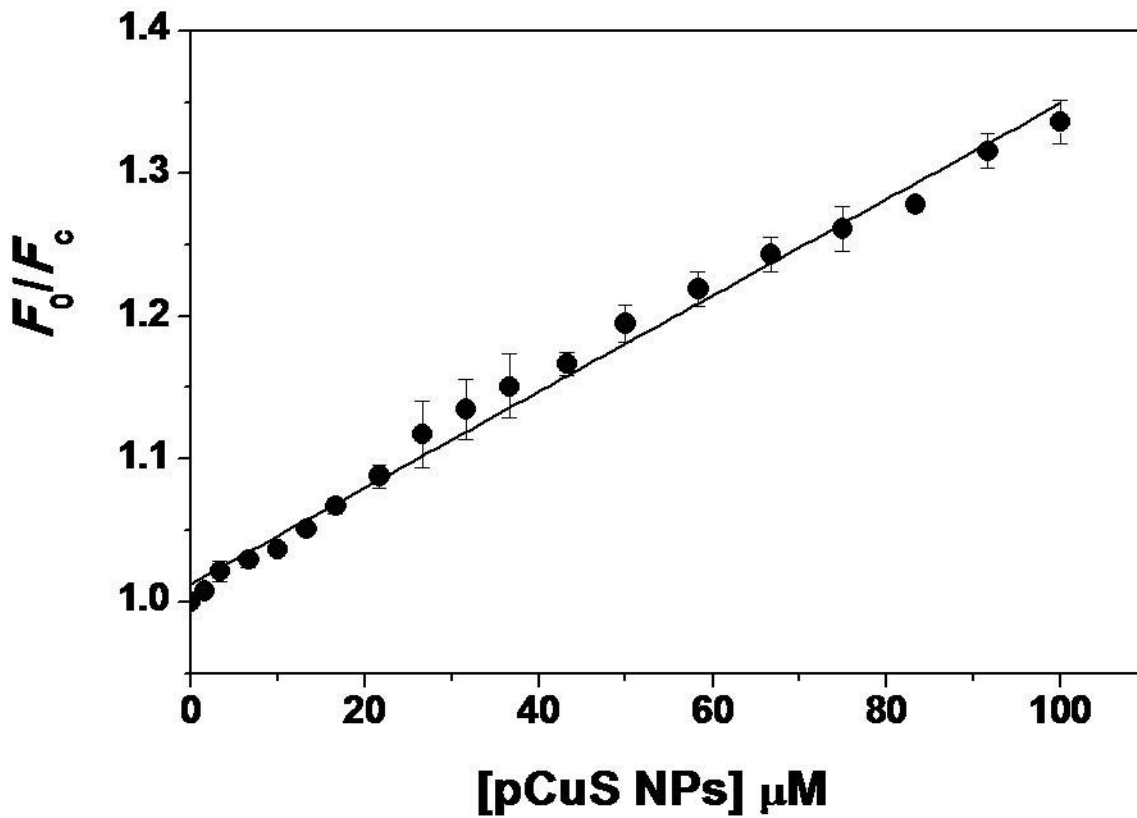


Supporting Fig. S1: TEM image of pCuS NPs. It shows that particles are spherical and the particle size range from 3-14 nm.



Supporting Fig. S2: Stern-Volmer plot. The linear plot indicates the interaction is static ($R^2 = 0.9902$). The experiments are performed in triplicate.