

Accepted Manuscript

Title: Oxygen Vacancies as a Link between the Grain Growth and Grain Boundary Conductivity Anomalies in Titanium-rich Strontium Titanate

Authors: Alexander Tkach, Luís Amaral, Paula M. Vilarinho, Ana M.R. Senos



PII: S0955-2219(18)30029-3
DOI: <https://doi.org/10.1016/j.jeurceramsoc.2018.01.014>
Reference: JECS 11682

To appear in: *Journal of the European Ceramic Society*

Received date: 22-9-2017
Revised date: 10-1-2018
Accepted date: 11-1-2018

Please cite this article as: Tkach A, Amaral L, Vilarinho PM, Senos AMR, Oxygen Vacancies as a Link between the Grain Growth and Grain Boundary Conductivity Anomalies in Titanium-rich Strontium Titanate, *Journal of The European Ceramic Society* (2018), <https://doi.org/10.1016/j.jeurceramsoc.2018.01.014>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

(revised version submitted to JECS, Ms. Ref. No.: JECS-D-17-01754R1, January 2018)

Oxygen Vacancies as a Link between the Grain Growth and Grain Boundary Conductivity Anomalies in Titanium-rich Strontium Titanate

Alexander Tkach,^a Luís Amaral,^b Paula M. Vilarinho,^{a} Ana M. R. Senos^a*

^a CICECO – Aveiro Institute of Materials, Department of Materials and Ceramic Engineering,
University of Aveiro, 3810-193 Aveiro, Portugal

[§] CeFEMA – Center of Physics and Engineering of Advanced Materials, Instituto Superior
Técnico, University of Lisbon, 1049-001 Lisbon, Portugal

Corresponding Author

* Paula M. Vilarinho, paula.vilarinho@ua.pt

Download English Version:

<https://daneshyari.com/en/article/7898359>

Download Persian Version:

<https://daneshyari.com/article/7898359>

[Daneshyari.com](https://daneshyari.com)