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山东玲珑金矿石英成因矿物学研究及其找矿远景的确定 [点此下载全文](#)

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摘要:

玲珑金矿是我国目前最大、开采历史最久的含金石英脉型金矿之一。已有许多地质学者对其多方面进行了研究。石英, 仍有必要系统研究, 为这个老矿山的远景找矿和那些尚未勘探的石英脉的含矿性评价提供有用信息。

关键词: [金矿](#) [石英](#) [标型特征](#) [找矿远景](#)

GENETIC MINERALOGY OF QUARTZ AND ORE PROSPECT OF THE LINGLONG GOLD MINE, SHANDONG [Dc](#)

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Fund Project:

Abstract:

The Linglong gold mine is one of the oldest gold mines in China. Now it faces a crisis of reevaluation of the prospect of its two ore districts and the ore potentiality of quartz veins inspected. Based on a study of the occurrence, physical properties, crystal habits, micromorphology, inclusions, thermoluminescence and infrared spectrum of vein quartz, the typomorphic characters for quartz veins have been summarized. By comparison of the physicochemical conditions of vein districts during its formation, it has been found that ores of the Eastern Hill ore district show the features of its upper part while ores of the Western Hill ore district show the features of the orebodies of Linglong fault elevated the lower orebodies of the Western Hill ore district to the level of the upper Hill ore district after mineralization. It is concluded that the ore prospect at the deep levels of the Eastern Hill ore district is far more promising than that of the Western Hill ore district. This conclusion has been confirmed by explorational operation.

Keywords: [gold deposit](#) [quartz](#) [typomorphic character](#) [prospecting future](#)

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