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层间氧带砂岩型铀矿床的铁物相特征及其地球化学意义——以伊犁盆地511铀矿床和吐哈盆地十红滩铀矿

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摘要：

层间氧化带砂岩型铀矿床在空间上与层间氧化带各亚型的分布具有严格的对应关系。铁元素的物相特征是志，FeFe2O3/TFe,Fe(FeCO3 FeS2)/TFe,FeFe2O3/Fe(FeCO3 FeS2)等比值是反映地球环境变化的重要指标，应用简捷地对层间氧化带进行亚带的划分，这对指导铀矿勘查具有重要理论和实践意义，过渡带中菱铁矿（FeCO3)和境敏感的矿物的富集，指示了有利于铀成矿的中性－弱酸性，还原的地球化学环境。

关键词：层间氧化带 砂岩型铀矿床 铁物相 地球化学 黄铁矿 菱铁矿

Characteristics and Geochemical Significance of the Ferrum Phases in the Shihongtan Zone Sandstone Type Uranium Deposit Download Fulltext

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Abstract:

The interlayered-oxidation zone sandstone type uranium deposits correspond spatially to the interlayered-oxidation zone. The phases of ferrum are sensitive indicators of the geochemical env FeFe2O3/Total Fe, Fe(FeCo3+FeS2)/Total Fe, FeFe2o3/Fe(Feco3+Fes2)Fe ratios are important paramete geochemical environment. Using the phases of ferrum and the parameters above to divide the subzon oxidation zone has both theoretical and practical significance in prospecting for u-ranium deposi enrichment of minerals such as siderite and pyrite, which are sensitive to geochemical environmen indicates that the geochemical environment is neutral-acidic and reductive and is propitious to t

Keywords:interlayered-oxidation zone sandstone type uranium deposit ferrum phases geochemistr

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