Novel Nanofibrous Dy₂Ce₂O₇ as an Electrocatalyst for Methanol Oxidation

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The present paper has utilized nanoparticles of fibrous Dy₂Ce₂O₇. The catalytic strength of fibrous Dy₂Ce₂O₇ was used as an electrocatalyst in the case of methanol oxidation reaction. The fibrous Dy₂Ce₂O₇ NPs are completely investigated by taking advantages of AFM, XRD, EDS, BET, TEM, FESEM and FT-IR analyses. The fibrous Dy₂Ce₂O₇ indicated high stability for reaction without considerable loss of some property like activity.

Keywords: Electrocatalyst, Nano catalyst, Dy₂Ce₂O₇, Green chemistry, Nanoparticle

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