Accepted Manuscript

Full length article

Fabrication of conductive gelatin methacrylate-polyaniline hydrogels

Yibo Wu, Yong X. Chen, Jiahan Yan, David Quinn, Ping Dong, Stephen W. Sawyer, Pranav Soman

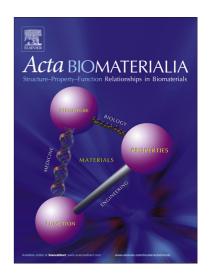
PII: S1742-7061(16)30033-2

DOI: http://dx.doi.org/10.1016/j.actbio.2016.01.036

Reference: ACTBIO 4089

To appear in: Acta Biomaterialia

Received Date: 3 August 2015 Revised Date: 11 January 2016 Accepted Date: 23 January 2016



Please cite this article as: Wu, Y., Chen, Y.X., Yan, J., Quinn, D., Dong, P., Sawyer, S.W., Soman, P., Fabrication of conductive gelatin methacrylate-polyaniline hydrogels, *Acta Biomaterialia* (2016), doi: http://dx.doi.org/10.1016/j.actbio.2016.01.036

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.

ACCEPTED MANUSCRIPT

Fabrication of conductive gelatin methacrylate-polyaniline hydrogels

Yibo Wu, Yong X. Chen, Jiahan Yan, David Quinn, Ping Dong, Stephen W. Sawyer, and Pranav Soman*

Department of Biomedical and Chemical Engineering, Syracuse University, 900 S Crouse Ave, Syracuse NY 13210 USA, telephone: 315-443-9322; email: psoman@syr.edu

Keywords: Conductive hydrogels, polyaniline, gelatin methacrylate, processing, fabrication methods, scaffolds.

Author Contribution: Y.W. synthesized samples, carried out electrical testing, and analyzed data; Y.X.C performed DMA tests and cell-culture; D.Q. developed the resistance test-chip; J.Y. fabricated patterns using stereolithography; P.D. and S.S. performed FTIR experiments and imaging; P.S. conceived and designed the experiments. All authors contributed in writing the manuscript.

Download English Version:

https://daneshyari.com/en/article/6483318

Download Persian Version:

https://daneshyari.com/article/6483318

<u>Daneshyari.com</u>