

CONTENTS

Feature of This Issue

- Comprehensive prospecting information characteristics and prospecting prediction of pegmatite type lithium deposits in Karakoram area, Xinjiang HUANG Lishan, ZHU Jinghe, HU Xiangyun, JING Linhai, DING Haifeng, PEI Chao, ZHOU Qiming, ZHAO Like, YANG Ying, TANG Yuhong, CHEN Changjing (1526)
- Lead zinc mineralization and prospecting model in the southwestern margin of the Yangtze Platform ZHANG Changqing, ZHENG Yulin, LI Yanglin, WU Yue, KONG Zhigang, LIU Huan, LOU Debo, HAN Runsheng, LI Bo, WU Peng (1545)

Economic Geology

- The fluid inclusions study on Meixian Pb-Zn deposit in Fujian Province LI Qiuji, SUN Xuejuan, NIE Shunyi, JIN Xin, WU Zhiqiang (1570)
- Geology, sulfur and lead isotope characteristics and deep ore exploration prediction of Tieshilong lead-zinc deposit in Chenzhou, Hunan Province ZHU Wenbing, WEN Chengxiong, GUO Aiming, GUAN Baicheng, XIAO Rong, ZHANG Yizhou, DU Yun, CAI Yi, CHEN Zhichao (1584)
- Carbon and oxygen isotopic characteristics and metallogenic mechanism of Dongchuan copper belt in Yunnan Province ZENG Ruiyin, WANG Meng, WANG Huan, ZHU Xinyou, ZHANG Xiong, WANG Diheng (1595)
- Comparative study on the mineralization of Danchi tin metallogenic belt in northwestern Guangxi and Southeastern Asia Tethys tin metallogenic belt WEI Qifeng, JIANG Junsheng, WU Yue, ZHANG Haikun, CHENG Xiang (1604)
- Progress and main achievements in the exploration of tungsten-tin polymetallic deposit in Xitian-Dengfuxian ore cluster area, Hunan Province CHEN Mei, WU Shichong, ZHANG Xiong, XIONG Yiqu (1614)
- Geochemical characteristics of elements and geological significance of the Xiongwu gold deposit in Southwest Guizhou SONG Weifang, LIU Jianzhong, WU Pan, XIE Zhuojun, WANG Zepeng, YANG Chengfu, ZOU Yuanbing, XIONG Yangfu, CHEN Song, LIU Xingping (1621)
- Study on element geochemical characteristics of the Yinjiagou pyrite-polymetallic deposit, western Henan Province LIU Yugang, FENG Shaoping, ZHANG Sukun, WANG Xiaotao, ZHANG Yijing, CHENG Beilei, WEN Long (1630)
- The distribution characteristics and resource potential of light rare earth, lithium and gallium minerals associated with the undercoals bauxite deposit west of Caoyao DONG Huaxiang, XIE Xiang, YU Minggao, CHEN Yong (1641)
- Shale gas reservoirs characteristics and sweet spot selection of Taiyuan Formation in Zhongmou area, the South of North China Basin WANG Chao, YUAN Qingsong, SUN Jun, FENG Hui, ZHAO Baishun, DONG Guoguo, WANG Zhongying (1652)

Overseas Exploration

- Analysis of the distribution characteristics and genesis of platinum-group element deposits in the Great Dyke of Zimbabwe LI Si, LI Dongyue, LU Jia, HE Xu, CAI Houan, ZHANG Pubin (1661)

Exploration Technology

- The relationship between thermal conductivity and resistivity of rocks and its significance in ore prospecting—An application example of Mesozoic W-Sn polymetallic deposits in southern Hunan Province LI Houmin, LI Lixing, LI Xiaosai, MA Shouxian, BI Minfeng (1669)
- Application of five-direction borehole TEM in the exploration of Yueyawan copper-nickel deposit in East Tianshan, Xinjiang..... LIU Yang, XU Fei, KE Guoqiu, YING Zhichao (1676)
- Study on location optimization and drilling technology of 2000 m deep drilling in Shanggong gold orefield, western Henan Province WANG Lifeng, LIANG Xinhui, CHANG Jiayi, TIAN Haitao, DONG Liwei (1683)

Technical Method

- Application of resource estimation based on the Inverse Distance Weighting (IDW) method..... XIE Hui, GAO Bangfei, CHEN Xinghai, ZHANG Zuolun, MA Heng, WU Mianli (1693)
- Application of QGIS coordinate conversion function in geological work..... HE Jiyu (1705)

Hydrogeology, Engineering and Environmental Geology

- Research on the deformation law of a subway foundation pit supporting structure in Nanning ZHAO Rui, DENG Fei, WEI Ran, LI Xiaolin, FU Hongqi (1713)
- Analysis of the diversion length of the two-layer and three-layer capillary barriers on slopes based on model tests..... ZHAO Zhipeng, JING Ming, HUANG Yajun, LYU Zhiqiang (1722)
- Suitability evaluation of urban construction in Taigu County, Jinzhong City..... ZHANG Jianguo, YANG Zian, LU Jia, WANG Lei, Du Bin (1731)
- Research on multi-time-series remote sensing monitoring and analysis of construction land in the northern foot of Qinling Mountains based on FCN algorithm ZHAO Yanling, XIE Tao, RONG Hao, HAO Xuanjie, YANG Zhangyu, LI Ning (1740)
- Study on land reclamation of rare earth mines in Dechang continental trough, Sichuan..... ZHU Liye, LIU Yuqing, YAN Bing, YIN Chuan, YAN Han, JIANG Haiyun (1749)
- Evaluation of ecological resources and environment of non-ferrous metal resources base in the western section of southwest Tianshan Mountains, China LU Jia, WANG Lei, FANG Weixuan, ZHANG Jianguo (1759)
- Geochemical characteristics and influencing factors of soil Selenium in the southwest of Suixian, Henan Province YAN Shaoquan, GAO Yaoguang, YUAN Guantao (1766)