

6. *Encalypta sinica* J.-C. Zhao & M. Li    zhong-hua da-mao xian

Arctoa 8: 1. 1999. Type. China: Hebei, Mt. Xiao-wu-tai, 39°50'–40°47'N, 114°47'–115°30'E), on soil over rock surface, *M. Li 97047b* (holotype HBNU).

*Plants* small to medium-sized, 1.2–1.4 cm high, light green or yellowish green above, brownish below, in tufts. *Stems* simple or branched; central strand poorly developed. *Leaves* incurved or slightly twisted when dry, erect-spreading when moist, 2.5–3.5 mm × 0.60–0.85 mm, oblong-ovate to oblong-ligulate, obtuse at the apex; margins plane or somewhat incurved; costa strong, percurrent; upper and median leaf cells irregularly rounded to quadrate, 10–16 μm wide, with stellate papillae; basal cells oblong 35–85 μm × 14–18 μm, with reddish, distinctly thickened transverse walls; 3–4 rows of marginal cells linear, 38–75 μm × 5–7 μm, thin-walled, paler. *Autoicous*. *Perichaetial leaves* slightly differentiated, somewhat smaller than upper stem leaves. *Setae* reddish brown, 4–6 mm long, erect, slightly twisted above when dry; capsules cylindrical, base broader, somewhat enlarged distally, 4–5 mm long, with dark red, longitudinal ribs; peristome single, 16 teeth, ca. 330 μm long, orange, erect to inflexed, regularly lanceolate to truncate, papillose; preperistome present, smooth; annuli absent; opercula with a long, straight beak. *Calyptrae* cylindrical, golden to golden brown, covering the whole capsule, with dense high-conic papillae throughout except the base; rostrum long-erect, about 1/4–1/3 the calyptra length. *Spores* yellowish brown, 24–32 μm in diameter, nearly smooth on proximal surface, with large warty papillae on distal surface.