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基金项目: 本文由“十一五”国家科技支撑计划课题(编号 2006BAB01A11)资助的成果。

DOI:

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摘要:

徐家沟铜矿床位于勉(县)略(阳)阳(平关)铜多金属矿化集中区中部的铜厂矿田西北部, 矿体产于细碧岩带内, 已圈定铜矿体13条, 多为盲矿体。矿石主要自然类型为黄铁矿化 磁黄铁矿化 片理化细碧岩型铜矿床。郭家沟组中的细碧岩为铜的主要矿源岩, 细碧岩中的近东西向构造片理化带为矿质富集提供了富集矿提供了动力、热源和主要硫源, 成矿受上述地层岩性、构造、岩浆岩因素联合控制。

关键词: [铜厂矿田](#) [徐家沟铜矿床](#) [地质特征](#) [控矿因素](#)

Geological Characteristics and Controlling Factors of the Xujiagou Copper Deposit in Shaanxi Province, China [Download Fulltext](#)

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Abstract:

Xujiagou copper deposit lies in the northwest of Tongchang ore field in the central Mianxian copper polymetallic mineralization intensive area. The ore body is hosted within the schistose spilite of Proterozoic, and 13 orebodies have been delineated, but most of orebodies are blind. The mineralization includes pyritization, pyrrhotitization, schistosity, and spilite, indicating a volcanic sedimentary tectonic type copper deposit. The spilite of Guojiagou Formation is the source of copper mineralization. The schistose structure zone in spilite provides channels and space for enrichment of ore-forming materials, and provides mineralization with dynamics and thermal source, especially sulfur. The formation of the deposit is controlled jointly by the above-mentioned stratum, structure and intrusive rock.

Keywords: [Tongchang ore field](#) [Xujiagou copper deposit](#) [geological characteristics](#) [controlling factors](#)

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