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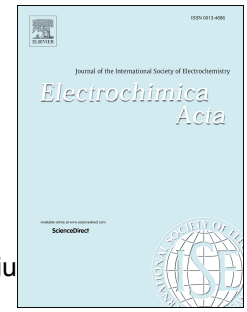

Multi-functional graphene/carbon nanotube aerogels for its applications in supercapacitor and direct methanol fuel cell

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Multi-functional graphene/carbon nanotube aerogels for its applications in supercapacitor and direct methanol fuel cell [1]

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Abstract: Three-dimensional graphene/carbon nanotube (GR-CNTs) aerogels was fabricated by the freeze-drying process, in which polyvinyl alcohol (PVA) was empolyed as an organic binder. The electrochemical energy storage properties of aerogels were investigated using cyclic voltammetry, galvanostatic charge/discharge and electrochemical impedance spectroscopy tests, which indicated that GR-CNTs aerogels electrode possessed high specific capacitances of 375 F/g in 6 M KOH

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