

岳乐平, 张云翔. 中国北方陆相沉积5.30Ma磁性地层序列[J]. 地质论评, 1999, 45(4): 444-448

中国北方陆相沉积5.30Ma磁性地层序列 [点此下载全文](#)

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基金项目: 国家自然科学基金(编号49572133)

DOI:

摘要:

本文通过中国北方新第三纪晚期典型剖面的磁性地层研究, 建立5.30Ma以来中国北方陆相沉积磁性地层序列。中国黄土记录了Brunhes正常极性带与Matuyama负极性带, 年龄约2.50Ma。静乐红土(包括静乐剖面, 榆林剖面, 蓝田剖面)对应于Gauss正常极性带与Gilbert负极性带, 年龄约2.50—5.30Ma。三门组记录了Matuyama负极性带下段, 年龄约1.20—2.50Ma。游河组记录了Gauss

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Magnetostratigraphic Sequence of Continental Deposits in Northern China Since 5.30 Ma [Download Fulltext](#)

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Abstract:

Magnetostratigraphy has been used to study typical sections in northern China in the interval 0-5.30 Ma B.P. A magnetostratigraphic sequence has been established. The Brunhes normal polarity zone and Matuyama reverse polarity zone were recorded in Chinese loess. The Jingle red clay (consists of red clay in the Jingle section, Yulin section and Lantian section) corresponds to the Gauss normal polarity zone and Gilbert reverse zone in the interval 2.50-5.30 Ma as well. The Sanmen Formation recorded the lower part of the Matuyama zone, and the Youhe Formation recorded the Gauss zone. The deposits of the Nihewan lake basin can be compared with the Brunhes zone, Matuyama zone and Gauss zone. In the Yushe basin, the Gauss zone and Gilbert zone were recorded in the Macegou and Gaozhuang Formations respectively. In the Kuqa area of Xinjiang, the upper part of the Xiyu Formation recorded the lower part of the Matuyama zone, while the lower part recorded the Gauss zone, and the Kuqa Formation recorded the Gilbert zone.

Keywords: [magnetostratigraphy](#) [loess and red clay](#) [deposits of the Sanmen and Nihewan lake basins](#) [Yushe basin](#) [Xiyu and Kuqa Formations](#)

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