

Accepted Manuscript

Biodegradable nanostructures: Degradation process and biocompatibility of iron oxide nanostructured arrays

Yuyun Yang, Juncen Zhou, Rainer Detsch, Nicola Taccardi, Svenja Heise, Sannakaisa Virtanen, Aldo R. Boccaccini



PII: S0928-4931(17)31190-6
DOI: <https://doi.org/10.1016/j.msec.2017.12.021>
Reference: MSC 8367

To appear in: *Materials Science & Engineering C*

Received date: 31 March 2017
Revised date: 11 October 2017
Accepted date: 19 December 2017

Please cite this article as: Yuyun Yang, Juncen Zhou, Rainer Detsch, Nicola Taccardi, Svenja Heise, Sannakaisa Virtanen, Aldo R. Boccaccini , Biodegradable nanostructures: Degradation process and biocompatibility of iron oxide nanostructured arrays. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Msc(2017), <https://doi.org/10.1016/j.msec.2017.12.021>

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.

Biodegradable nanostructures: degradation process and biocompatibility of iron oxide nanostructured arrays

Yuyun Yang^{abl}, Juncen Zhou^{bl}, Rainer Detsch^a, Nicola Taccardi^c, Svenja Heise^a, Sannakaisa Virtanen^{*b}, and Aldo R. Boccaccini^{*a}

a Institute of Biomaterials, Department of Materials Science and Engineering, University of Erlangen-Nuremberg, Cauerstraße 6, 91058 Erlangen, Germany

b Institute for Surface Science and Corrosion, Department of Materials Science and Engineering, University of Erlangen-Nuremberg, Martensstraße 7, D-91058 Erlangen, Germany

c Institute of Chemical Reaction Engineering, University of Erlangen-Nuremberg, Egerlandstr. 3, D-91058 Erlangen, Germany

† Authors contributed equally to this work.

Corresponding Authors

*E-mail: sannkaisa.virtanen@fau.de

aldo.boccaccini@fau.de

Keywords: Degradation; Nanostructures; Biocompatibility; Iron

Download English Version:

<https://daneshyari.com/en/article/7866661>

Download Persian Version:

<https://daneshyari.com/article/7866661>

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