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Formation of Cu/MnO_x composite film by concurrent electroplating and electrophoresis in an organic solvent

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Abstract

A composite Cu/MnO_x thin film was fabricated by conducting electroplating of Cu and electrophoresis of MnO_x colloids simultaneously in an organic electrolyte. The organic electrolyte was prepared by dissolving copper (II) acetylacetonate and manganese (II) acetylacetonate in ethylene glycol, with addition of 10 vol% acetic

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