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# Early Silurian to Early Carboniferous ridge subduction in NW Junggar: evidence from geochronological, geochemical, and Sr-Nd-Hf isotopic data on alkali granites and adakites

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## Abstract

The Central Asian Orogenic Belt (CAOB) evolved through a long-lived orogeny involving multiple episodes of subduction and accretion marking a major phase of continental growth during the Paleozoic. The northern part of the Western Junggar region (NW Junggar) offers a window into these processes, particularly to constrain the timing of closure of the Paleo-Asian Ocean. Here we report geochemical,

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