

朱光, 徐嘉炜. 下扬子地区沿江前陆盆地形成的构造控制[J]. 地质论评, 1998, 44(2): 120-129

下扬子地区沿江前陆盆地形成的构造控制 [点此下载全文](#)

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基金项目:

DOI:

摘要:

华北板块与扬子板块沿大别—胶南造山带的陆—陆碰撞使造山带侧的扬子板块成为前陆变形带, 并在其上发育了沿江前陆盆地。沿江前陆盆地初始继承性发育于下扬子区海退末期残留的陷区, 随后于黄马青期受北界滁河断裂与南界江南断裂的对冲控制而成为双向压隐型盆地。

关键词: [盆地](#) [沿江](#) [前陆盆地](#) [陆陆碰撞](#) [扬子板块](#)

Tectonic Control on Development of the Foreland Basin along the Yangtze River in the Lower Yangtze River Region [Download Fulltext](#)

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Fund Project:

Abstract:

Owing to continent-continent collision along the Dabie-Jiaonan orogenic belt between the North China and Yangtze plates, the Yangtze plate south of the orogenic belt became a foreland deformation belt, and a foreland basin along the Yangtze River was developed on the foreland belt. The foreland basin firstly appeared in a depression region which remained in the Lower Yangtze region during retrogression. The foreland basin became a double-pressured basin probably controlled by back thrusting along the Chuhe and Jiangnan boundary faults in the Huangmaqin period (T3). During deposition of the lower Xiangshan Group (J1), intense uplift of the Jiangnan uplift belt perhaps made the foreland basin migrate toward the north. During deposition of the lower Xiangshan Group (J1), the foreland basin shrank and became small separated basins before disappearance of the foreland basin. Angular unconformities between the Huangmaqin Group (T3h) and underlying strata, the Xiangshan (J1-2x) and Huangmaqin (T3h) groups as well as the Xiangshan Group (J1-2x) and overlying strata represent three intense compression deformation, and also possibly reflect three intense collision between the North China and Yangtze plates.

Keywords: [foreland deformation belt](#) [foreland basin along the Yangtze River](#) [continent-continent collision](#) [Yangtze plate](#) [Dabie-Jiaonan orogenic belt](#) [Jiangnan uplift belt](#)

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