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韧性剪切带型金矿成矿模式 [点此下载全文](#)

[陈柏林](#) [董法先](#)

中国地质科学院地质力学研究所, 中国地质科学院地质力学研究所, 中国地质科学院地质力学研究所 北京 100081, 北京 100081, 北京 100081

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摘要:

剪切带型金矿是一种重要的金矿床类型, 深层次韧性剪切变形是金元素活化迁移过程之一, 导致含金动力变质热液形成, 中浅层次的韧脆性剪变形区是金元素聚集集成矿部位; 韧性剪切带的不同变形层次及其人断层岩类型制约着金矿化类型, 剪切带型金矿床具有成矿滞后, 空间规模差异, 物源指示差异, 韧性变形强度与金元素含量呈反相关等特征, 长期演化的韧性剪切带是剪切带金矿床形成并导致多种金矿化类型叠加, 形成大型金矿床的有利条件, 也是

关键词: [韧性剪切带](#) [金矿床](#) [成矿模式](#) [动力变质作用](#)

Ore-forming Model of Ductile Shear Zone Type Gold Deposits [Download Fulltext](#)

[Chen Bailin](#) [Dong Faxian](#) [Li Zhongjian](#)

Fund Project:

Abstract:

The ductile shear zone type gold deposit is one of important gold deposit types. Deep-level ductile shear deformation causes the element Au to be remobilized, forming Au-bearing tectono-metamorphic hydrothermal solutions, the medium- and shallow-level ductile-brittle deformation locus is the favorable site for gold accumulation. The types of gold mineralization are controlled by shear deformation levels and features of fault rocks. The important features of the ductile shear zone type of gold deposit are that mineralization occurs after the ductile shear deformational stage; gold orebodies mainly occur in some smaller ductile shear zones; ore elements are derived mainly from surrounding or deep-seated rocks; and the content of gold elements is negatively correlated to the ductile deformation intensity of the mylonite. The long-evolved ductile shear zone is the essential condition for forming shear zone type gold deposits or large gold deposits through su-perimposition of several gold mineralization types and is also the favorable area for looking for the shear zone type of gold deposit.

Keywords: [ductile shear zone](#) [gold deposit](#) [metallogenic model](#) [dynamo-metamorphic hy-drothermal solution](#)

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