Supporting Information

Self-Assembled Regenerated Silk Fibroin Microsphere-Embedded Fe₃O₄ Magnetic Nanoparticles for Immobilization of Zymolyase

Menglin Xiao, Shanshan Lv*

State Key Laboratory of Organic-Inorganic Composite Materials, Beijing University of Chemical

Technology, 15 BeisanhuanDong Road, Chaoyang District, Beijing 100029, China

*Corresponding Author: E-mail: lvshanshan@mail.buct.edu.cn.

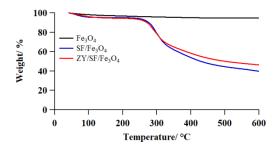


Figure S1. TGA analysis of Fe₃O₄, SF/Fe₃O₄, and ZY/SF/Fe₃O₄, showing that the coating efficiency of SF on SF/Fe₃O₄ was \sim 55%.

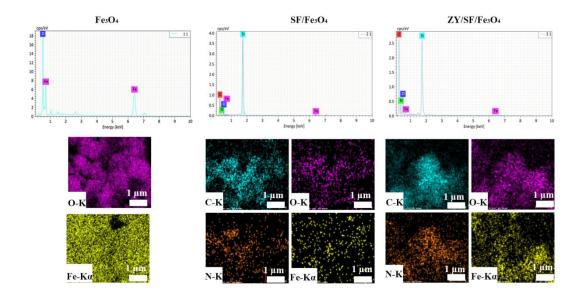


Figure S2. EDS mapping of Fe $_3O_4$, SF/Fe $_3O_4$ and ZY/SF/Fe $_3O_4$.

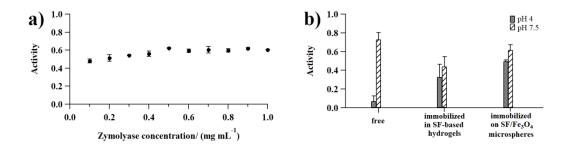


Figure S3. Enzymolysis assays. a) Activity of free zymolyase at different enzyme concentrations. b)

Activity of free and immobilized zymolyase in different immobilization methods.