

**Manufacturing And Electrochemical Performance Of
Undoped Nanosized Lithium Manganate And
Determination Of The Optimal Particle Size For Li⁺
Migration.**

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Lithium manganate LiMn_2O_4 spinel is a promising material for the positive electrode in lithium ion batteries, especially in combination with lithium titanate.

The intention of this work was to develop fundamental understanding about electrochemical behavior of the spinel structure of lithium manganate (LMS) and determine the optimal particle size that can match the fast charge/ discharge rates of existing lithium titanate anode material.

Figure 1. Nanosized lithium manganate electrode grade powder, suitable to stand charge and discharge in few seconds.

