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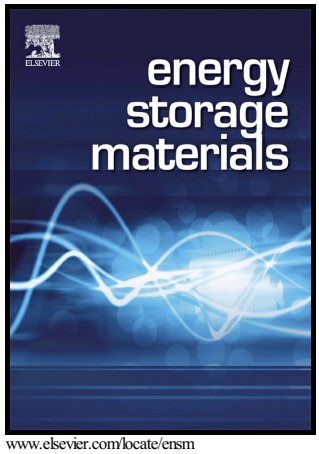

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Reduced graphene oxide as a multi-functional conductive binder for supercapacitor electrodes

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Abstract:

To date, significant effort has been focused on the active materials in the supercapacitors electrode. However, very little has been done for the binder materials. Insulating fluorinated polymer binders, which are used for fabrication of carbon electrodes in supercapacitors, reduce electrode conductivity, capacitance, and rate performance. Here we propose to use reduced graphene oxide (rGO) as a multi-