

In this study, the rockburst characteristics in Linglong gold mine are first investigated. A strain energy density index is introduced to evaluate the energy release regime ...

Strain energy is a key factor of inducing rockburst in mine. The occurrence of rockburst depends not only on the property of storing strain energy in rocks, but also on the ...

Abstract The Linglong gold deposit is a super large deposit in the Linglong goldfield, northern Jiaodong Peninsula. The orebodies consist of hundreds of auriferous quartz ...

In order to solve the issue of heat damage in the Linglong Gold Mine, a cooling system based on water source heat pump technology and utilizing the return air system to exhaust heat was ...

Abstract: To predict rock burst in deep mining excavation in Linglong gold mine, systematical laboratory tests of mechanical properties of rock, in situ stress measurement and 3-D FEM ...

Massive drill bits tear into ancient rock formations as gold mining operations deploy an arsenal of cutting-edge drilling and blasting equipment to access ...

With an increase in mining depth, rockburst is becoming an important problem in roadways of Linglong gold mine, where the overburden is up to 1000 m. Field observations ...

The rock burst belongs to a serious engineering geological disaster among the underground and deep resource exploitation engineering. The prediction of rock burst intensity ...

Aiming at the problem of heat damage in the Lingbei transportation tunnel at the Linglong Gold Mine's -870 m level, a local cooling system based ...

The Linglong gold ore field is situated in the northwestern region of the Jiaodong gold province, China, with over 1000 tons of gold resources. Although the metallogenic ...

Rockbursts are a common occurrence in underground excavations, such as those for water conservancy and hydropower projects, traffic tunnels, deep mining, and underground ...

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How about the Linglong Gold Mine rock drill

These drills eliminate the need for explosives, which in turn eliminates the need for time-consuming ventilation and evacuation measures while promoting a ...

The Linglong property comprises 3 mining areas (Xishan, Jiuqu and Lingshangou), located in Linglong Town, Zhaoyuan City, Shandong province. Currently using ...

The Linglong gold field in Jiaodong is well known for its quartz-vein-type gold deposits. However, recent deep exploration has revealed large altered rock-type gold ...

The Jiaodong Peninsula hosts the main large gold deposits and was the first gold production area in China; multisource and multiscale geoscience ...

We offer a wide range of exploration drilling rigs, which are designed to meet many different requirements and needs; including, ore body definition, reserve evaluation, ground ...

The second type is lamprophyre (RS09-024) from the underground mining levels in the Yinggezhuang and Jinqingding gold deposits (Linglong style) and belong to the ...

Quartz vein type gold deposit, related to the Mesozoic Yanshanian Linglong granite that intrudes rocks of the Archean Jiaodong Group. Over two hundred ...

The Jiaojia Gold Mine, situated in Shandong Province, China, is renowned for its substantial gold reserves and intricate geological framework. The deposit is primarily hosted at ...

Linglong gold deposit, located 20 km northeast of Zhaoyuan, Shandong, is a quartz vein type gold deposit. Its veins are controlled by Linglong and Batouqing fault, and vein ...

Based on the measured in-situ stress data (Table 1), seven mines, namely Sanshandao gold mine, Xincheng gold mine, Linglong gold mine, Pingdingshan No. 1 mine, ...

Here, we present the results of a comprehensive geological, geochronological, and geochemical study of the gold mineralized Xiejia diorite ...



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