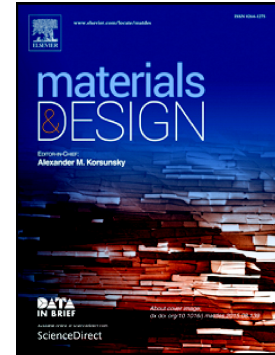


Accepted Manuscript

Multi-structural network design and mechanical properties of graphene oxide filled chitosan-based hydrogel nanocomposites

Yiwan Huang, Ming Zeng, Jiangbing Chen, Yanqing Wang, Qingyu Xu



PII: S0264-1275(18)30241-7
DOI: doi:[10.1016/j.matdes.2018.03.055](https://doi.org/10.1016/j.matdes.2018.03.055)
Reference: JMADE 3797
To appear in: *Materials & Design*
Received date: 19 January 2018
Revised date: 25 March 2018
Accepted date: 26 March 2018

Please cite this article as: Yiwan Huang, Ming Zeng, Jiangbing Chen, Yanqing Wang, Qingyu Xu, Multi-structural network design and mechanical properties of graphene oxide filled chitosan-based hydrogel nanocomposites. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Jmade(2017), doi:[10.1016/j.matdes.2018.03.055](https://doi.org/10.1016/j.matdes.2018.03.055)

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.

**Multi-structural Network Design and Mechanical Properties of Graphene Oxide Filled
Chitosan-based Hydrogel Nanocomposites**

Yiwan Huang^{1,3}, Ming Zeng^{1,2*}, Jiangbing Chen¹, Yanqing Wang⁴, Qingyu Xu¹

¹Faculty of Materials Science and Chemistry, China University of Geosciences, Wuhan 430074, People's Republic of China

²Engineering Research Center of Nano-Geomaterials of Ministry of Education, China University of Geosciences, Wuhan 430074, People's Republic of China

³Faculty of Advanced Life Science, Hokkaido University, Sapporo 001-0021, Japan

⁴Faculty of Engineering, The University of Tokyo, Yayoi, Bunkyo-ku, Tokyo, 113-0032 Japan

*Corresponding author: E-mail: mingzeng@cug.edu.cn; zengming318@163.com

Download English Version:

<https://daneshyari.com/en/article/7217103>

Download Persian Version:

<https://daneshyari.com/article/7217103>

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