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冀西北与偏碱性岩有关的金矿床地质特征及成因 [点此下载全文](#)

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摘要:

与偏碱性岩有关的金矿是我国金矿床的一种新类型, 本文从区域地质, 矿床地质、稳定同位素, 矿物流体包裹体, 微量元素, 稀土元素地球化学角度出发, 研究了河北省西北部的该类型金矿的地质特征, 探讨了这一新类型金矿床的控矿因素及形成机制, 并把研究区内与偏碱性岩有关的金矿床分为“工坪式”及“后沟式”两种, 研究结果证实, 该类型金矿属于与偏碱性岩有成因联系的岩浆热液型金矿床。

关键词: [偏碱性岩](#) [金矿床](#) [地质特征](#) [成因](#)

THE GEOLOGICAL CHARACTERISTICS AND ORIGIN OF GOLD DEPOSITS RELATED TO SUBALKALINE ROCKS IN NORTHERN HEBEI PROVINCE [Download Fulltext](#)

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Abstract:

Gold deposits related to the Shuiquangou-Hougou subalkaline rocks is a new type of gold deposit in China, which has attracted attention of many geologists. The gold deposits in the study area can be divided into two types: the Dongping type and the Hougou types. The petrological, petrochemical and geochemical characteristics of the subalkaline rocks show that the provenance of the rocks is the lower crust and upper mantle. One of the geological characteristics of the gold deposits is intense potash feldspar alteration. Several new minerals have been discovered in ores of the Dongping gold deposit. By means of studies of isotope geology, mineral inclusions and trace elements of the gold deposits in this area, it is considered that these deposits belong to magmatic hydrothermal gold deposits associated with subalkaline rocks.

Keywords: [subalkalic rocks](#) [gold deposits](#) [origin of deposits](#)

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