Accepted Manuscript

Fatigue behaviors of HP-Mg, Mg-Ca and Mg-Zn-Ca biodegradable metals in air and simulated body fluid

Dong Bian, Weirui Zhou, Yang Liu, Nan Li, Yufeng Zheng, Zhili Sun

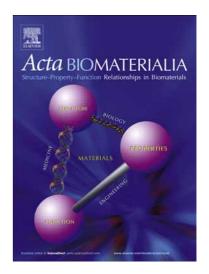
PII: S1742-7061(16)30249-5

DOI: http://dx.doi.org/10.1016/j.actbio.2016.05.031

Reference: ACTBIO 4263

To appear in: Acta Biomaterialia

Received Date: 9 December 2015 Revised Date: 12 May 2016 Accepted Date: 20 May 2016



Please cite this article as: Bian, D., Zhou, W., Liu, Y., Li, N., Zheng, Y., Sun, Z., Fatigue behaviors of HP-Mg, Mg-Ca and Mg-Zn-Ca biodegradable metals in air and simulated body fluid, *Acta Biomaterialia* (2016), doi: http://dx.doi.org/10.1016/j.actbio.2016.05.031

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

Fatigue behaviors of HP-Mg, Mg-Ca and Mg-Zn-Ca biodegradable metals in air and simulated body fluid

Dong Bian^a, Weirui Zhou^b, Yang Liu^a, Nan Li^a, Yufeng Zheng^{a,b,*}, Zhili Sun^{c,**}

^a Department of Materials Science and Engineering, College of Engineering, Peking
University, Beijing 100871, China

^b Center for Biomedical Materials and Tissue Engineering, Academy for Advanced
Interdisciplinary Studies, Peking University, Beijing 100871, China

^c State Key Laboratory for Turbulence and Complex System, College of Engineering,
Peking University, Beijing 100871, China

*The name and full mailing address of the corresponding author:

Prof. Yu-Feng Zheng (Biomaterials)

Department of Materials Science and Engineering

College of Engineering, Peking University

Beijing 100871, China

Tel&Fax: 0086-10-62767411

E-mail: yfzheng@pku.edu.cn

**Co-Corresponding Author, (Mechanics), E-mail: sunzhl@pku.edu.cn

Download English Version:

https://daneshyari.com/en/article/6482165

Download Persian Version:

https://daneshyari.com/article/6482165

Daneshyari.com