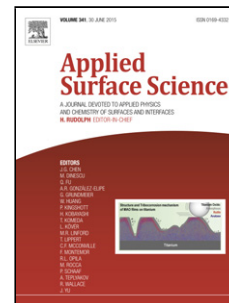


Accepted Manuscript

Title: In situ reduction of antibacterial silver ions to metallic silver nanoparticles on bioactive glasses functionalized with polyphenols

Author: S. Ferraris M. Miola A. Cochis B. Azzimonti L. Rimondini E. Prenesti E. Vernè



PII: S0169-4332(16)32315-7
DOI: <http://dx.doi.org/doi:10.1016/j.apsusc.2016.10.177>
Reference: APSUSC 34271

To appear in: *APSUSC*

Received date: 28-6-2016
Revised date: 24-10-2016
Accepted date: 27-10-2016

Please cite this article as: S.Ferraris, M.Miola, A.Cochis, B.Azzimonti, L.Rimondini, E.Prenesti, E.Vernè, In situ reduction of antibacterial silver ions to metallic silver nanoparticles on bioactive glasses functionalized with polyphenols, Applied Surface Science <http://dx.doi.org/10.1016/j.apsusc.2016.10.177>

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.

In situ reduction of antibacterial silver ions to metallic silver nanoparticles on bioactive glasses functionalized with polyphenols

S. Ferraris¹, M. Miola^{1,2}, A. Cochis², B. Azzimonti², L. Rimondini², E. Prenesti³, E. Vernè¹

¹ Department of Applied Science and Technology, Politecnico di Torino, C.so Duca degli Abruzzi 24, 10129, Torino, Italy

² Department of Health Sciences, Università del Piemonte Orientale UPO, Via Solaroli 17, 28100, Novara, Italy

³ Department of Chemistry, Università degli Studi di Torino, Via Pietro Giuria 7, Torino, 10125, Italy.

Corresponding author:

Sara Ferraris

e-mail: sara.ferraris@polito.it

Phone: 0039-0110905768

DISAT Department – Politecnico di Torino – Corso Duca degli Abruzzi, 24 – 10129, Torino (Italy)

Download English Version:

<https://daneshyari.com/en/article/5352726>

Download Persian Version:

<https://daneshyari.com/article/5352726>

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