

论文

金属矿产资源的深部找矿、勘探与成矿的深层动力过程

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摘要 世界上任何一个国家或地区, 在科学与技术的进步, 社会与经济的发展进程中, 无一例外的必须以大量的, 各种类型的金属矿产资源为后盾. 当今我国正处在快速工业化和经济腾飞的前夜, 国内矿产资源供给不足, 且紧缺, 故对外的依存度日益增大. 为此, 在多元化共享世界资源的同时, 必须以本土资源为本, 并迅速建立起安全、可靠与稳定供给的重要金属矿产战略后备基地. 本文基于金属矿产资源形成和聚集的深部介质和构造环境, 深层过程和动力学响应的新认识, 并分析和讨论了国内、外已发现的深部金属矿床实例. 据此提出: 必须迅速强化进行地壳内部第二深度空间 (500~2000 m) 高精度地球物理找矿、勘探和深入研究深部物质与能量的交换与矿产资源形成的深层动力过程.

关键词 [深部物质与能量的交换](#) [金属矿产资源形成的深层过程](#) [动力学响应](#) [第二深度空间的找矿、勘探](#) [高精度地球物理方法与技术](#)

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Deep discover ore、exploration and exploitation for metal mineral resorces and its deep dynamical process of formation

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Abstract The advance of science and tecndogy, develop of society and economy for any countris and areas in the word must be the backing for great quantity and all kinds metal mineral resources. China is just the eve for rapid industrialization and economic prance, but internal supply havent't enogh and very deficency at the present time, so result in makes increas unceaslu of the dependent degrece on aborad. Therefore use word's mineral resources by many way at the same time, determined to have a foothold in national resources and rapid to building the strategic reserve base of matal mineral resurces for safety, reliable and stable supply. In view the new understand; for deep medium and structural environment、deep process and dynamic response for formation and acomulation of metal minearal resoreces, we are analysed and discused a few fact examples for deep metalliferous deposit of China and abroad. According to these suggest; ① must be rapid strengthen develop discover ore、exploration of metal mineral resources in second deep space (depth: 500 m to 2000 m) by geophysical method and tecnology of high precision, ② go deep into study the substance and energy exchanges in depths and its deep dynamic process of formation of metal mineral recorces.

Key words

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