

Electronic Supplementary Information

Purification of Nitrogen-doped graphene quantum dots via liquid-liquid extraction system of Tetrahydrofuran-(NH₄)₂SO₄-Water and its application to sensitive iron (III) ions determination

WenJun Zhang,^{*a} Shaokang Tang^a, Shaopei Zhang^a and Yi Chen^a

School of Chemical Engineering, Hebei University of Technology, Tianjin
300130,
China

***Correspondence information: Wenjun Zhang, Institute of Chemical
Technology,
Hebei University of Technology, Tianjin, 300130, China, E-mail:
wjzhang@hebut.edu.cn. Fax: +022 6020 4294.**

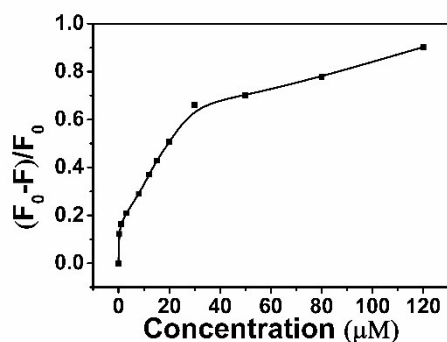


Figure S1. plot of $(F_0-F)/F_0$ versus concentration of Fe³⁺ (0.20-120 μ M). F₀ and F are the FL intensities at 435 nm in the absence and presence of Fe³⁺ ions, respectively.