

王登红. 新疆阿舍勒铜矿区双峰式火山岩与成矿背景的初步研究[J]. 地质论评, 1996, 42(1): 45-

新疆阿舍勒铜矿区双峰式火山岩与成矿背景的初步研究 [点此下载全文](#)

[王登红](#)

中国地质科学院矿床地质研究所 北京

基金项目:

DOI:

摘要:

新疆阿舍勒铜矿是我国近十多年来找到的一个大型海相火山岩型块状硫化物多金属矿床, 在经济上和矿床学上都有重要意义。阿舍勒铜矿的容矿岩是早—中泥盆世阿舍勒组海相火山岩, 具特征的双峰式组合, 缺少含 SiO₂ 54%—61% 的中性岩, 在地表和钻孔都经常见到基性与酸性火山岩紧密互层现象。稀土和微量元素地球化学表明基性、酸性火山岩来自两个不同的源区。矿石铅同位素组成与细碧岩一致, 硫同位素呈典型塔式分布, 表明成矿物质

关键词: [双峰式火山岩](#) [铜矿床](#) [成矿环境](#) [矿床构造](#)

DEVONIAN BIMODAL VOLCANIC ROCKS AND METALLOTECTONIC ENVIRONMENT OF THE ASHELE COPPER DISTRICT IN XINJIANG [Download Fulltext](#)

[Wang Denghong](#)

Fund Project:

Abstract:

The Devonian marine spilite-keratophyre association in the Ashele copper deposit, Xinjiang, bears typical characteristics of bimodal volcanic rocks, because basic and acid volcanic rocks may be often found to alternate closely with each other on the surface and in cores of drill holes and intermediate rocks with 54%-61% SiO₂ are lacking, especially in the Early-Middle Devonian Ashele Formation which hosts bedded copper orebodies. Rare earth element and minor element geochemistry of bimodal volcanic rocks indicate that the basic and acid volcanic rocks originated from different sources rather than a common magma chamber. The lead isotopic composition of ores is consistent with that of spilite, and sulfur isotopes show a distribution of tower type, illustrating that both ore-forming and rock-forming materials were derived from depths. So the Ashele Cu-Zn polymetallic ore deposit is of a volcanic-type massive sulfide deposit, controlled by continental-margin marine bimodal volcanism occurring in an extensional setting in the Devonian.

Keywords: [bimodal volcanic rocks](#) [metallotectonic environment](#) [rifting](#) [volcanic-type massive sulfide Cu deposit](#) [Ashele](#) [Xinjiang](#)

[查看全文](#) [查看/发表评论](#) [下载PDF阅读器](#)

您是第**693104**位访问者 版权所有《地质论评》

地址: 北京阜成门外百万庄路26号 邮编: 100037 电话: 010-68999804 传真: 010-68995305

本系统由北京勤云科技发展有限公司设计

