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[史晓颖](#)

中国地质大学地球科学与资源学院, 北京, 100083

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摘要:

珠峰地区的三叠系形成于大陆拉伸背景。自下而上可划分为12个三级沉积层序和5个层序组, 分属于2个中三叠统(250Ma), Anisian阶早期(约239Ma), Carnian阶初期(约231Ma)和Norian早期(约223Ma)的4个海侵事件最为重要。藏南地区在三叠纪经历了从泛大陆到大陆裂谷的构造演化, 早一中三叠世以陆表海盆地浅水环境为主, 晚三叠世晚期, 与长期全球海平面下降相伴随, 过量的陆源碎屑输入造成该地区由深水盆地转为河流作用明显的三叠世晚期。

关键词: [三叠系](#) [层序地层](#) [海平面变化](#) [旋回](#) [沉积演化](#) [西藏](#) [珠穆朗玛峰](#)

Triassic Sequence Stratigraphy and Sedimentary Evolution in the Qomolangma Area, South from Epicontinental Sea to Basin [Download Fulltext](#)

SHI Xiaoying China University of Geosciences, Beijing, 100083

Fund Project:

Abstract:

The Triassic in the Qomolangma area, southern Xizang(Tibet), was deposited under an extensional tectonic background from the Pangea supercontinent to continental rift. From the Induan to Rhaetian, 12 depositional sequences were recognized, which can be grouped into 5 sequence sets and belong to 2 mesosequence (2nd-order). 1 respectively at the beginning of the Triassic (ca. 250 Ma), Early Anisian (ca. 239 Ma), Early Carnian (ca. 231 Ma), and Early Norian (ca. 223 Ma), are particularly of significance and can be used as markers for stratigraphic correlation of the Triassic in the area. The study shows that during the Triassic the Qomolangma area experienced a sedimentary evolution from epicontinental sea to rift basin with the turning point at the Late Carnian (ca. 228 Ma). During the Triassic, the area was under epicontinental sea, with carbonate ramp to mixed shoal environments predominant. In the late Norian to Rhaetian, it manifested as a rapid basin filling process in the area. Coupled with sea level fall in the latest Triassic, the excessive terrigenous influx led to the shifts of environment from epicontinental sea to shore and finally to fluvial plain.

Keywords: [Triassic](#) [sequence stratigraphy](#) [sedimentary evolution](#) [Qomolangma area](#) [southern Tibet](#)