

孙书勤,汪云亮. 玄武岩类岩石大地构造环境的Th、Nb、Zr判别[J]. 地质论评, 2003, 49(1): 40-47

玄武岩类岩石大地构造环境的Th、Nb、Zr判别 [点此下载全文](#)

[孙书勤](#) [汪云亮](#)

成都理工大学环工院 610059 (孙书勤, 汪云亮)
, 成都理工大学环工院 610059(张成江)

基金项目: 国家攀登计划(编号A30-09B), 四川省地学核技术重点实验室开放基金(编号HD-01)

DOI:

摘要:

本文通过研究Th、Nb、Zr的地球化学性质和判别机理, 根据世界上典型大地构造环境区玄武岩类的Th、Nb、Zr特征具有显著差异, 其比值位置很好地划分出来, 提出了判别玄武岩大地构造环境的Nb/Zr-Th/Zr双对数判别图, 试图能较好地地区分出大洋板内, 大陆板内及地幔热柱形成的玄武岩, 得出了玄武岩大地构造环境判别的标志, 指出了用Th、Nb、Zr判

关键词: [玄武岩](#) [大地构造环境](#) [Th/Zr-Nb/Zr判别图](#) [元素地球化学](#) [钍](#) [铌](#) [锆](#)

Discrimination of the Tectonic Settings of Basalts by Th, Nb and Zr [Download Full Text](#)

SUN Shuqin, WANG Yunliang, ZHANG Chengjiang Three Department, Chengdu University of Technology, Chengdu,

Fund Project:

Abstract:

Based on the Th, Nb and Zr data of basalts formed in the typical tectonic settings of the world, the principle of the geochemical discrimination of tectonic settings of basalts. The basalts of different tectonic settings are obviously different in the terms of Th, Nb and Zr. The types of tectonic settings are classified using Nb and Zr. A Th/Zr-Nb/Zr diagram is proposed to divide basalts of a series of tectonic settings, such as divergent oceanic plates, margin of convergent plates, oceanic plate interior, continental plate in

Keywords: [basalt](#); [tectonic setting](#) [Th/Zr-Nb/Zr diagram](#)

[查看全文](#) [查看/发表评论](#) [下载PDF阅读器](#)