

Supplementary information

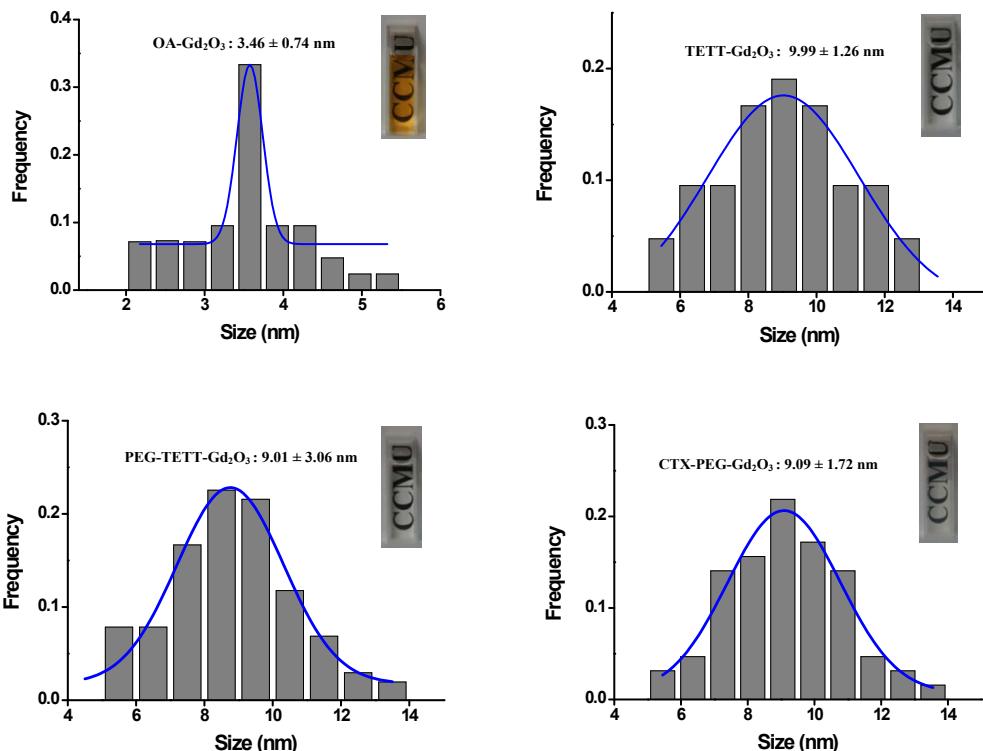


Fig. S1 Size distribution of OA-Gd₂O₃, TETT-Gd₂O₃, PEG-TETT-Gd₂O₃, and CTX-PEG-Gd₂O₃ NPs. Insets: digital pictures of dispersions of OA-Gd₂O₃, TETT-Gd₂O₃, PEG-TETT-Gd₂O₃, and CTX-PEG-Gd₂O₃ NPs (20mg/mL).

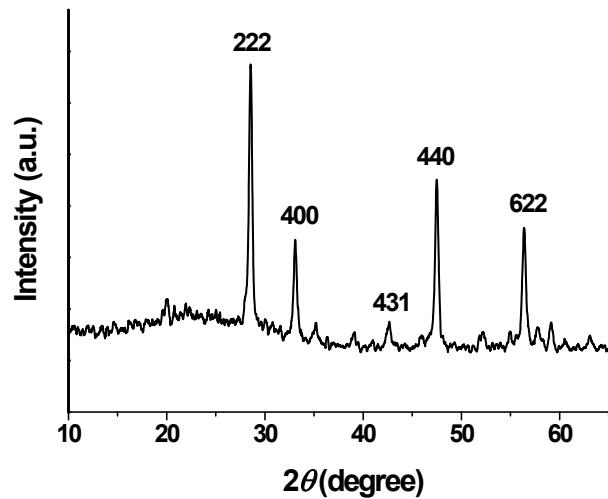


Fig. S2 XRD pattern of CTX-PEG-Gd₂O₃ NPs (calcined at 700 °C for 3 h).

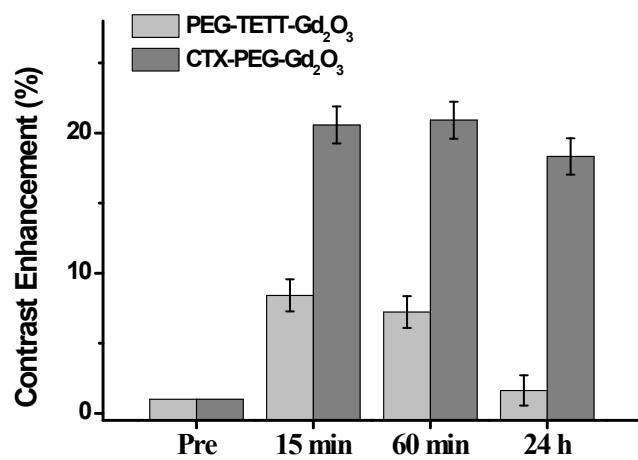


Fig. S3 Quantitative analysis of the contrast enhancement.