

## 柴达木盆地北缘滩间山群的构造属性及形成时代

王惠初<sup>1, 2</sup>, 陆松年<sup>2</sup>, 袁桂邦<sup>2</sup>, 辛后田<sup>2</sup>, 张宝华<sup>3</sup>, 王青海<sup>3</sup>, 田琪<sup>3</sup>  
(1. 中国地质大学, 北京 100083; 2. 天津地质矿产研究所, 天津 300170;  
3. 青海省地质调查院, 青海 西宁 810012)

摘要: 滩间山群在柴达木盆地北缘构造带广泛发育, 以浅变质的中基性火山岩为主, 可见少量细碎屑岩和碳酸盐岩。其成岩背景过去多认为是陆内裂陷槽环境, 时代归属于晚奥陶世至志留纪。新近绿梁山地区的区调填图研究表明, 滩间山群的岩石组合具有岛弧背景的建造特点, 地球化学特征也显示了火山弧的构造属性; 区域特征及同位素年龄测试亦表明滩间山群很可能是寒武纪-奥陶纪的产物, 与超基性-基性岩体一起可构成一套早古生代蛇绿杂岩组合。

关键词: 柴北缘; 滩间山群; 构造背景; 形成时代 中图分类号: P534.4; P588.14+.5 文献标识码: A  
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### Tectonic setting and age of the "Tanjianshan Group" on the northern margin of the Qaidam basin

WANG Hui-chu<sup>1,2</sup>, LU Song-nian<sup>2</sup>, YUAN Gui-bang<sup>2</sup>, XIN Hou-tian<sup>2</sup>  
ZHANG Bao-hua<sup>3</sup>, WANG Qing-hai<sup>3</sup>, TIAN Qi<sup>3</sup>

(1. China University of Geosciences, Beijing 100083, China  
2. Tianjin Institute of Geology and Mineral Resources, Tianjin 300170, China  
3. Qinghai Institute of Geological Survey, Xining 810012, Qinghai, China)

Abstract: The "Tanjianshan Group" is widely distributed on the northern margin of the Qaidam basin. It consists dominantly of low-grade metamorphic intermediate-basic volcanic rocks, with small quantities of fine clastic rocks and carbonate rocks. Previously it was considered that this group formed in an intracontinental aulacogen during the Late Ordovician to Silurian. Recently, the regional mapping of the Lüliang Mountains indicates that the rock association of the Tanjianshan Group has the characteristics of a formation with the island-arc setting. Geochemical characteristics also indicate the tectonic attribute of an volcanic arc. Regional characteristics and isotope ages also suggest that this group is very likely to be the Cambrian-Ordovician product and combines with ultrabasic-basic rock to form an Early Paleozoic ophiolitic complex.

Key words: north margin of the Qaidam basin; Tanjianshan Group; tectonic setting; formation age