

田洪水, 万中杰, 王华林. 鲁中寒武系馒头组震积岩的发现及初步研究[J]. 地质论评, 2003, 49(2): 123-131

鲁中寒武系馒头组震积岩的发现及初步研究 [点此下载全文](#)

[田洪水](#) [万中杰](#) [王华林](#)

[1]山东建筑工程学院, 济南250013 [2]山东第四地质矿产勘查院, 潍坊261021 [3]山东省地震局, 济南, 250014

基金项目: 山东省地质矿产局1:5万埠村幅区调项目(鲁地审发[1993]9号), 1:5万青驼幅与半程幅区调项目(鲁地

DOI:

摘要:

近几年在鲁中不同地区发现馒头组石店段中均有震积岩产出。震积岩形成于干燥的潮坪泻湖环境, 发育在强地震事件的泄水构造(地震成因泥晶脉)、液化卷曲变形、阶梯状小断裂、层内错断和液化网状裂纹等层内构造, 论证了不同地区震积岩的等时性。认为: 鲁中早寒武世末有一个地震活跃期; 地震序列属乔秀夫(1994, 2000)震序列的原地系统; 震积岩分布范围是约在510Ma前, 以古郯庐带为震中的强地震之7-11度烈度区。为区别于张垓代石旺庄期地震事件层, 将此地震成因地层名之为馒头期地震事件层。

关键词: [寒武系](#) [馒头组](#) [震积岩](#) [地震事件层](#) [山东](#) [地震序列](#)

Discovery and Preliminary Study on Seismites of the Cambrian Mantou Formation in the Area [Download Fulltext](#)

TIAN Hongshui, WAN Zhongjie, WANG Hualin 1) Shandong Institute of Architecture and Engineering, Jinan, Geology and Mineral Resources Exploration, Shandong, Weifang, 261021 3) Seismological Bureau of Shandong

Fund Project:

Abstract:

Seismites of the Shidian Member of the Cambrian Mantou Formation have been found in different Shandong Province in recent years. They were formed in a dry tidal flat lagoon environment, and developed in the Lower Cambrian. They have the characteristics of intra-layer structures recording strong seismic escaped structure of water (seismogenic micrite vein), liquefied fold deformation, micro-fault-graben etc. Through a comprehensive correlation of the strata, the isochroneity of seismites in different paper. It is considered that there was a seismic active period at the end of the Early Cambrian in Shandong. The seismic sequence belongs to the original position system of the vibrational liquefaction seismites put forward by Qiao Xiufu(1994, 2001a), and the distribution of the seismites was in a region 7-11 degree caused by some strong palaeo-earthquakes about 510 Ma ago, with the palaeo-Tancheng-Lujiazui seismic center. In order to be distinguished from the seismic event bed of the Neoproterozoic Shiwa central Shandong area, this earthquake-genetic stratum is temporarily named the seismic event bed of the Mantou Period.

Keywords: [seismites](#) [seismic event bed of the Mantou Period](#) [Cambrian](#) [central Shandong](#)

[查看全文](#) [查看/发表评论](#) [下载PDF阅读器](#)