

Characterisation of treated SrTiO₃.

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Inhalt

Perovskites-type oxynitrides exhibit interesting electrical properties and can be used as potential materials for electrical, photo- and electrochemical applications. First approach will be to know what happens with SrTiO₃ in quasi-neutrally plasma of reactive gases generated by microwaves. The role of plasma and the choice of gases will be discussed based on surface and bulk analysis results (XRD, XPS, Raman spectroscopy, ERDA, RBS and electrical conductivity).

Vortragssprache: English