New advance of Guangweicaris from the Cambrian (Stage 4, Series 2) Guanshan Biota in Kunming, Yunnan, South China

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The Guanshan Biota is a typical Burgess Shale-type Biota, which is a significant discovery in China after the well-known Chengjiang biota and Kaili biota. Guangweicaris Luo, Fu et Hu, 2007 is a typical arthropod in Lower Cambrian (Stage 4, Series 2) Guanshan Biota, which was first reported by Luo et al.¹ in 2007 and supplemented by Yang² in 2008. Here we added some new information and revised the features of Guangweicaris, e.g. the prothorax, the abdomen and the telson. Besides, we questioned 'the bivalved head shield' of Guangweicaris and revealed the morphological stasis of Guangweicaris. In addition, the comparison of Guangweicaris with Fuxianhuia suggests that they have a close affinity, which is crucial for understanding the evolution of early Cambrian arthropods.

References: