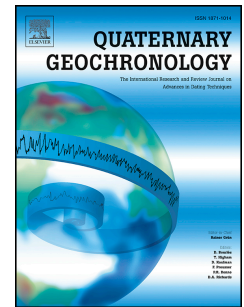


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Magnetostratigraphy of two deep boreholes in the southwestern Bohai Bay: its tectonic implications and constraints on ages of volcanic layers

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ABSTRACT

Bohai Bay Basin recorded the processes of basin filling and structural evolution, possibly resulting from the destruction of the North China Craton during the late Mesozoic and the early Cenozoic. However, the absence of reliable chronostratigraphic framework of sedimentary sequences in this basin has precluded a better understanding of this critical evolution, especially in southwestern Bohai Bay, there are two Quaternary volcanoes named Dashan and Xiaoshan respectively. In this study, by combining paleomagnetic study with sedimentary analysis on two drilled boreholes (CK3 and G4) from the southwestern Bohai Bay Basin, new insights into

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