

A study of crystal-chemical transformations in $\text{LaMnO}_{3+\delta}$

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Abstract

The evolution of structural transformations in $\text{LaMnO}_{3.018}$ was considered and their temperatures were defined by the combination of methods. The temperature dependency of equilibrium oxygen pressure for $\text{LaMnO}_{3.018}$ dissociation reaction was measured by a static method. Changes of standard formation enthalpy and entropy of $\text{LaMnO}_{3.018}$ were calculated.