Mineral Exploration

2026 Vol.17 No.7

Contents

General Geology

Evaluation of paleontological fossils in Liujiang Basin of Qinhuangdao based on AHP and SWOT model analysis …… HAN Lu, XIE Fenquan, YUN Jie, DU Xinyu, HU Zhizhong, XIAO Wenzhou, WANG Shuzhi(1127)

Economic Geology

Gold mineralization characteristics and genesis in the Wulansuhai area, Ejina Banner, Inner Mongolia ……JIA Runxing, YIN Yanguang, FANG Weixuan, HU Longhua, LI Shuguo, ZHANG Kai, LI Jianjun(1141)

Deep mineralization prediction of Guanyinshan lead-zinc polymetallic deposit in Jiulong County, Sichuan Province: S isotope and pyrite thermoelectricity evidence …… ZENG Li, TIAN Yuke, LIN Xiaoyu, DENG Yuanwen, ZHANG Yan, PENG Xiuhong(1151)

Study on geochemical characteristics and sources of ore-forming materials of hydrothermal iron ore in Weining Beishan area, Ningxia …… MA Cheng, LU Maoxin, LI Tong, WANG Donggang, HE Qingzhi, MA Fenghua, WANG Cheng, MA Lirong(1165)

Characteristics and geological significance of the ore-forming fluids of the Wangu gold deposit in northeastern Hunan Province …… WU Shenggang, ZHOU Xiong, WANG Wenxiang, GUO Jinlong, ZENG Qingyu, YANG Shipeng(1177)

Geothermal geological characteristics and development suggestions of the Longjiabao Area in the Mayang Basin …… JIANG Feijun, QING Guoping, YANG Chao, XU Xiaoliang, QING Yanbin, DU Jiang(1190)

Study on seismic response characteristics of sand bodies: A case study of the southwest of Songliao Basin …… ZHANG Zhanbin, ZHANG Wei, WEI Bin, NING Yuanli, ZHAO Wei, YANG Xiaoliu, LI Yingbin, QI Cheng(1201)

Exploration Technology

Application of transient electromagnetic method based on 3D modeling and multi-source data fusion in aquifer detection: A case study of Yushuquan coal mine ……HU Yueqiang, ZHOU Lei, ZHOU Yao, GUO Honghai, ZHANG Yongtao, YIN Kai(1210)

Application research of high-precision magnetic measure ment in enhancing storage of Changning iron mine in Hebei Province ……LI Yankang, NIU Zhiguo, GAO Lisuo, TIAN Jinlong, ZHAO Jinxia(1219)

Technical Methods

Research on the analysis of investment evaluation factors and the construction of an evaluation indicator system for mining projects …… HE Xuezhou, ZHANG Zhenfang, CHEN Xiufa, ZHANG Weibo, WANG Yanggang, LI Yulong, WANG Liangliang(1231)

Hydrogeology, Engineering and Environmental Geology

Refined evaluation of slope geological hazard susceptibility in Weixi County based on Logistic-BP coupling model ……ZHAO Peng(1240)

Study on the regional eological hazards susceptibility and risk assessment: A case study of Qian′an City …… ZHOU Yiwen, ZHAO Degang, MA Bingtai, LIANG Shuang, HAO Yinbo, WANG Yang, YE Yingying(1252)

EOD-driven ecological restoration mechanisms and implementation routes of historically abandoned mines … WU Bin, HUANG Yuhan, DU Bin(1262)

Immobilization efficiency and stability of sludge-derived biochar in agriculutural soils co-contaminated with molybdenum and cadmium in a mining areas of Western Henan …… WANG Xiaoqing, CHEN Xiaoyan, LIAN Mingming, WU Mingming, ZHANG Chi, ZHANG Zhe(1273)

Exploration management

Progress and prospects of global marine energy and mineral resource exploration and development …… HUANG Xianying, ZHOU Xin, ZHANG Xue, MA Shaoqiang(1284)