EFFECTS OF DIFFERENT MOLARITY AND TEMPERATURE ON SPRAY-DEPOSITED MnO_2 THIN FILMS

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MnO_2 thin films have been prepared by chemical spray pyrolysis technique using $MnCl_2$. $4H_2O$. Electrical and optical properties have been studied in detail. It is found that substrate temperature and solution concentration play important role in obtaining thin films. Structural and optical properties of the samples were characterized by XRD, SEM, AFM, TG-DTA and UV-vis respectively.