

## 运用地球化学分析研究潜江凹陷潜江组沉积环境

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中文摘要:运用同位素及粘土矿物的沉积地球化学特征在沉积环境方面的指示意义分析了潜江凹陷潜江组硫、碳、氧同位素及粘土矿物,结合层序地层学分析,对其演化规律与沉积环境关系进行了探讨,认为硫、碳、氧同位素值及粘土矿物的高低变化与气候的变化和沉积环境的变化具有很好的相关性;潜江凹陷潜江组的沉积环境是一个封闭的较高盐度的陆相咸化湖沉积环境.

中文关键词:[碳同位素](#) [氧同位素](#) [硫同位素](#) [粘土矿物](#) [沉积环境](#)

## The Application of Geochemical Analysis to the Study of Sedimentary Environment of Qianjia Formation in Qianjiang Depression

**Abstract:**Using the geochemical indicating significance of S,C,O isotopes and clay minerals in the sedimentary environment,the authors have studied geochemical characteristics of isotope composition and clay minerals of Qianjiang Formation in Qianjiang Depression.Based on the sequence stratigraphy analysis,this paper deals with relationship between geochemistry and sedimentary environment.It is concluded that the variation of S,C,O isotopes and clay minerals is correlatable with the change of sedimentary environment,and that the sedimentary environment of Qianjiang Formation in Qianjiang Depression is an obstructed saline lake of inner land.

**keywords:**[sulfur](#) [carbon](#) [oxygen](#) [isotope](#) [clay minerals](#) [sedimentary environment](#)