Hollow Hydroxyapatite Spheres Fabrication with Three-Dimensional Hydrogel Template

Zhiyong Li¹, Tao Wen¹, Yunlan Su¹*, Xiaoxiao Wei¹, Changcheng He², Dujin Wang¹*

1 Beijing National Laboratory for Molecular Sciences, Key Laboratory of Engineering Plastics, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100190, P. R. China

2 College of Chemistry, Beijing Key Laboratory of Energy Conversion and Storage Materials, Beijing Normal University, Beijing 100875, P. R. China
Fig. S1 The SEM micrographs of hollow HAp spheres fabricated using ion diffusion method for 5 days. The as-prepared hydrogel was swelled in CaCl₂ (Tris-HCl, pH = 9.0) solution.
Fig. S2 The SEM micrographs of hollow HAp sphere fabricated using ion diffusion method at about 36 hours. The as-prepared hydrogel was swelled in pure CaCl$_2$ solution.
Fig. S3 The typical smooth HAp spheres with averaged diameter of ~ 700 nm after diffusing hydrogel in CaCl$_2$ solution (Tris-HCl, pH=9.0) for 3 h.