21. ***Grimmia reflexidens*** C. Müll. hou-bi zi-e xian

Syn. Musc. Frond. 1: 795. 1849. Type. Chile: *Pöppig s.n*.

Grimmia sessitana De Not., Atti Reale Univ. Genova 1: 704. 1869. *Grimmia alpestris* (Web. & Mohr) Schleich. var. *sessitana* (De Not.) I. Hagen, Kongel. Norske Vidensk. Selsk. Skr. (Trondheim) 1909(5): 22. 1909. *Grimmia alpestris* f. *sessitana* (De Not.) Loeske, Laubm. Eur. Part I: 105. 1913. Type. Italy: “In praeruptis infra Hospitium della Valdobbia, in valle Sessitana, legit. Carestia” (lectotype RO, designated by T. Cao & Vitt 1986). Synonymized by Muñoz 1998b.

Plants small, up to 1.0 cm high, dark green to blackish green, in dense tufts. *Stems* sparsely branched, with well developed central strand in cross section, lower part often covered with dense rhizoids. *Leaves* erect, imbricate when dry, spreading when moist, 1.8–2.0 mm long, narrowly lanceolate from an ovate base, keeled above, ending in smooth, hyaline hair-points, ca. 0.2–0.3 mm long, leaves in lower part of stem often muticous; margins narrowly recurved on one side from the middle to basal part of leaves; costa prominent, ending near the apex, with small median cells in cross section; upper cells rounded-quadrate, 8–10 µm wide, obscure, unistratose or in places bistratose at margins, with incrassate, straight or slightly sinuose walls; 2–4 rows of basal cells at margins hyaline, rectangular to short-rectangular, 15–23 µm × 9–13 µm, with distinctly thicker transverse walls than longitudinal walls; basal juxtacostal cells elongate, 30–33 µm × 8–10 µm, with thin, straight walls. *Autoicous*. *Perichaetial leaves* much larger than vegetative leaves, with long, smooth awns. *Setae* yellowish, ca. 2 mm long, straight, twisted to left when dry; capsules exserted, erect, ovoid to oblong-ovoid, yellowish brown, ca. 1 mm long, smooth or nearly so; exothecial cells short-rectangular, with thin, straight walls; stomata present near base of urns; annuli absent; opercula convex, with a blunt beak; peristome teeth erect, lanceolate, reddish brown, irregularly perforate and cleft above, outer and inner surface coarsely papillose above, papillose below. *Calyptrae* cucullate. *Spores* 9–11 µm in diameter, yellowish, granulose.