

Preparation of IDA-Cu Functionalized Core/Satellite Fe_3O_4 /Polydopamine/Au Magnetic Nanocomposites and Its Application for Depletion of Abundant Protein in Bovine Blood

Min Zhang,^a Xiwen He,^a Langxing Chen^{*a} and Yukui Zhang ^{*a,b}

^a Department of Chemistry, Nankai University, Tianjin 300071, P.R. China

^b Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian 116011,
P. R. China

Corresponding author: Tel.: +86 22 23505091; fax: +86 22 23502458.

E-mail address: lxchen@nankai.edu.cn (L. X. Chen), ykzhang@dicp.ac.cn (Y. K. Zhang)

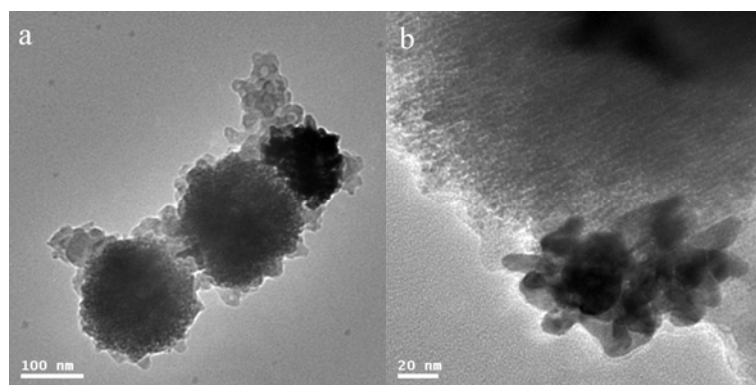


Figure S1. TEM images of the as-prepared Fe_3O_4 / polydopamine/Au nanocomposite with one-pot reaction.

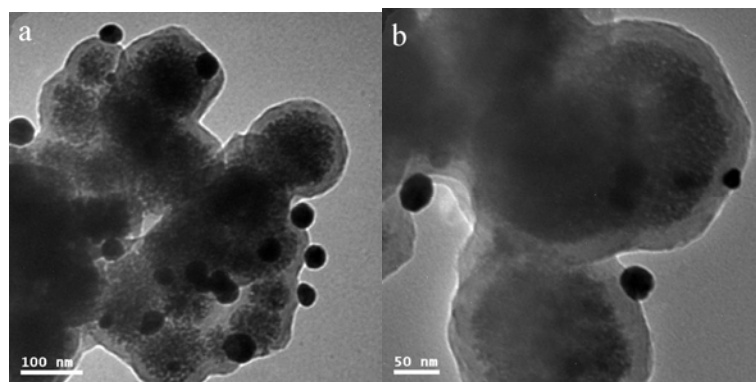


Figure S2. TEM images of the as-prepared Fe_3O_4 / polydopamine/Au composite NPs with core/shell nanostructure after sonicated for 30 min at different magnification.

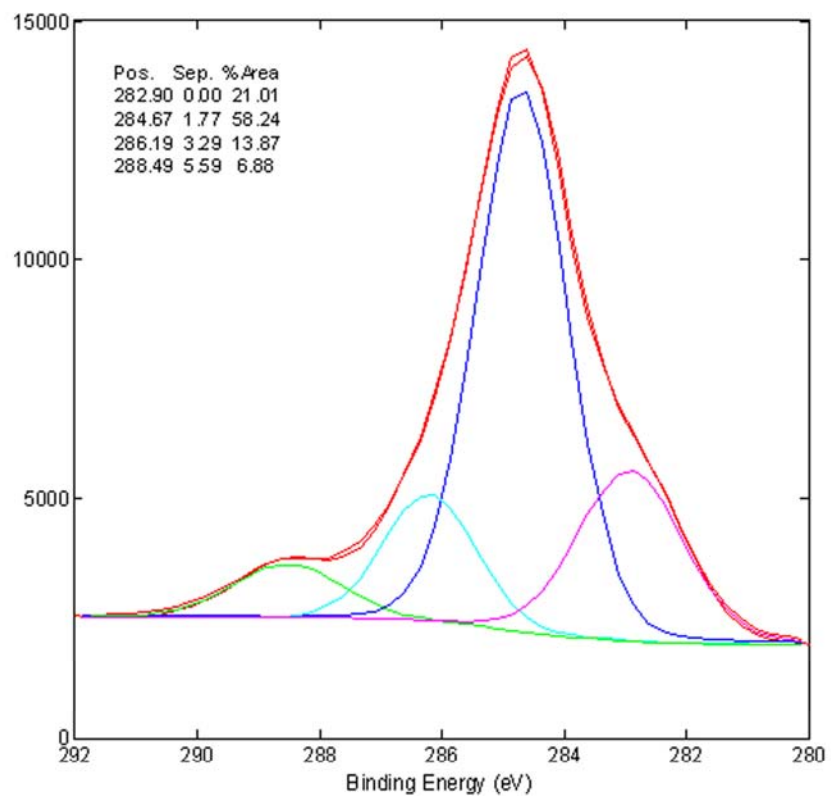


Figure S3. X-ray photoelectron spectrum of C1s for Fe₃O₄/polydopamine/Au/IDA-Cu NPs.