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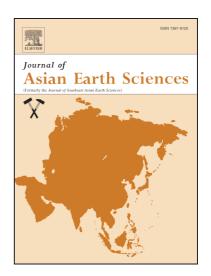
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CCEPTED MANUSCRIPT

Cenozoic evolution of Western Qinling Mt. Range based on thermochronologic

and sedimentary records from the Wudu Basin, NE Tibetan Plateau

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Abstract:

The Cenozoic exhumation and evolution of the NE Tibetan Plateau remain a topic

of debate, although evidence of exhumation and tectonic evolution is well archived

in the sediments of related synorogenic basins and in the bedrock of the provenances

of these sediments. In the NE Tibetan Plateau, the intermontane Wudu Basin is

situated on the southeastern edge of Western Qinling Mt. Range (hereafter, referred

to as "Western Qinling") and contains a well-preserved Neogene succession. We

present a comprehensive investigation of the thermochronology and sedimentology

of the Wudu Basin and use the findings to decipher the Cenozoic sequence of the

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