

Titanium oxide based materials for li-ion batteries anodes

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This study was aimed to using of brookite structural phase of TiO₂ for anodes of Li-ion accumulators. Samples of TiO₂ nanorods with brookite structure were prepared by solvothermal synthesis and calcinated at different temperatures. Structural characterization by XRD and SEM was made. Electrochemical analysis was made by cyclical voltammetry, charge-discharge cycling and electrochemical impedance spectroscopy.

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