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The influence of the addition of rGO and CNT on the electrochemical properties of the batteries the LaNi-Based Battery Alloys

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In this article the results of the investigation are reported where batteries were made from the negative electrodes of the alloy La0.7Mg0.3Al0.3Mn0.4Co0.5Ni3,8, without annealing, adding 0, 1, 2, 5, 10% , both for carbon nanotube (CNT) and for reduced graphene oxide (rGO) where the discharge capacity obtained during the electrochemical characterization showed that in the addition of 1% rGO the discharge capacity was 332 mAh and 1% CNT 364 mAh , being that the rGO batteries maintaining better cyclic stability during the electrochemical test. The addition materials CNT and rGO were characterized by high resolution MEV-FEV - Field emission gun.