

Layer by Layer Barcoating Method of Multilayer Singlewall Carbon Nanotube / Graphene Oxide Hybrid Films

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Graphene, a monolayer of two-dimensional sp^2 -bonded carbon materials, are forecasted to have a variety of unique properties. Electrical and optical properties of grapheme has attracted large-scale attention in numerous research fields, due to their possible application in flat display, organic light emitting diodes (OLED), organic thin film transistors (OTFT), and fuel cell. We prepared a simple, bar coating method of hybrid multilayer films of singlewall carbon nanotube (SWCNT) with graphene oxide (GO) via Layer by Layer(LBL) assembly. Electrical and optical properties of the films are presented at each coating layer in this work.