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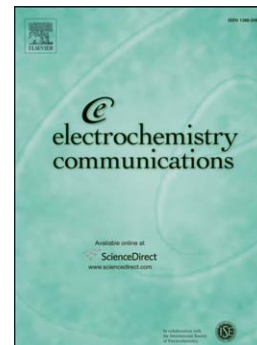
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Sprayed carbon nanotubes on pyrolyzed photoresist carbon electrodes: application to o-toluidine determination

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Abstract

An innovative spray technique for the modification of Pyrolyzed Photoresist Carbon Electrodes with multiwalled carbon nanotubes was studied. The modified electrodes were used for the determination of trace levels of o-toluidine, a carcinogenic organic compound employed in the synthesis of azo-dyes. The best conditions in terms of solvent used and quantity of carbon nanotubes deposited are discussed. Comparison with usual deposition methods is presented.

Keywords: Pyrolyzed carbon electrode; carbon nanotubes; spray deposition; o-toluidine

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