

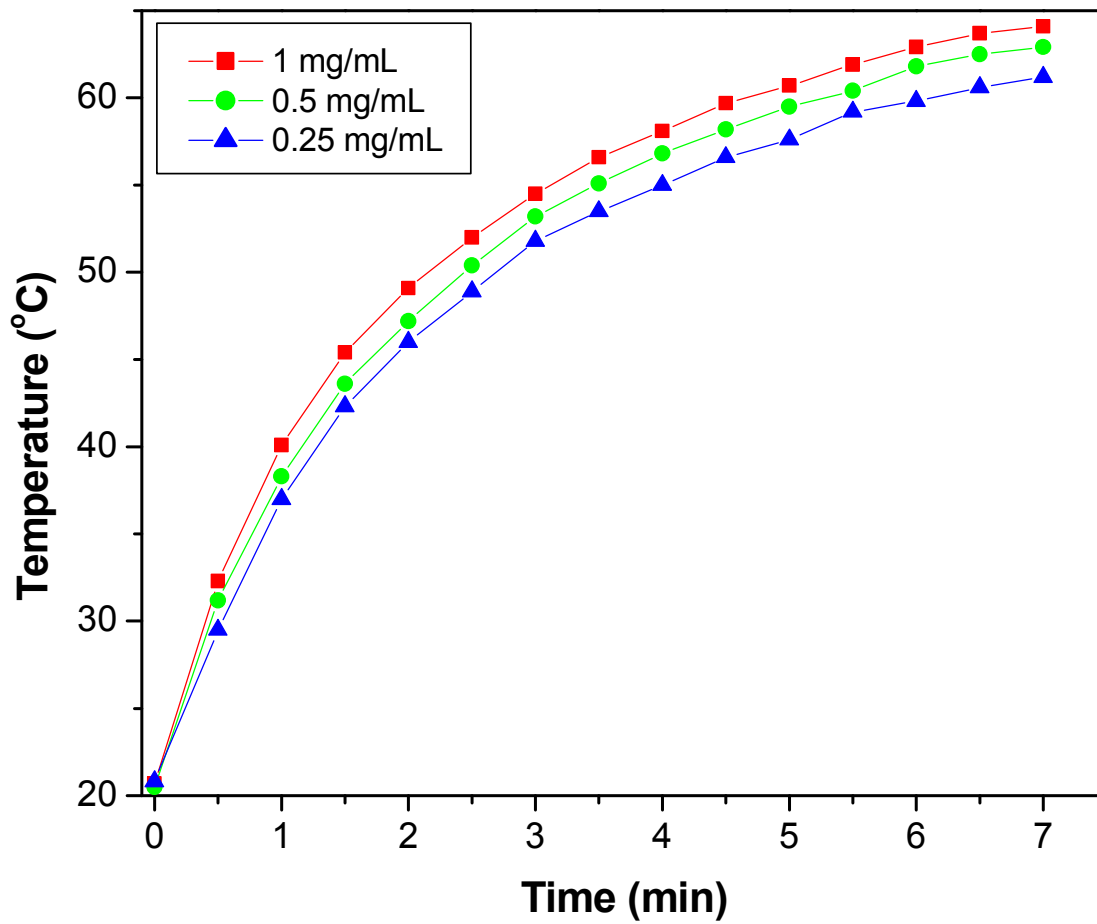
## **Supporting Information**

### **Advancement in Photothermal Effect of Carbon Nanotubes by Grafting of Poly(amidoamine) and Deposition of CdS Nanocrystallites**

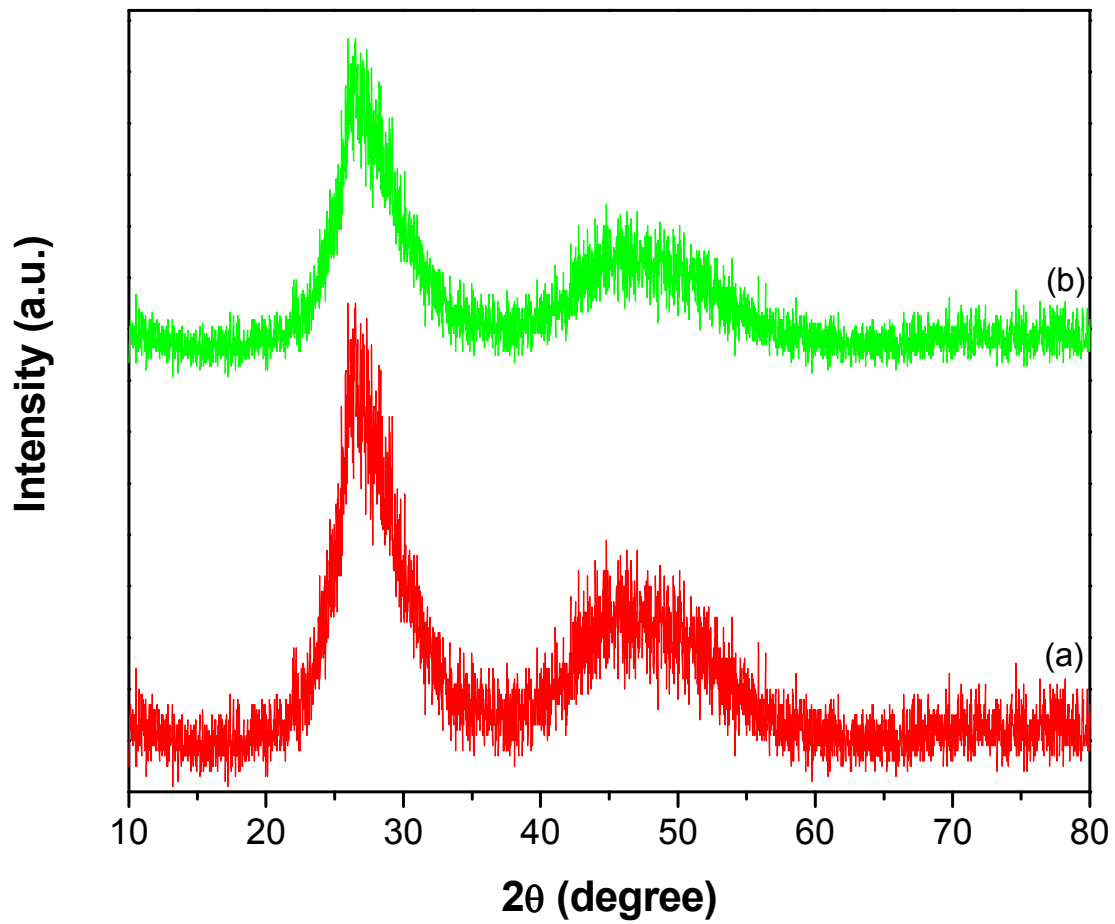
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**Figure S1** Photothermal effect of CNTs-PAMAM/G4-CdS at different concentrations.



**Figure S2** XRD patterns of CNTs-PAMAM/G4-CdS (a) before and (b) after applying in three successive cycles of photothermal effect.