Electronic Supplementary Material (ESI) for RSC Advances.

Supporting Information

Advanced Yolk-Shell Hydroxyapatite for Bone Graft Materials: Kilogram-Scale Production and Structure-*in vitro* Bioactivity Relationship

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Keywords: yolk-shell structure, hydroxyapatite, biomaterial, bioactivity, spray drying

This file includes:

- Schematic diagram and digital photo of spray dryer applied in the preparation of composite precursor powders of calcium nitrate, diammonium hydrogen phosphate, and dextrin.
- Schematic diagram of spray pyrolysis system applied in the preparation of filled-structured HAp powders.
- HR-TEM image and SAED pattern of the filled-structured HAp powders.

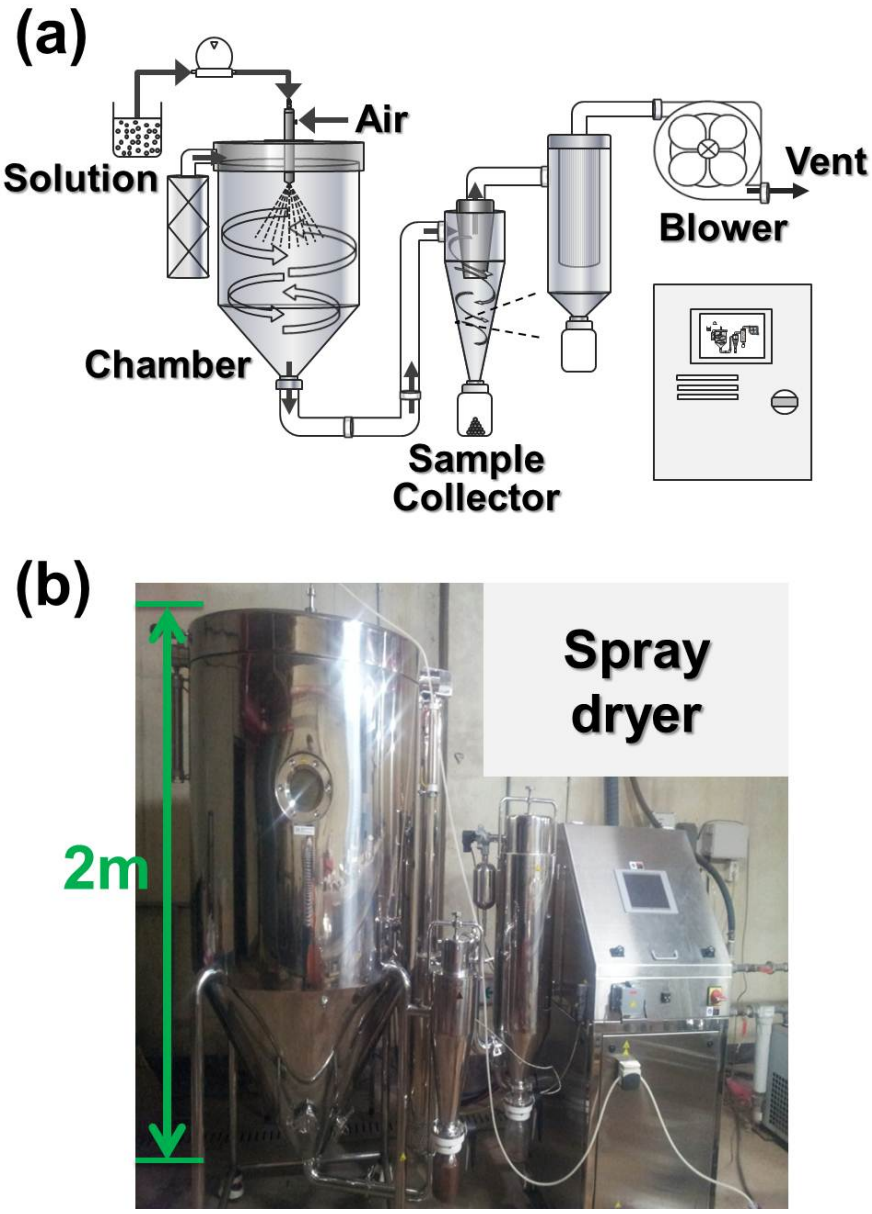

Fig. S1. Schematic diagram and digital photo of spray dryer applied in the preparation of com posite precursor powders of calcium nitrate, diammonium hydrogen phosphate, and dextrin.

