

Effect of Graphite Concentration on the Capacitance of Composite
Supercapacitor of Hydrrous Ruthenium Oxides Coatings by Cathodic Deposition
Method

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Abstract

Supercapacitors have many advantages applied in a variety of fields for their larger capacitance, high power density and long cycle life. In general, supercapacitors can be classified into two categories, namely, pseudo-capacitors and double-layer capacitors. The former stores electrical charges in electrode surface region by faradaic reaction. While, in the latter, electrical charges are stored at the double-layer formed at electrode/electrolyte interface. Various methods have been utilized to manufacture electrode including cyclic voltammetric method, sol-gel method, anodizing, cathodic deposition method and etc.

Keyword : Capacitance, Hydrrous Ruthenium Oxides, Supercapacitor, Cathodic Deposition Method.