

Accepted Manuscript

Title: Synergistic effects of titania nanotubes and silicon to enhance the osteogenic activity

Authors: Tao Wang, Shi Qian, Guo-Chun Zha, Xi-Jiang Zhao, Lei Ding, Jun-Ying Sun, Bin Li, Xuan-Yong Liu



PII: S0927-7765(18)30500-9
DOI: <https://doi.org/10.1016/j.colsurfb.2018.07.052>
Reference: COLSUB 9508

To appear in: *Colloids and Surfaces B: Biointerfaces*

Received date: 25-3-2018
Revised date: 10-7-2018
Accepted date: 23-7-2018

Please cite this article as: Wang T, Qian S, Zha G-Chun, Zhao X-Jiang, Ding L, Sun J-Ying, Li B, Liu X-Yong, Synergistic effects of titania nanotubes and silicon to enhance the osteogenic activity, *Colloids and Surfaces B: Biointerfaces* (2018), <https://doi.org/10.1016/j.colsurfb.2018.07.052>

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.

Synergistic effects of titania nanotubes and silicon to enhance the osteogenic activity

Tao Wang^{†a,b}, Shi Qian^{†c}, Guo-Chun Zha^{†d}, Xi-Jiang Zhao^a, Lei Ding^b, Jun-Ying Sun^{e*}, Bin Li^{e*},
Xuan-Yong Liu^{c*}

Address:

- a. Department of Orthopedics, Affiliated Hospital of Jiangnan University, Wuxi, China
- b. School of Medicine, Jiangnan University, Wuxi, China
- c. State Key Laboratory of High Performance Ceramics and Superfine Microstructure, Shanghai Institute of Ceramics, Chinese Academy of Sciences, Shanghai, China
- d. Department of Orthopedics, Affiliated Hospital of Xuzhou Medical College, Xuzhou, China
- e. Department of Orthopedics, the First Affiliated Hospital, Orthopaedic Institute, Soochow University, Suzhou, China.

†These authors contributed equally to this work.

Please address all correspondence to:

1. Jun-Ying Sun, MD,
Email: sunjunyingsuda@163.com
2. Bin Li PHD
Email: Binlisuda@educ.cn
3. Xuan-Yong Liu PHD
Email: xyliu@mail.sic.ac.cn

Number of figure: 8

Number of table: 1

Number of words: 4482

Download English Version:

<https://daneshyari.com/en/article/6980173>

Download Persian Version:

<https://daneshyari.com/article/6980173>

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