

عنوان مقاله:

Graphene quantum dot/NiFeAl- layered double hydroxide composite as a novel electrode for a supercapacitor

محل انتشار:

دومین کنفرانس بین المللی یافته های نوین پژوهشی در شیمی و مهندسی شیمی (سال: 1395)

تعداد صفحات اصل مقاله: 5

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خلاصه مقاله:

The study reported Graphene quantum dot /Ni Fe Al layered double-hydroxide (LDH) composite with capacitive properties that has been prepared by co-precipitation method at the optimized condition. The nanoparticles of composite was characterized by X-ray powder diffraction (PXRD), thermal gravimetric analysis (TGA), Fourier transform infrared spectroscopy (FT-IR). The size and morphology of nanoparticles were inspected by scanning electron microscopy (SEM). Electrochemical properties were characterized by cyclic voltammetry, galvanostatic .charge/discharge measurements, and electrochemical impedance spectroscopy

کلمات کلیدی:

Layered double hydroxide, Graphene quantum dot, super capacitors, nanocomposite

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