

Accepted Manuscript

Title: A hydrogel actuator with flexible folding deformation and shape programming via using sodium carboxymethyl cellulose and acrylic acid

Authors: Shuiping Wu, Feng Yu, Hua Dong, Xiaodong Cao



PII: S0144-8617(17)30578-7
DOI: <http://dx.doi.org/doi:10.1016/j.carbpol.2017.05.061>
Reference: CARP 12347

To appear in:

Received date: 20-1-2017
Revised date: 18-5-2017
Accepted date: 18-5-2017

Please cite this article as: Wu, Shuiping., Yu, Feng., Dong, Hua., & Cao, Xiaodong., A hydrogel actuator with flexible folding deformation and shape programming via using sodium carboxymethyl cellulose and acrylic acid. *Carbohydrate Polymers* <http://dx.doi.org/10.1016/j.carbpol.2017.05.061>

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.

A hydrogel actuator with flexible folding deformation and shape programming via using sodium carboxymethyl cellulose and acrylic acid

Shuiping Wu,^a Feng Yu,^{*b} Hua Dong,^{a,c} Xiaodong Cao^{*a,c}

*^aSchool of Materials Science and Engineering, South China University of
Technology, Guangzhou, 510640, PR China.*

*^bState Key Laboratory of Marine Resource Utilization in South China Sea, Hainan
University, Haikou 570228, PR China.*

*^cNational Engineering Research Centre for Tissue Restoration and Reconstruction,
Guangzhou, 510006, PR China.*

Corresponding Authors

*Xiaodong Cao, E-mail: caoxd@scut.edu.cn

*Feng Yu, E-mail: yuf@hainu.edu.cn

Download English Version:

<https://daneshyari.com/en/article/5157430>

Download Persian Version:

<https://daneshyari.com/article/5157430>

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