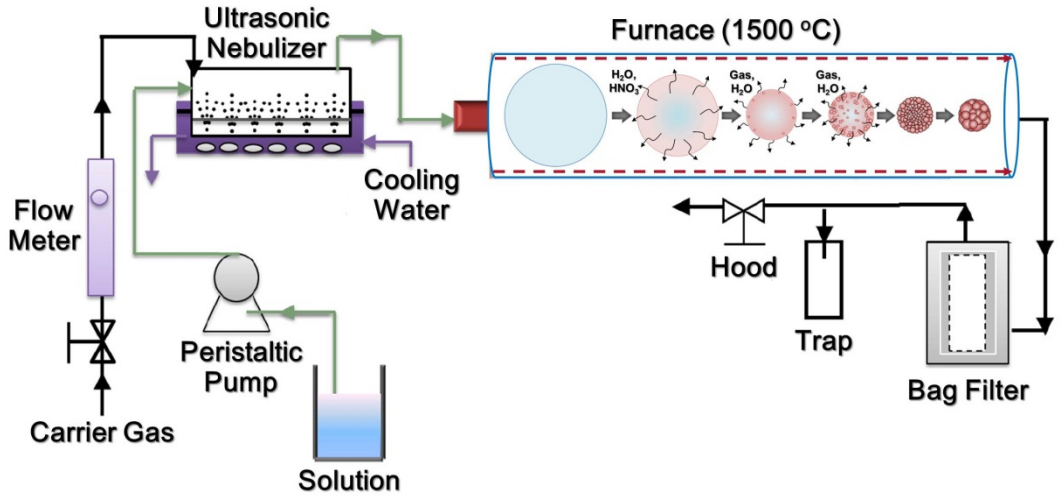

Fig. S2. Schematic diagram of spray pyrolysis system applied in the preparation of filled-stru ctured HAp powders.

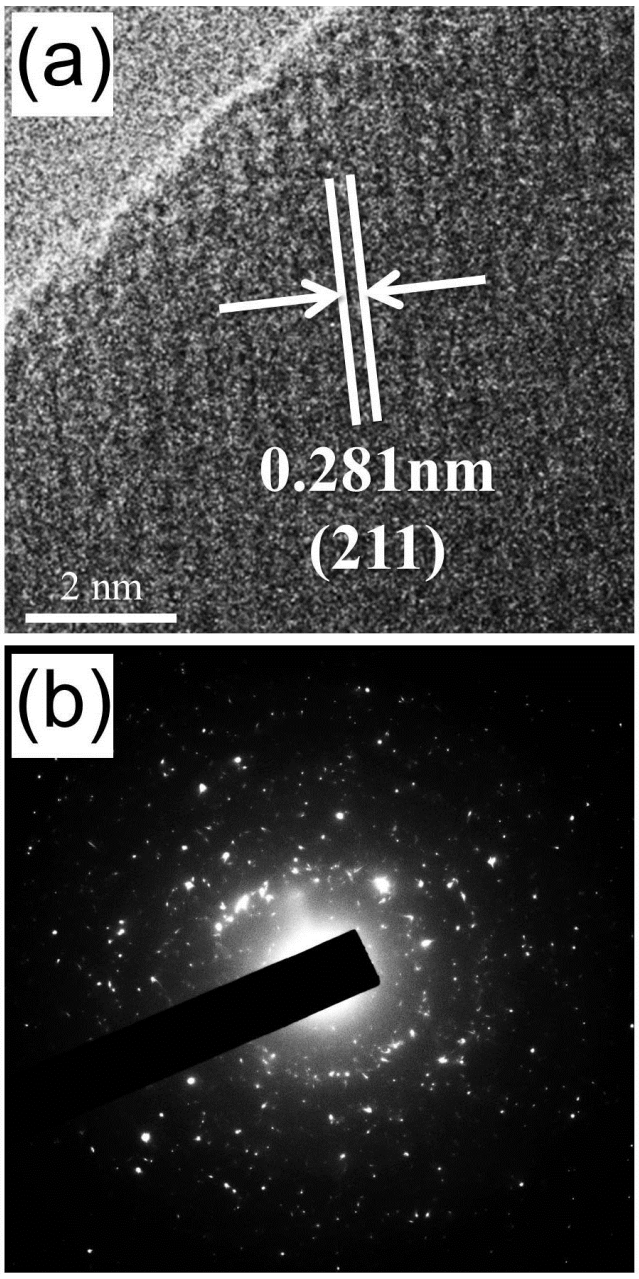

Fig. S3. (a) HR-TEM image and (b) SAED pattern of the filled-structured HAp powders.