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华北板块北缘晚古生代火山事件沉积的全序列及其主要特征 [点此下载全文](#)

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摘要:

本文对辽宁南票及内蒙古大青山区上石炭—下二叠统地层中火山事件沉积进行了系统的岩矿鉴定, 差热, X光, 电镜测试及微量稀土元素定量分析, 两剖面自下而上共划分出12期火山事件沉积序列, 包括了34—39层火山事件沉积层, 由于各层均具有特定的岩石矿物及地球化学特征, 为进一步查明华北板块北缘火山事件沉积的展布规律, 并利用火山事件层作为标志层进行地层对比, 提供了新的依据。

关键词: [晚古生代](#) [火山事件](#) [岩石](#) [矿物](#) [地球化学特征](#) [华北板块](#) [沉积序列](#)

The Whole Sequences of Volcanic Event Deposits on the North Margin of the North China Plate and Their Features [Download Fulltext](#)

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Abstract:

According to systematic petro-mineral appraisal, differential thermal, X-ray differentiation and electron-microscope tests and quantitative analyses of trace rare elements from the volcanic event deposits of the Upper Carboniferous-Lower Permian series in Nanpiao, Liaoning, and Daqingshan, Inner Mongolia, deposit sequences of 12 volcanic events have been identified, including the 34-39th volcanic beds from bottom to top. Because the volcanic beds have their respective petro-mineral and geochemical features, they will provide a reliable basis for further proving the time-space distribution pattern of the volcanic event deposits on the northern margin of the North China plate and making stratigraphic correlation taking the volcanic beds as marker beds.

Keywords: [Paleozoic strata](#) [volcanic event deposits](#) [petro-mineral and geochemical features](#) [stratigraphic correlation](#)

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