



李水如, 王登红, 梁婷, 屈文俊, 应立娟. 广西大明山钨矿区成矿时代及其找矿前景分析[J]. 地质学报, 2008, 82(7): 873-2008-01-30

广西大明山钨矿区成矿时代及其找矿前景分析 [点此下载全文](#)

[李水如](#) [王登红](#) [梁婷](#) [屈文俊](#) [应立娟](#)

中国地质大学资源学院; 中国地质科学院矿产资源研究所, 中国地质科学院成矿作用与资源评价重点实验室; 长安大学成矿作用及其动力学开放实验室; 国家地质实验测试中心; 中国地质科学院矿产资源研究所, 中国地质科学院成矿作用与资源评价重点实验室

基金项目: 本文为国家科技支撑计划“南岭地区有色 贵重金属成矿潜力及综合探测技术示范研究”课题(编号2006BAB01A01)、中国地质调查局“中国成矿体系综合研究”项目(编号1212010733803)、“我国重要矿产和区域成矿规律研究”(编号1212010535804)、危机矿山接替资源勘查项目计划“广西南丹铜坑锡矿接替资源勘查项目”(200545022)等项目资助的成果

DOI:

摘要点击次数: 257

全文下载次数: 131

摘要:

本文选择广西大明山钨矿区含石英英脉中的辉钼矿和马岭矿区钻孔岩心中辉钼矿进行了 Re-Os 法

关键词: [大明山钨矿](#) [成矿时代](#) [找矿前景](#) [辉钼矿Re-Os法](#) [“四位一体”](#) [丹池成矿带](#)

Metallogenic Epochs of the Damingshan Tungsten Deposit in Guangxi and Its Prospecting Potential [Download Fulltext](#)

[LI Shuiru](#) [WANG Denghong](#) [LIANG Ting](#) [OU Wenjun](#) [YING Lijuan](#)

Resources Department, China University of Geosciences; Key Laboratory of Metallogeny and Mineral Resource Assessment, Institute of Mineral Resources, CAGS; Chang'an University; National Research Center of Geoanalysis; Key Laboratory of Metallogeny and Mineral Resource Assessment, Institute of Mineral Resources, CAGS

Fund Project: 本文选择广西大明山钨矿区含石英英脉中的辉钼矿和马岭矿区钻孔岩心中辉钼矿进行了 Re-Os 法

Abstract:

In this article, Re-Os dating of molybdenites from the ore-bearing quartz vein in the Damingshan mining district and the drilling core in the Maling mining district of Guangxi Province, presents the isochron age of 95.40 Ma for Damingshan and the model age of 95.00-95.79 Ma for Maling, indicating the consistent metallogenic epochs in the two districts. The results also indicate that the mineralization in the Danchi metallogenic belt from the southern section of Damingshan ore field to the northwestern section of Dachang ore field (the metallogenic epochs of No. 90 and No. 100 orebodies both concentrated around 94.5 Ma) occurred in the Late Yanshan Age. Considering widespread contemporaneous mantle-derived magmatic rocks in the Danchi metallogenic belt and its regional geotectonic setting, the mineralization might be pertinent to the uprising of mantle source mass along deep faults connected with the mantle. Such the geodynamic background makes the Danchi metallogenic belt great potential for prospecting. The Damingshan tungsten deposit contains four occurrences of tungsten veins: the vertical large vein type, the slightly dipping quartz vein type, the network type and the rock mass type, forming a unique model of "four types in one deposit". It is worth noticing that much attentions should be given on the tin-multiple metals except tungsten in the Damingshan ore field and the tungsten except for the tin and zinc-lead-multiple metals in the Dachang ore field. Therefore, the model of Damingshan will give a guide for exploration in southern Hunan and southern Jiangxi.

Keywords: [Damingshan tungsten deposit](#) [metallogenic epoch](#) [prospecting potential](#) [Re-Os dating of molybdenite](#) [the "four types in one position" model](#) [Danchi metallogenic belt](#)

[查看全文](#) [查看/发表评论](#) [下载PDF阅读器](#)

