

Magnetic lanthanum-doped hydroxyapatite/chitosan scaffolds with endogenous stem cell-recruiting and immunomodulatory properties for bone regeneration

Qiyang Wang^{a,†}, Yaqi Tang^{b,†}, Qinfei Ke^{b,c}, Wenjing Yin^a, Changqing Zhang^a, Yaping Guo^{b,*} and Junjie Guan^{a,*}

^a Department of Orthopedic Surgery, Shanghai Jiao Tong University Affiliated Sixth People's Hospital, Shanghai Jiao Tong University, Shanghai 200233, China.

^b The Education Ministry Key Lab of Resource Chemistry and Shanghai Key Laboratory of Rare Earth Functional Materials, Shanghai Normal University, Shanghai 200234, China. E-mail: ypguo@shnu.edu.cn

^c School of Materials Science and Engineering, Shanghai Institute of Technology, Shanghai 201418, China.

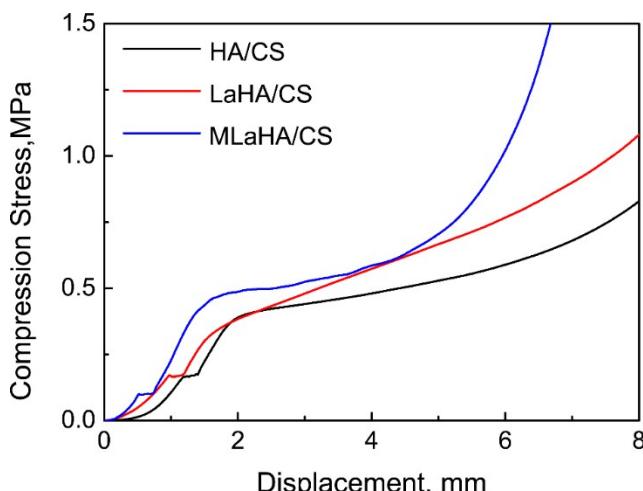


Fig. S1. The compressive properties of HA/CS, LaHA/CS and MLaHA/CS scaffolds.

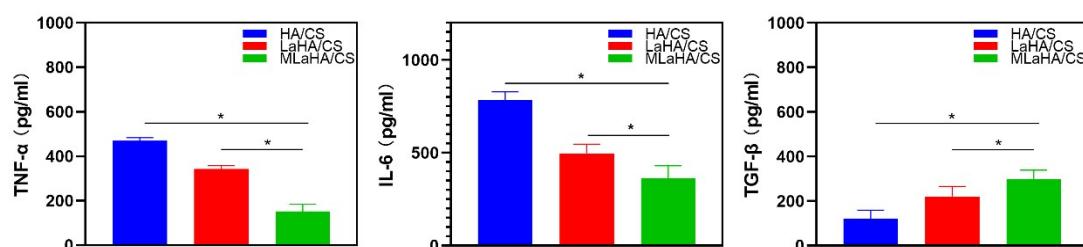


Fig.S2. Elisa results of TNF- α , IL-6 and TGF- β .

Supplementary 1

Name	Forward	Reverse
ALP	AACCTGTGCCCTGGAGA	GCGAGTTCTGCCCTGT
OCN	TTCAGAGTGAGTGCATCC	CCATCCAGTGTGTCTTGT
RUNX-2	CGAACAGAGCAACATCTCC	GTCAGTGCCTTCCTTGG
BMP-2	AACACAACAGCGGAA	AGCCAGGGAAAAGGA
GAPDH	GCAAGAGAGAGGCCCTCAG	TGTGAGGGAGATGCTCAGTG