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我国某些元古宙及早寒武世碳酸盐岩石的锶同位素组成 [点此下载全文](#)

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摘要:

本文报道了我国某些元古宙及早寒武世碳酸盐岩石锶同位素的测量结果, 样品采自蓟县中元古界和峡东震旦系样品54个测定数据。样品分析分别在澳大利亚国立大学和宜昌地质矿产研究所同位素实验室进行。取得的测定数据与样品形成时 $^{87}\text{Sr}/^{86}\text{Sr}$ 的初始值, 测定中用NBS-987和NBS-607标准物质监测仪器 $^{87}\text{Sr}/^{86}\text{Sr}$ 值的精度好于

关键词: [锶同位素](#) [碳酸盐岩石](#) [晚元古代](#) [早寒武世](#)

87Sr/86Sr DATA FOR SOME MIDDLE-LATE PROTEROZOIC TO EARLY CAMBRIAN CARBONATE ROCKS IN  
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Abstract:

This paper reports the results of determination of  $^{87}\text{Sr}/^{86}\text{Sr}$  ratios of some Middle-Late Proterozoic to Early Cambrian carbonate rocks in China. The samples were collected from the standard sections of the Middle Proterozoic Sinian-Early Cambrian in the East Yangtze Gorges respectively. The sample analyses were carried out in laboratories in Australian National University and the Yichang Institute of Geology and Mineral Resources, Chinese Academy of Geological Sciences. The data obtained were corrected for the Rb blank and the radiogenic  $^{87}\text{Sr}$  from initial  $^{87}\text{Sr}/^{86}\text{Sr}$  ratio for the formation of the samples was given. The reference materials of NBS-987 for monitoring the instrument condition and the analytical process. The precision of the measured  $^{87}\text{Sr}/^{86}\text{Sr}$  is better than 0.03%. A brief discussion is also made on the obtained data.

Keywords: [87Sr/86Sr data](#) [carbonate rock](#) [Middle-Late Proterozoic](#) [Early Cambrian](#)

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