

Accepted Manuscript

Strategies for the development of three dimensional scaffolds from piezoelectric poly(vinylidene fluoride)

D.M. Correia, C. Ribeiro, V. Sencadas, L. Vikingsson, M. Oliver Gasch, J.L. Gómez Ribelles, G. Botelho, S. Lanceros-Méndez

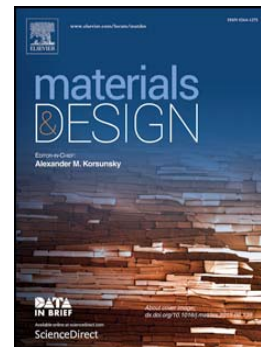
PII: S0264-1275(15)30902-3
DOI: doi: [10.1016/j.matdes.2015.12.043](https://doi.org/10.1016/j.matdes.2015.12.043)
Reference: JMADE 1067

To appear in:

Received date: 9 August 2015
Revised date: 3 December 2015
Accepted date: 11 December 2015

Please cite this article as: D.M. Correia, C. Ribeiro, V. Sencadas, L. Vikingsson, M. Oliver Gasch, J.L. Gómez Ribelles, G. Botelho, S. Lanceros-Méndez, Strategies for the development of three dimensional scaffolds from piezoelectric poly(vinylidene fluoride), (2015), doi: [10.1016/j.matdes.2015.12.043](https://doi.org/10.1016/j.matdes.2015.12.043)

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.



Strategies for the development of three dimensional scaffolds from piezoelectric poly(vinylidene fluoride)

D. M. Correia^{1,2}, C. Ribeiro^{1,}, V. Sencadas^{1,3}, L. Vikingsson⁴, M. Oliver Gasch⁵, J. L. Gómez Ribelles^{4,5}, G. Botelho², S. Lanceros-Méndez^{1,*}*

¹Centro/Departamento de Física da Universidade do Minho, Campus de Gualtar, 4710-057 Braga, Portugal

²Centro/Departamento de Química, Universidade do Minho, Campus de Gualtar, 4710-057 Braga, Portugal

³School of Mechanical, Materials and Mechatronics Engineering, University of Wollongong, Wollongong, NSW 2522, Australia

⁴Centre for Biomaterials and Tissue Engineering (CBIT), Universitat Politècnica de València, Camino de Vera s/n, 46022 Valencia, Spain.

⁵Biomedical Research Networking Center in Bioengineering, Biomaterials and Nanomedicine (CIBER-BBN), Valencia, Spain.

*Corresponding Authors: cribeiro@fisica.uminho.pt; lanceros@fisica.uminho.pt; Tel.: +351 253604320; Fax: +351 253604061

KEYWORDS: poly(vinylidene fluoride); scaffolds; tissue engineering; mechanical properties; piezoelectric.

Download English Version:

<https://daneshyari.com/en/article/7219106>

Download Persian Version:

<https://daneshyari.com/article/7219106>

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