

Layer-by-Layer Assembly of Silver Nanowires for Transparent Conductive Thin Films

김창호, 정아름, 엄봉준[†]

명지대학교

(byeom@mju.ac.kr[†])

Transparent conductive films with silver nanowires (AgNWs) have been extensively investigated as a potential alternative to ITO electrodes. However preparation of homogeneous thin films with colloidal suspension of AgNWs are still problematic in the fabrication process. Here we introduced Layer-by-Layer (LbL) assembly method in conformal coating of AgNWs for application of transparent conductive films. LbL experimental conditions, such as dipping time and number of depositions, were systematically investigated.