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摘要:

世界范围内海水的REE研究表明,不同环境海水的REE有一定的差异.海相硅质沉积也显示出与周围海水相似异常.对已知沉积环境的硅岩所作REE研究说明,利用硅岩的REE特征可以帮助判别海相沉积环境.江西南部寒武—奥岩,根据Ce的异常,推测此区硅岩形成于大陆边缘—大洋盆地的过渡地区。

关键词: [稀土族](#) [海相](#) [硅岩](#) [沉积环境](#)

RARE EARTH ELEMENTS:THE EFFECTIVE INDICATOR OF DEPOSITIONAL ENVIRONMENTS OF MARINE CH
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Fund Project:

Abstract:

Researches on seawater REE over the world indicate that REE in the seawater from various environments exhibit a certain extent. Marine siliceous deposits also exhibit a similar REE pattern to those of their surroundings. Ce anomaly is the most obvious marker. As shown by studies on REE in the ancient cherts of the known continental-margin environment exhibit slight negative Ce anomaly or positive Ce anomaly, while cherts from the mid-oceanic ridge environment exhibit obvious Ce anomaly, while cherts from the mid-oceanic ridge environment exhibit obvious Ce anomaly. Therefore the characteristics of the chert REE pattern can be used to distinguish different depositional environments. According to the Ce anomalies, the thickbedded cherts occurring extensively in the Cretaceous southern Jiangxi are inferred to be formed in a transitional zone between the continental margin and the ocean basin.

Keywords: [chert](#) [depositional environment](#) [rare earth element](#)

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