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Supporting Information

Silk Sericin Microcapsules with Hydroxyapatite Shell: Protection and Modification of Organic Microcapsules by Biomimetic Mineralization

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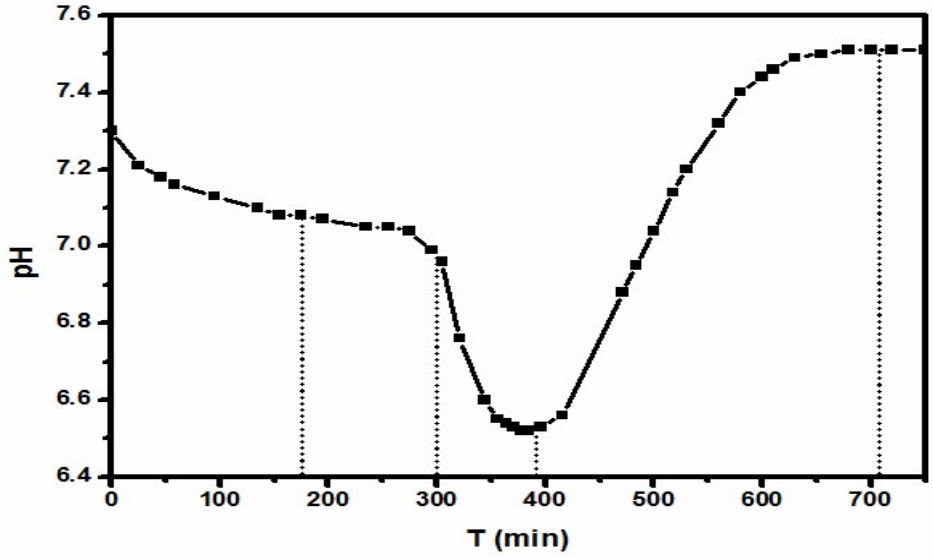

Fig. S1 The pH changes of the mineralized solution during the mineralized time under 37℃.

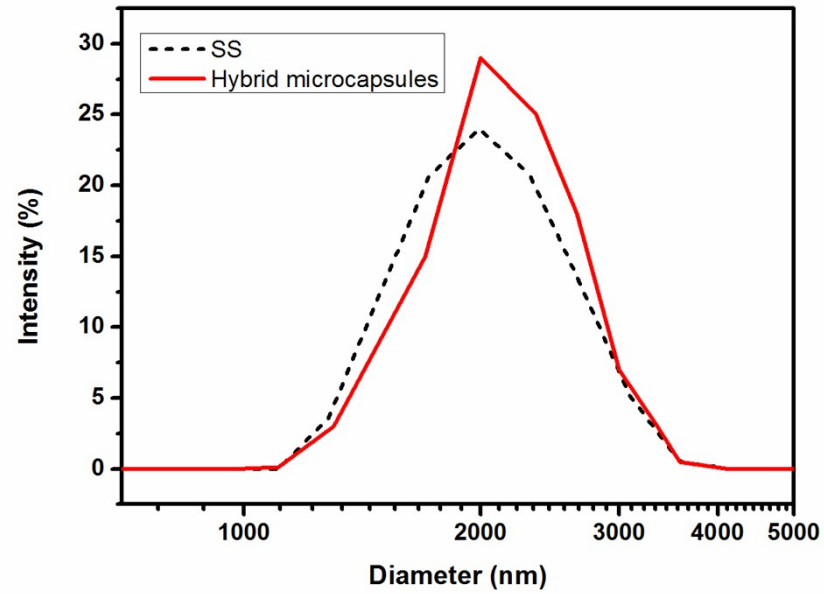

Fig. S2 The Size distribution of sericin microcapsules and hybrid microcapsules mineralized for 5h

