxi, Sichuan, Taiwan, SE Xizang, Yunnan, Zhejiang [Bhutan, India, Indonesia, Japan, Kashmir, Laos, Myanmar, Nepal, Pakistan, Philippines, Thailand, N Vietnam].

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