

Seeded Mineralization in Silk Fibroin Hydrogel Matrices Leads to Continuous Rhombohedral CaCO_3 Films

Dan Wang ^{1,#}, Yu-xuan Feng ^{1,#}, Ming Li ¹, Shengdi Guo ¹ and Yuan Jiang ^{1,2,*}

¹ College of Materials, Xiamen University, Xiamen 361005, China; 20720171150034@stu.xmu.edu.cn (D.W.); 20720181150012@stu.xmu.edu.cn (Y.F.); liming25@midea.com (M.L.); 17210440008@fudan.edu.cn (S.G.); yuan.jiang@xmu.edu.cn (Y.J.)

² Research Institute for Biomimetics and Soft Matter, Xiamen University, Xiamen 361005, China

Dan Wang and Yu-xuan Feng contributed equally to this work

* Correspondence: E-mail: yuan.jiang@xmu.edu.cn

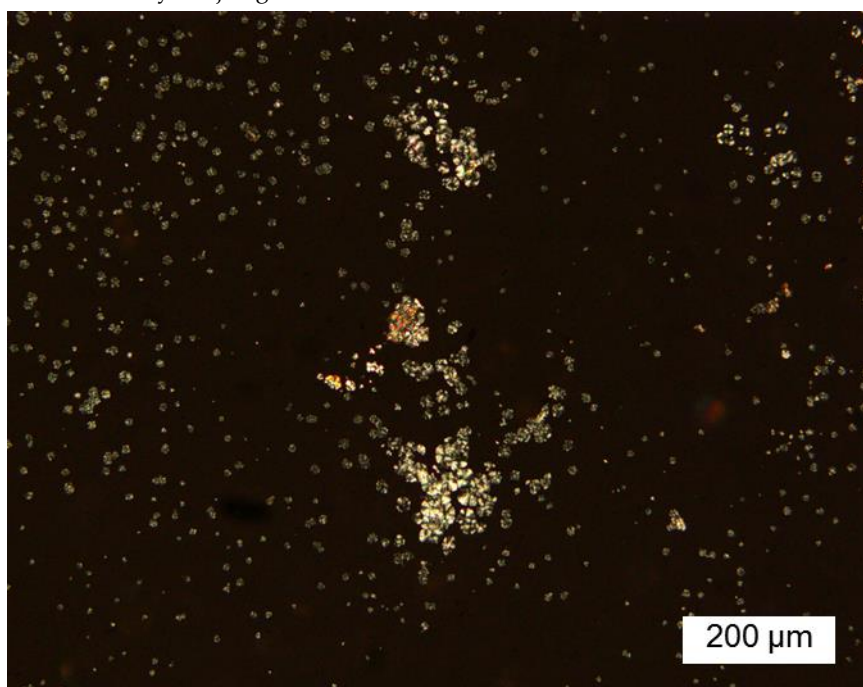


Figure S1. POM image indicating the seed layer deposited on SF matrices without enduring ethanol treatment.

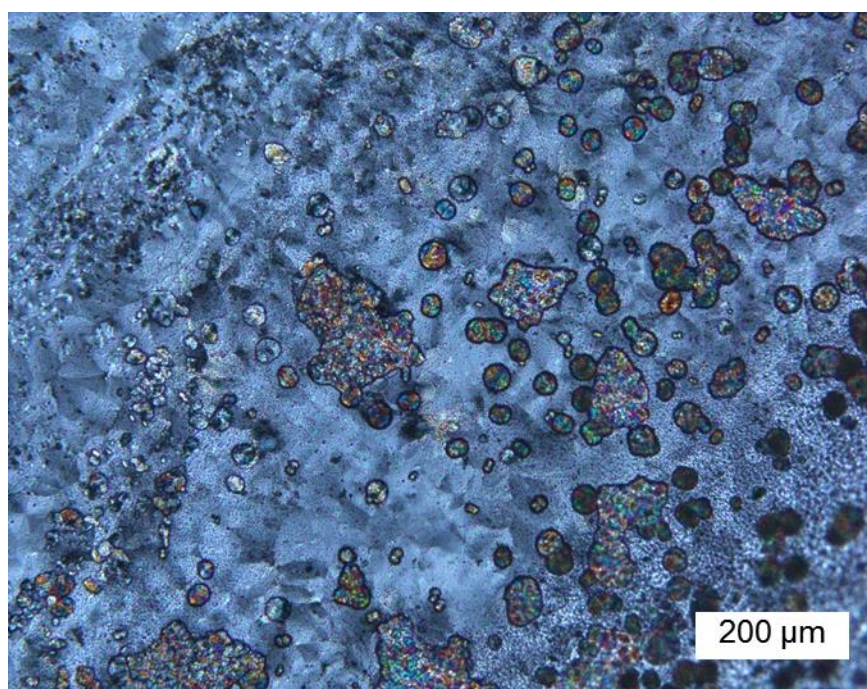


Figure S2. POM image of CaCO₃-SF hybrid films obtained in 6 wt% SF hydrogels.

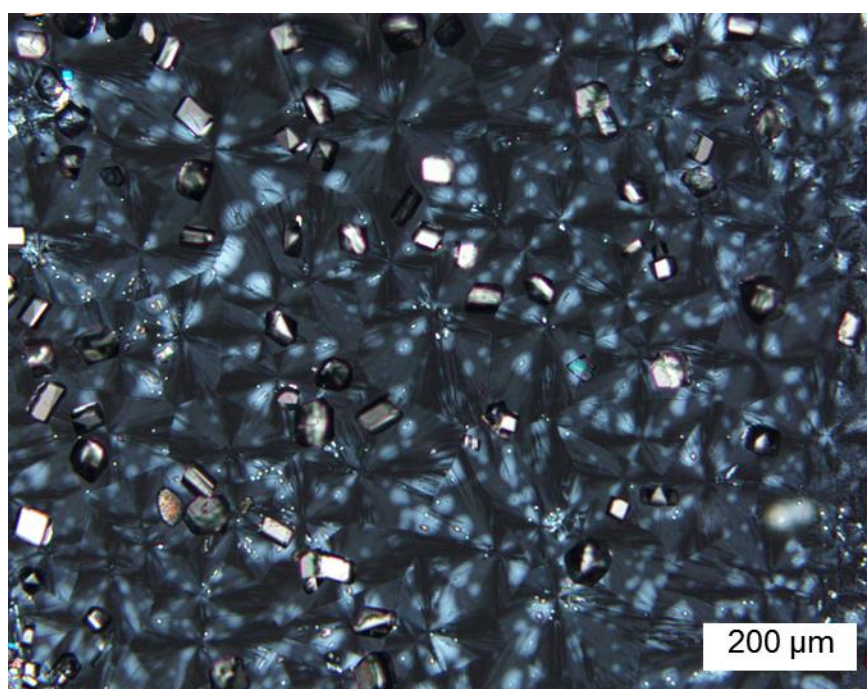


Figure S3. POM image of rhombohedral crystals obtained in mineralization in the absence of monomeric SF as additives.