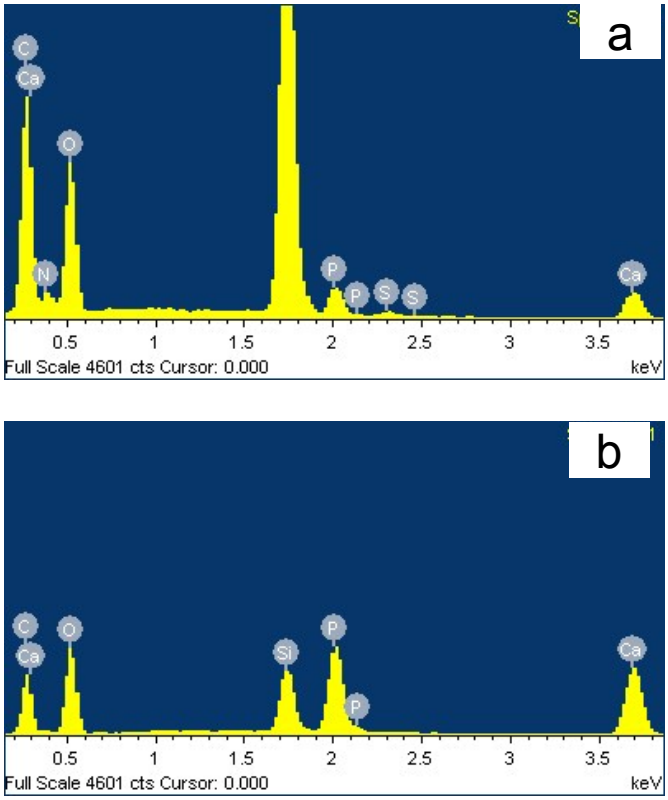

Fig. S3 The EDS spectrum of mineralization microcapsules (a) mineralized for 3 h, (b) 12 h.

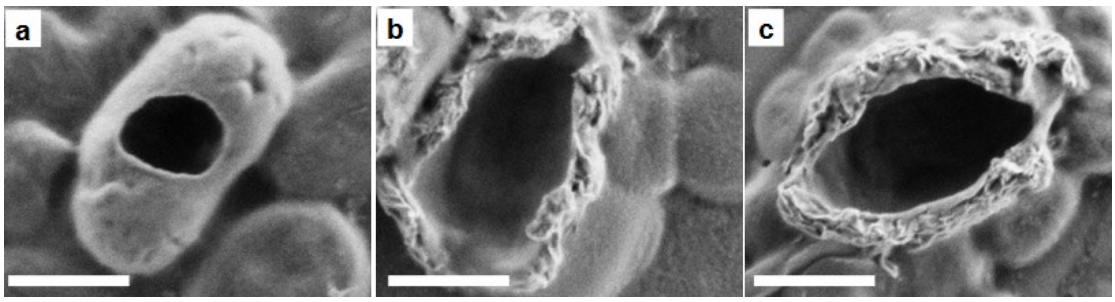

Fig. S4 The cross-section of the microcapsules after mineralization for (a) 0 h, (b) 5 h, (c) 12 h. The scale bar is 1 μm.

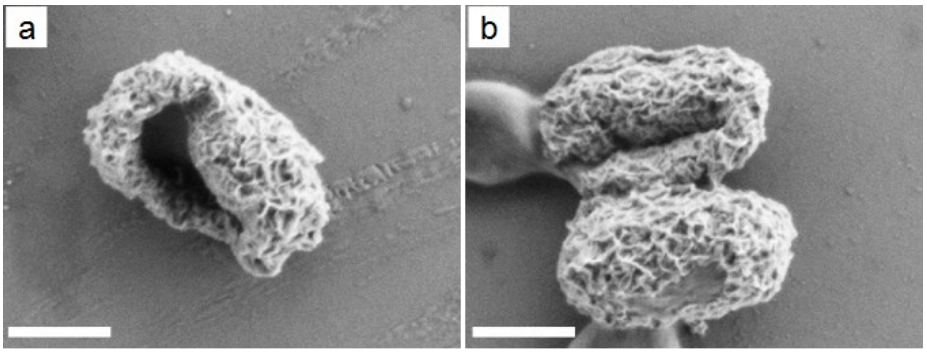

Fig. S5 The morphology of the hybrid microcapsule after incubating in (a) pH 7 for 7days, (b) 0.4 M NaCl solution for 7 days. The scale bar is 1 μm.