

**TABLE OF CONTENTS****目 录**

**新生代推覆构造对滇西鹤庆锰矿床的改造与破坏及矿区找矿模型探讨**

**Reconstruction and Destruction of Cenozoic Nappe Structure on Heting Manganese Deposit in Western Yunnan and Discussion on Ore Prospecting Model**

张金学, 梁元钊, 刘文佳..... 409

**零价铁类芬顿体系氧化降解有机物的研究进展**

**Research Progress of Organic Compounds Degradation by Fenton-Like System Based on Zero-Valent Iron**

梁文, 周念清, 代朝猛, 段艳平, 涂耀仁..... 426

**衬膜水稻技术对荒漠化土壤微生物多样性的修复效果研究**

**Research on Remediation Effect of Paddy in Film-Bottomed Sandy Land Technology on Microbial Diversity in Desertification Soil**

付金晶, 安迪, 孙琳, 欧阳, 梁雷..... 435

**四川地区的地震定点地球物理观测状况研究**

**Research on the Status of Fixed-Point Geophysical Observation of Earthquakes in Sichuan Area**

邱桂兰, 陈学芬, 赵航, 黄雪影..... 449

**橄榄石的研究现状及其地质学意义**

**Research Status of Olivine and Its Geological Significance**

张琦..... 459

**页岩气侧钻水平井油基泥饼固化剂性能评价与现场试验**

**Performance Evaluation and Field Test of Oil-Based Mud Cake Solidification Agent for Shale Gas Sidetracking Horizontal Wells**

尹德灿..... 465

**萤石的研究现状及其地质学意义**

**The Research Status of Fluorite and Its Geological Significance**

张紫桐..... 473

**高密度电法在塌陷区勘查中的应用**

**Application of Electrical Resistivity Imaging in Collapse Area Exploration**

罗晨..... 480

**基于冲激响应原理的步进频率探地雷达信号快速正演模拟及融合**

**Fast Forward Simulation and Fusion for Stepped Frequency Ground Penetrating Radar Signal Based on Impulse Response Theory**

刘东洋, 肖建平..... 487

贵州德江隧道区岩溶蓄水构造特征及涌水量预测

**Characteristics of Karst Water Storage Structure and Prediction  
of Water Inflow at the Dejiang Tunnel in Guizhou Province**

靳俊奇, 杜毓超, 左杰, 王国丰.....497

宇宙线  $\mu$  子成像技术研究进展

**Research Progress of Cosmic Ray Muon Muography Technology**

杨紫艳, 王鹤, 张荣庆, 刘威.....505

海拉尔盆地乌尔逊凹陷早白垩世沉积特征和沉积 - 构造演化

**Early Cretaceous Sedimentary Features and Sedimento-Tectonic  
Evolution of the Urxun Sag, Hailar Basin**

吴根耀, 朱德丰.....514

益阳市红星金矿成矿规律与找矿标志研究

**Research on Metallogenic Regularity and Prospecting  
Criteria of Hongxing Gold Deposit in Yiyang City**

刘石宏, 程键, 邓德虎.....532

以地震为主的无井区生物礁潜力评价

**Potential Evaluation of Reef in No Well Area by Seismic**

魏艳, 李华科, 王海军.....541