

# Accepted Manuscript

Full length article

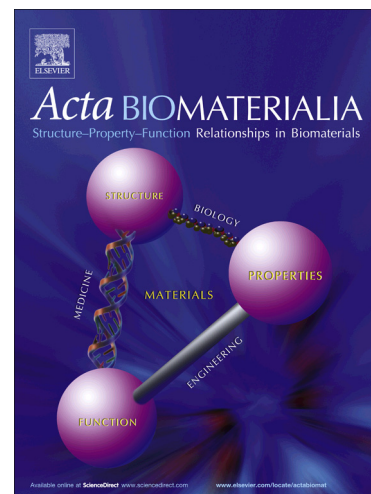
3D-printed scaffolds with bioactive elements-induced photothermal effect for bone tumor therapy

Yaqin Liu, Tao Li, Hongshi Ma, Dong Zhai, Cuijun Deng, Jinwu Wang, Shangjun Zhuo, Jiang Chang, Chengtie Wu

PII: S1742-7061(18)30213-7  
DOI: <https://doi.org/10.1016/j.actbio.2018.04.014>  
Reference: ACTBIO 5414

To appear in: *Acta Biomaterialia*

Received Date: 16 November 2017  
Revised Date: 4 April 2018  
Accepted Date: 5 April 2018



Please cite this article as: Liu, Y., Li, T., Ma, H., Zhai, D., Deng, C., Wang, J., Zhuo, S., Chang, J., Wu, C., 3D-printed scaffolds with bioactive elements-induced photothermal effect for bone tumor therapy, *Acta Biomaterialia* (2018), doi: <https://doi.org/10.1016/j.actbio.2018.04.014>

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.

### **3D-printed scaffolds with bioactive elements-induced photothermal effect for bone tumor therapy**

Yaqin Liu <sup>a, b, 1</sup>, Tao Li <sup>c, 1</sup>, Hongshi Ma <sup>a</sup>, Dong Zhai <sup>a</sup>, Cuijun Deng <sup>a</sup>, Jinwu Wang <sup>c</sup>,  
Shangjun Zhuo <sup>a</sup>, Jiang Chang <sup>a</sup>, Chengtie Wu <sup>a\*</sup>

<sup>a</sup> State Key Laboratory of High Performance Ceramics and Superfine Microstructure,  
Shanghai Institute of Ceramics, Chinese Academy of Sciences, Shanghai 200050,  
China.

<sup>b</sup> University of Chinese Academy of Sciences, Beijing 100049, People's Republic of  
China.

<sup>c</sup> Shanghai Key Laboratory of Orthopaedic Implant, Department of Orthopaedic  
Surgery, Shanghai Ninth People's Hospital Affiliated Shanghai Jiao Tong University  
School of Medicine, Shanghai 200011, China.

\* Corresponding author:

E-mail: chengtiewu@mail.sic.ac.cn (C. Wu)

Tel +86-21-52412249, Fax +86-21-52413903

Y.L and T.L are co-first authors.

Download English Version:

<https://daneshyari.com/en/article/6482898>

Download Persian Version:

<https://daneshyari.com/article/6482898>

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