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Coating of molybdenum oxide on anodized aluminium plate apply for ultracapacitor electrodes

This research was studied about coating of molybdenum oxide on anodized aluminium plate via electrochemical plating technique apply for ultracapacitor electrodes. Preparation of the samples, aluminium plates with the size of 1X1 cm were anodized at voltage of 6, 12 and 24 volt with the constant electric current at 6 amperes for 10, 20 and 30 minute, respectively. The plate samples were then coated with molybdenum oxide by electrochemical plating technique. Thereafter, the samples were examined using SEM and EDX techniques. Besides, the increased surface area and conductivity of the plate samples were determined and applied for ultracapacitor electrodes.

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