

Accepted Manuscript

TiO₂ nanoparticle coatings with advanced antibacterial and hydrophilic properties prepared by flame aerosol synthesis and thermophoretic deposition



Gianluigi De Falco, Roberto Ciardiello, Mario Commodo, Pasquale Del Gaudio, Patrizia Minutolo, Amalia Porta, Andrea D'Anna

PII: S0257-8972(18)30680-7
DOI: doi:[10.1016/j.surfcoat.2018.06.083](https://doi.org/10.1016/j.surfcoat.2018.06.083)
Reference: SCT 23548
To appear in: *Surface & Coatings Technology*
Received date: 27 April 2018
Revised date: 26 June 2018
Accepted date: 27 June 2018

Please cite this article as: Gianluigi De Falco, Roberto Ciardiello, Mario Commodo, Pasquale Del Gaudio, Patrizia Minutolo, Amalia Porta, Andrea D'Anna , TiO₂ nanoparticle coatings with advanced antibacterial and hydrophilic properties prepared by flame aerosol synthesis and thermophoretic deposition. Sct (2018), doi:[10.1016/j.surfcoat.2018.06.083](https://doi.org/10.1016/j.surfcoat.2018.06.083)

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.

TiO₂ NANOPARTICLE COATINGS WITH ADVANCED ANTIBACTERIAL AND HYDROPHILIC PROPERTIES PREPARED BY FLAME AEROSOL SYNTHESIS AND THERMOPHORETIC DEPOSITION

Gianluigi De Falco^{a*}, *Roberto Ciardiello*^a, *Mario Commodo*^b, *Pasquale Del Gaudio*^c, *Patrizia Minutolo*^{b*}, *Amalia Porta*^c, *Andrea D'Anna*^a

^a Dipartimento di Ingegneria Chimica, dei Materiali e della Produzione Industriale - Università degli Studi di Napoli Federico II, P.le Tecchio 80, 80125, Napoli, Italy

^b Istituto di Ricerche sulla Combustione - CNR, P.le Tecchio 80, 80125, Napoli, Italy

^c Dipartimento di Farmacia (DIFARMA) - Università di Salerno, Via Giovanni Paolo II 132, 84084 Fisciano (Salerno), Italy

* Corresponding Author 1:

Gianluigi De Falco

Dipartimento di Ingegneria Chimica, dei Materiali e della Produzione Industriale

Università degli Studi di Napoli Federico II,

P.le V. Tecchio 80, 80125 – Napoli, Italy

e-mail: gianluigi.defalco@unina.it

Phone: + 39 081 768 2221

Fax: + 39 081 593 6936

* Corresponding Author 2:

Patrizia Minutolo

Istituto di Ricerche sulla Combustione

Consiglio Nazionale delle Ricerche

P.le V. Tecchio 80, 80125 – Napoli, Italy

e-mail: minutolo@irc.cnr.it

Phone: + 39 081 768 2263

Fax: + 39 081 593 6936

Download English Version:

<https://daneshyari.com/en/article/8023567>

Download Persian Version:

<https://daneshyari.com/article/8023567>

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