

Supplementary material:

Fig.S1 TEM image of alginate nanocapsules without drug (a), and cumulative release of methylene blue from alginate nanocapsules with different amount of loaded drug (b).

Fig.S2 Microscopic images of Alg (a), Alg-E6 (b) and Alg-E12 (c) fibers after immersion in distilled water for 20 min.

Fig.S3 Processes of swelling and gel-formation of alginate fibers in different solutions.

Fig.S4 Fitting curves of pseudo-first-order kinetics model of Alg (a_{1-3}), Alg-E6 (b_{1-3}) and Alg-E12 (c_{1-3}) fibers in distilled water (a_1-c_1), A solution (a_2-c_2), and PBS buffer solution (a_3-c_3).

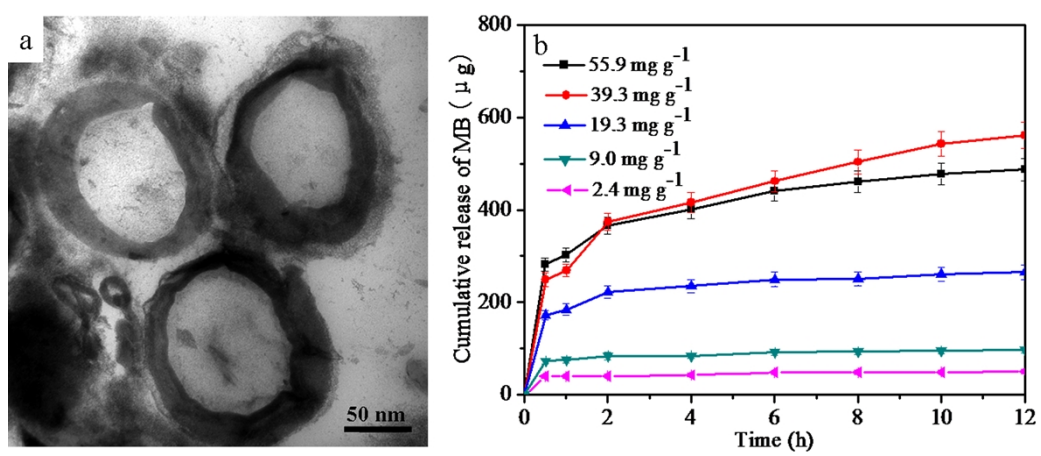


Fig. S1 *Liu et al.*

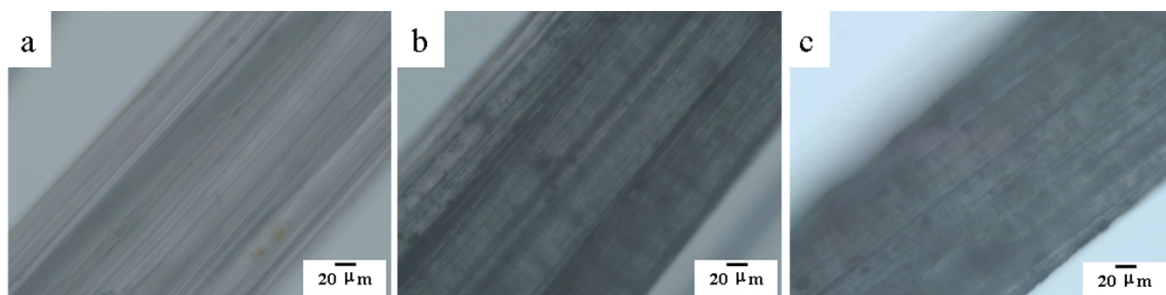


Fig. S2 *Liu et al.*

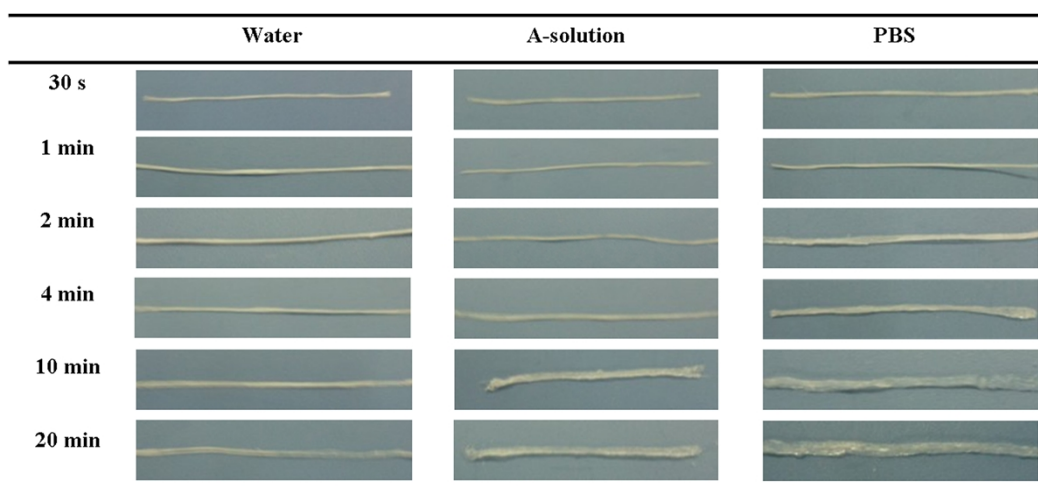


Fig. S3 Liu et al.

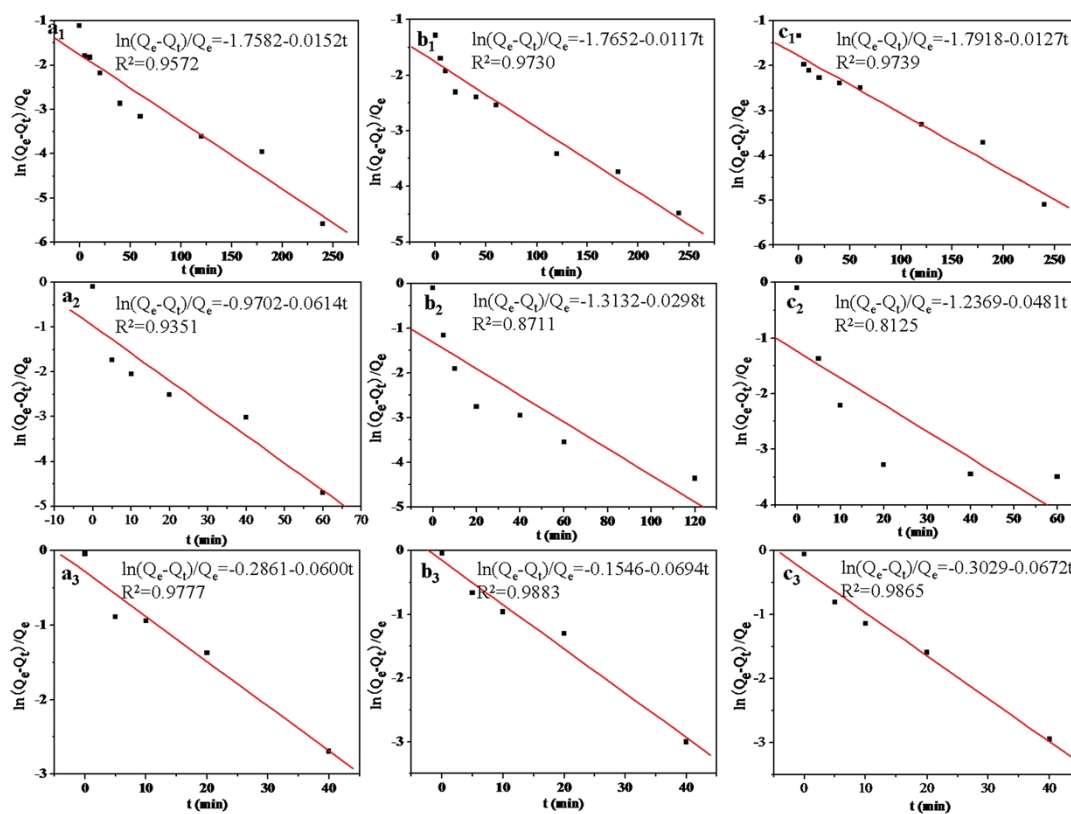


Fig. S4 Liu et al.