

朱大岗, 吴淦国. 燕山地区中生代岩浆活动特征及其与陆内造山作用关系[J]. 地质论评, 1999, 45(2): 163-172

燕山地区中生代岩浆活动特征及其与陆内造山作用关系 [点此下载全文](#)

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基金项目: 原地质矿产部“九五”重点科技项目“燕山造山带造山作用过程及动力学机制”, 原地质矿产部地质力学开放研究实验室基金资助

DOI:

摘要:

本文将燕山地区广泛分布的中生代岩浆活动划分为4个阶段, 8个期次; 并对火成岩的基本类型, 产状, 分布和岩石化学特征进行总结, 分别阐述了火成岩和侵入岩形成的构造环境, 论述了构造运动导致的岩浆活动与陆内造山作用过程, 笔者着重指出, 多期次岩浆活动是造山运动的直接产物, 火成岩系列与岩石化学特征指示的构造环境表明, 燕山地区在中生代为一陆内造山带, 其构造演化的主要特征是反转构造发育。

关键词: [岩浆活动](#) [构造环境](#) [陆内造山作用](#) [燕山地区](#)

Features of Mesozoic Magmatic Activities in the Yanshan Area and Their Relations to Intracontinental Orogenesis [Download Fulltext](#)

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Abstract:

The widespread Mesozoic magmatic activities in the Yanshan area occurred in four stages and eight epochs. This paper summarizes the basic types, occurrences, distribution and petrochemical features of igneous rocks, discusses the tectonic environments for the formation of volcanic and intrusive rocks and expounds the magmatic activities brought about by tectonic movements and process of intracontinental orogenesis. The authors emphasize that multi-stage magmatic activities are the direct products of the orogenic movements. The tectonic environments indicated by the igneous rock series and petrochemical features suggest that the Yanshan area should be an intracontinental orogenic belt during the Mesozoic and its major feature of tectonic evolution is the development of reversal structure.

Keywords: [magmatic activity](#) [tectonic environment](#) [intracontinental orogenesis](#) [Yanshan](#)

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