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摘要:

应用U-Pb和二次离子探针(法国产SIMS 1270)U-Pb法对大别造山带核部桃园寨火山岩中的锆石进行了年龄测定。这一研究表明,大别造山带核部存在晚侏罗世—早白垩世火山活动和火山盆地,也说明在这一时期,该区的构造环境发生了转变,残存的火山地貌和标高,及相邻的北淮阳地区的中生代火山盆地及火山沉积物的厚度,推测其剥蚀深度约 3000 m

关键词: [大别造山带](#) [桃园寨火山岩](#) [锆石U-Pb定年](#)

U-Pb Zircon Dating and Its Geological Significance of the Taoyuanzhai Volcanic Rock, Dabie Orogenic Belt [Download Fulltext](#)

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Abstract:

Zircons from the Taoyuanzhai volcanic rock, central Dabie orogenic belt, Anhui Province, were dated by SIMS (1270) U-Pb methods. The eruption age is given at 129-136 Ma, suggesting a Late Jurassic to Early Cretaceous volcanic activity and volcanic basin in the area. It is also suggested that the tectonic environment was transformed in this period. The residual volcanic topography, the height above sea level, the thickness of volcanic sediments of the adjacent North Huaiyang Mesozoic volcanic basin, the erosion depth.

Keywords: [Dabie orogenic belt](#) [Taoyuanzhai volcanic rocks](#) [U-Pb dating](#)

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