

A juvenile redlichiid trilobite caught on the move: Evidence from the Cambrian (Series 2)

Chengjiang Lagerstätte, southwestern China

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Keywords: redlichiid, trilobite, ichnology, China, Cambrian

ABSTRACT

A trace fossil with its putative *in situ* maker, a redlichiid juvenile of *Eoredlichia intermedia* Lu, 1940 from the lower Cambrian (Series 2) Chengjiang fauna, southwestern China, is reported here. Evidence for biogenetic linkage of the trail to the trilobite includes their close, integrated association, *in situ* preservation, and consistent dimensions. Analysis from Scanning Electron Microscopy further strengthens this argument. Preservation mechanism and fidelity loss in the trail are considered. In light of functional morphology, a nektonic-benthic transition in modes of life is inferred for meraspides of *Eoredlichia*.