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A Highly Sensitive Ascorbic Acid Sensor Based on Hierarchical Polyaniline Coated Halloysite Nanotubes Prepared by Electrophoretic Deposition

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ABSTRACT

A highly sensitive ascorbic acid (AA) sensor based on hierarchical nanotube structured polyaniline (PANI)-halloysite nanotubes (HNTs) composites is reported. The PANI/HNTs electrode is electrophoretically deposited from the colloidal suspension of PANI/HNTs nanotubes which are obtained via chemical oxidative polymerization of aniline on HNTs.

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