

Supplementary material

Development of phosphatized calcium carbonate biominerals as bioactive bone graft substitute materials, part I: incorporation of Mg and Sr ions

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Coral skeleton held in deionized water at 200°C for 168 h.

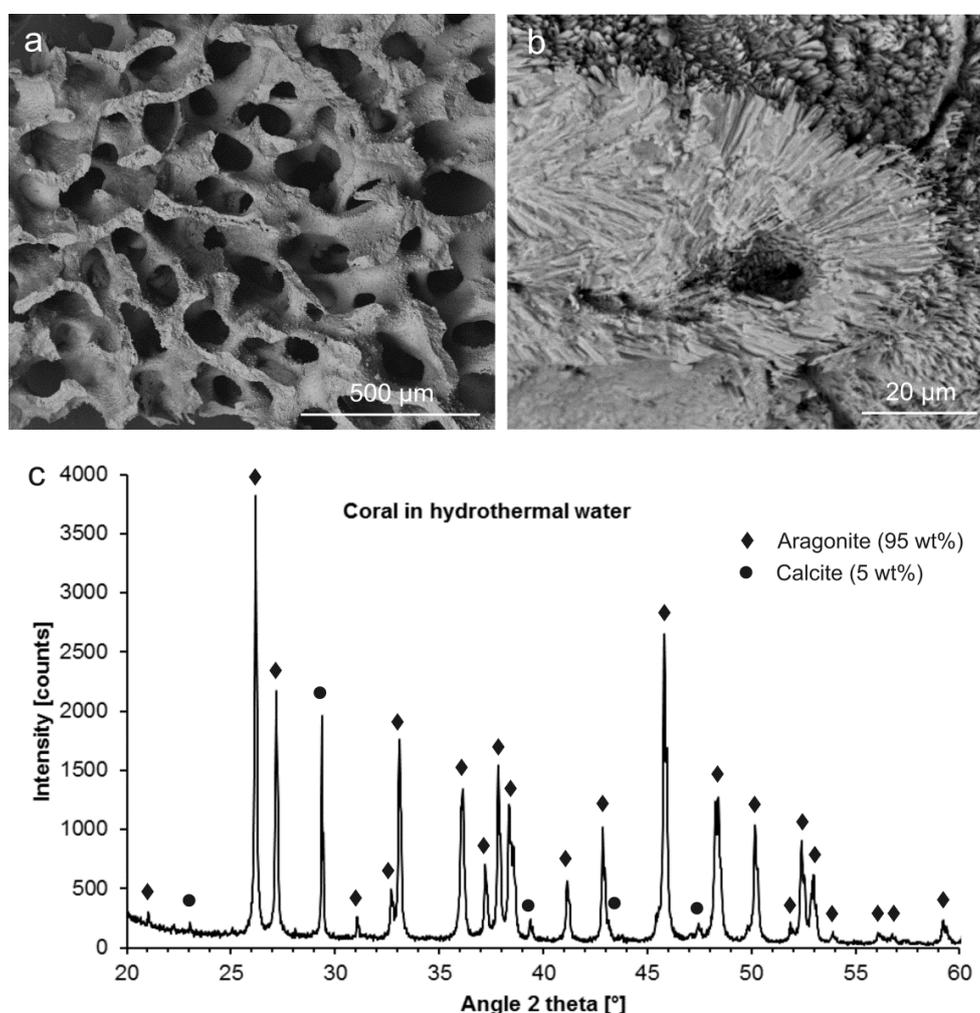


Figure S1. Coral skeleton held in deionized water at 200°C for 168 h. (a) Macromorphology and (b) internal microstructure of the material were preserved, while dissolution at the surface exposes the fibrous material; scanning electron microscopy (SEM), back-scattered electron images. (c) The hydrothermal treatment resulted in a partial replacement of the original aragonite (95 wt%; PDF 00-041-1475) by calcite (5 wt%; PDF 00-047-1743); X-ray diffractometry (XRD). XRD raw data S3: C30.