

اولین همایش ملی نانو تکنولوژی دزپا و کاربردها



محل برگزاری: همدان دانشکده شهید مفتح

۱۵ اسفند ۱۳۹۲



ارزیابان محیط زیست گلستانه اداره کل حفاظت محیط زیست استان همدان

Methods of coating by carbon nanotube and carbon nanocomposite - A review

E. Habibzare¹, M. Mirzaei^{2*}

¹Chemical Engineering Faculty, Mahshahr Branch, Islamic Azad University, Mahshahr, Iran
E-Mail: E.habibzare@yahoo.com

²Chemical Engineering Faculty, Mahshahr Branch, Islamic Azad University, Mahshahr, Iran
E-Mail: Mirzaei_fateme@yahoo.com Tel: 09127057112

Abstract

Recently, the use of nano materials have a great applications in many industries such as electronic. One of these nano materials be named carbon nanotube (CNT). CNT have a great thermal and electrical properties. Because of unique features of CNT, the use of CNT attract researcher's attention. Process of coating involves application of thin film of functional material to a substrate. So in this paper we have a study and discuss about researcher's results base on the use of CNT for coating the substrates.

Key words: Carbon nanotube, Carbon nanotube-polytetrafluoroethylene nanocomposite, carbon nanotube/TiO₂ composite, NanoHydroxyapatite-Carbon Nanotube Nanocomposite, coating method