

钟建华, 梁刚. 沉积构造的研究现状及发展趋势[J]. 地质论评, 2009, 55(6): 831-839

沉积构造的研究现状及发展趋势 [点此下载全文](#)

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基金项目:

DOI:

摘要:

本文简要的总结了近20年来沉积构造研究方面的成果, 从五个方面阐述了沉积构造的研究现状及发展趋势: ① 继续探寻新的沉积构造; ② 通过各种方法, 包括野外观察、物理模拟和数值模拟来探讨某些已有(老)沉积构造的成因。③ 纠正人们对某些沉积构造的成因及环境意义的过时或错误认识; ④ 重视软沉积物变形构造(soft sediment deformation structures)及流水逃逸构造(flow escape structures)和液化构造的研究; ⑤ 继续发掘和拓展沉积构造在沉积学研究(环境分析、层序地层学等)中的应用功能及范围。我国在沉积构造研究方面近年来成果不多, 需要迎头赶上。

关键词: [沉积构造](#) [软沉积物变形](#)

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Abstract:

This paper summarizes the achievements in the study of sedimentary structure in the last couple of decades. And the paper illustrates the situation of study and development tendency of sedimentary structure from five aspects: the first is to go on exploring new sedimentary structure; the second is to research the genesis of some existing sedimentary structure by a variety of methods, including field observation, physical modeling and numerical modeling; the third is to correct people's obsolete or wrong understandings on genesis and environmental implication of some sedimentary structure; the fourth is to put emphasis on the study of soft sediment deformation structures, flow escape structures and liquid structures; the twentieth is to go on discovering and expanding the application function and range of sedimentary structure in the study of sedimentology (environment analysis, sequence stratigraphy and so on). In China, achievements in the study of sedimentary structure are some poor in recent years, so it is worthwhile for us to forge ahead.

Keywords: [sedimentary structure](#) [soft sediment deformation structures](#)

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