

## Floian, Early Ordovician, trilobites from the Olongbluk Terrane, northwest China

Xin Wei and Zhiqiang Zhou

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Floian, Early Ordovician trilobites are systematically described and revised based on new material from the middle part of the Duoquanshan Formation of the Shihuigou area, northern Qinghai Province, northwest China. The fauna that lived on the shallow-water carbonate platform comprises three species belonging to two families, i.e., *Tsaidamaspis diarmatus*, *Zhiyia tsinghaiensis*, and *Liexiaspis* sp. indeterminate. It exhibits a strong endemism to the Olongbluk terrane. The new isoteline genus *Zhiyia* is established on the basis of the material from the Olongbluk terrane and South China palaeoplate, and is characterized by its: (i) almost obsolete cephalic and pygidial axial furrows; (ii) flattened anterior border and narrow (sag., exsag.) occipital ring; (iii) bilobed hypostome with a shallow median notch and a small triangular median projection; (iv) subsemicircular pygidium with wide pygidial axis and border. Faunal evidence indicates that the palaeogeographic position of the Olongbluk terrane may have been situated closer to the South China palaeoplate rather than the North China palaeoplate during the Floian.


**Key words:** Trilobita, palaeogeography, Floian, Ordovician, Olongbluk terrane, northwest China.

Xin Wei [[xwei@nigpas.ac.cn](mailto:xwei@nigpas.ac.cn); ORCID: <https://orcid.org/0000-0003-4095-280X>],

State Key Laboratory of Palaeobiology and Stratigraphy, Nanjing Institute of Geology and Palaeontology, Chinese Academy of Science, Nanjing 210008, China.

Zhiqiang Zhou [[zsy1940@163.com](mailto:zsy1940@163.com); ORCID: <https://orcid.org/0009-0003-5113-0913>], Xi'an Institute of Geology and Mineral Resources, Chinese Academy of Geological Sciences, Xi'an 710054, China.

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