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云南马厂箐斑岩型铜钼(金)矿床地质特征与矿床成因

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摘要：

滇西马厂箐铜钼(金)矿床是与喜马拉雅期富碱侵入岩体有成因联系的内生金属矿床。铜钼金成矿与马厂箐
近或稍晚。蚀变矿化和元素组合具有明显地分带性：岩体内发育斑岩型铜钼矿化，岩体与围岩接触带产出接触交
则产出浅成低温热液型金、银、铅锌矿化。铜钼矿化主要发育在石英钾长石绢云母化蚀变带中。这些不同成矿作
型、蚀变类型和元素组合分布上连续递变，清晰地展现出成矿流体从岩浆中分凝出来并在向外运移的路径上淀积
究表明，喜马拉雅期富碱侵入岩提供了成矿物质和成矿流体，铜钼金成矿属于同一个构造 岩浆 成矿系统在不
碱侵入伴驱动，成矿作用由斑岩体内部向接触带和围岩地层推进，矿化类型、围岩蚀变和元素组合反映出成矿流
势。

关键词：富碱侵入岩体 地质特征 矿床成因 马厂箐铜钼金矿床

Machangqing Porphyry type Cu Mo Au Deposit,Yunnan Province: Geological Characteri Genesis

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Fund Project:

Abstract:

Machangqing Cu Mo Au deposit is one of the deposits which have a close genetic relation w
intrusive in western Yunnan Province. The Cu Mo Au mineralization is spatially and temporally a
Machangqing intrusive. There are distinct zonations of alteration, mineralization and the element
Cu Mo mineralization inside the intrusive, contact metasomatic type Cu Mo Au mineralization
the intrusive and surrounding rock, epithermal Au Ag Pb Zn mineralization in wallrock, and Cu
the alteration zone of quartz K feldspar sericite of intrusive. The spatial and temporal relat
types of mineralization and alteration, and the distribution of element association display that
from magma crystallization accumulated along the path while migrating outward. Isotopic geochemis
Mo Au deposits may be the products of the same magmatic tectonic metallogenic system under diff
conditions. Alkaline intrusive rock in Himalayan provided ore forming material and fluid, and th
for deposit formation, which is reflected by the alteration change from the interior of porphyry
country rock. The types of mineralizatin, alteration of the country rock, as well as element asse
process from high temperature to low temperature suggesting an indispensable result of magmatic e

Keywords:alkali intrusive geological characteristics deposit genesis Machangqing Cu Mo Au d