

## **Anatomy and relationships of the fuxianhuiid euarthropod *Guangweicaris* from the early Cambrian Guanshan Biota in Kunming, Yunnan, Southwest China revisited**

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The Guanshan Biota (Cambrian Series 2, Stage 4) is a typical Burgess Shale-type biota, and is one of the most significant Cambrian Konservat-Lagerstätten from China, in addition to the well-known Chengjiang and Kaili biotas. *Guangweicaris* is a relatively common arthropod from the Guanshan Biota. Based on new specimens from the Longbaoshan and Xinglongcun sections of the Wulongqing Formation in Kunming, we herein report novel features of *Guangweicaris spinatus*, such as the eye-bearing anterior sclerite that is associated with the head shield, as well as revised details of the trunk, including the ventral appendages. A detailed comparison of *Guangweicaris*, *Fuxianhuia* and *Shankouia* suggests a close affinity between *Guangweicaris* and *Fuxianhuia*, which improves our understanding of the evolution of early Cambrian euarthropods.

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