

## 碳纳米管在分离科学中的应用研究进展

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## Research developments for the applications of carbon nanotubes in separation science

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摘要

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**摘要** 碳纳米管(CNTs)作为一种新型纳米材料已在材料、催化、吸附分离等诸多领域得到了广泛的应用。本文对近年来CNTs在分离科学中的应用研究进展进行了简要评述,主要讨论了CNTs在固相萃取、固相微萃取、膜萃取、色谱固定相和毛细管电泳固定相等方面的应用。

**关键词:** 碳纳米管 分离分析 综述

**Abstract:** As a novel nanomaterial, carbon nanotubes (CNTs) have been extensively applied in many fields such as material, catalysis, adsorption and separation, etc. The applications of CNTs in separation science, such as in solid phase extraction (SPE), solid phase microextraction (SPME) and membrane extraction, and as stationary phase for chromatographic separation and capillary electrophoresis (CE) are reviewed in the paper.

**Keywords:** carbon nanotubes (CNTs) separation analysis review

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