Supporting Information

Silica Coated Super-paramagnetic Iron Oxide Nanoparticles (SPIONPs): A New Type Contrast Agent of $T_1$ Magnetic Resonance Imaging (MRI)

M. Zubair Iqbal, Xuehua Ma, Tianxiang Chen, Ling’e Zhang, Wenzhi Ren, Lingchao Xiang, Aiguo Wu*

Key Laboratory of Magnetic Materials and Devices, & Division of Functional Materials and Nanodevices, Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences, No. 1219 ZhongGuan West Road, 315201, Ningbo, China

*Corresponding author Email: aiguo@nimte.ac.cn

Tel:  86 574 87617278;  Fax: +86-57486685163

Figure S1. The transverse ($T_2$) relaxation time of silica coated SPIONPs
Figure S2. SDS-PAGE gel of the protein corona of the as-synthesized NPs after incubation in fetal bovine serum (FBS) medium for 24 hours