

Synthesis of Hierarchical Three-Dimensional Copper Oxide Nanostructures through a Biomineralization-Inspired Approach

Xiang Fei, Zhengzhong Shao, Xin Chen*

State Key Laboratory of Molecular Engineering of Polymers, Department of Macromolecular Science, Laboratory of Advanced Materials, Fudan University, Shanghai, 200433, People's Republic of China

*Corresponding author. Tel.: +86-21-6564-2866. Fax: +86-21-5163-0300

E-mail address: chenx@fudan.edu.cn

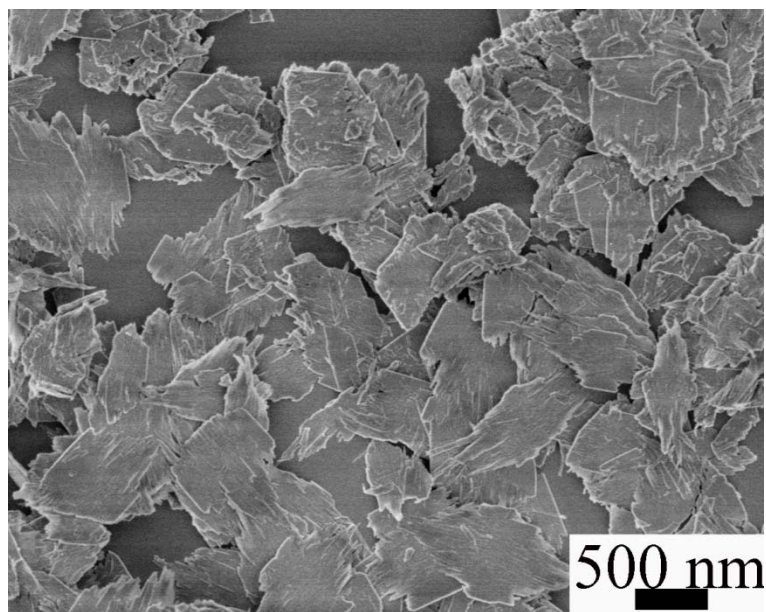


Fig. S1 SEM image of the synthesized CuO obtained without silk fibroin.

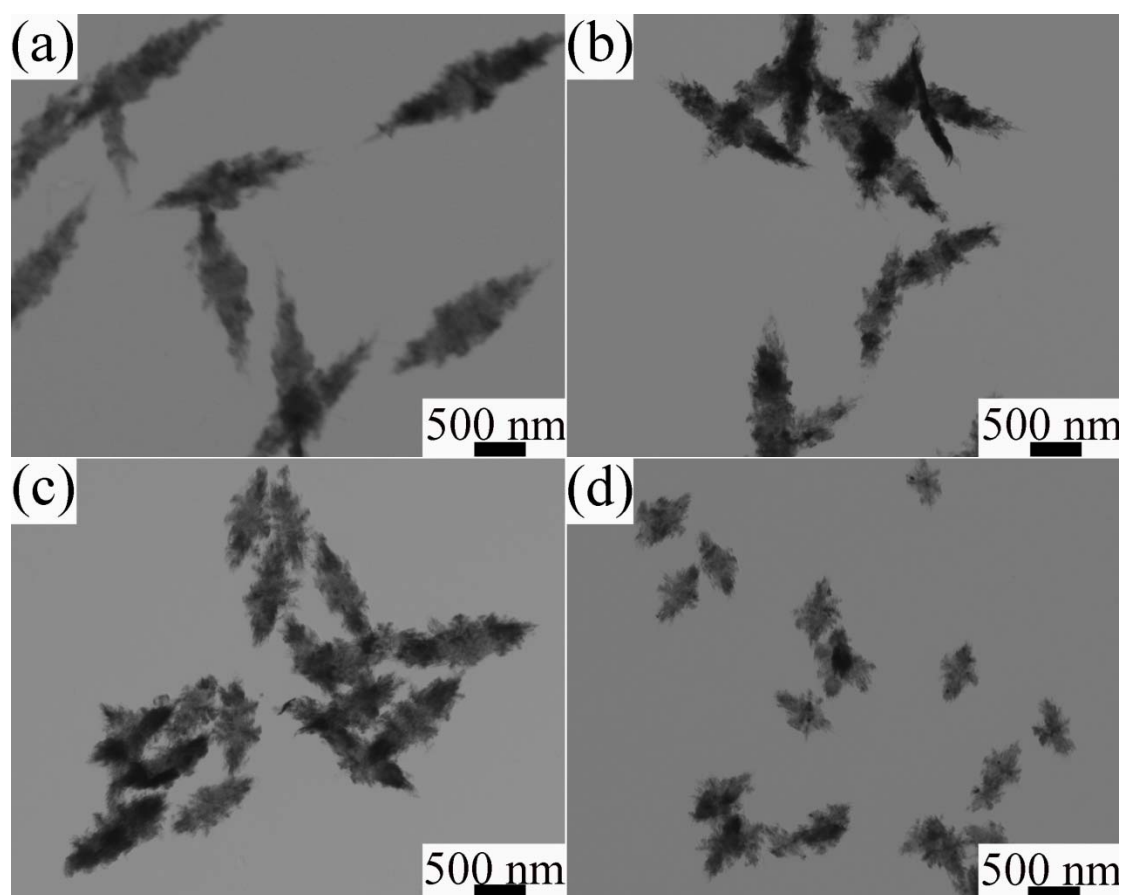


Fig. S2 TEM images of the synthesized CuO nanostructures obtained with different silk fibroin concentration. (a) [RSF] = 0.01 wt%, (b) [RSF] = 0.05 wt%, (c) [RSF] = 0.1 wt%, (d) [RSF] = 0.2 wt%.