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Supporting Information

Facile synthesis of manganese silicate nanoparticles for pH/GSH-responsive T₁-weighted magnetic resonance imaging

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Supplementary figures

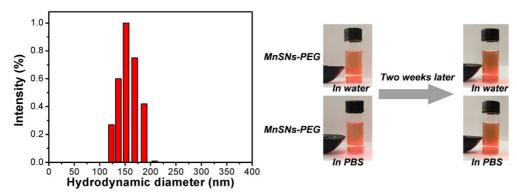


Fig. S1 DLS profiles of MnSNs in PBS and photographs of MnSNs-PEG in aqueous suspensions showing the Tyndall effect.

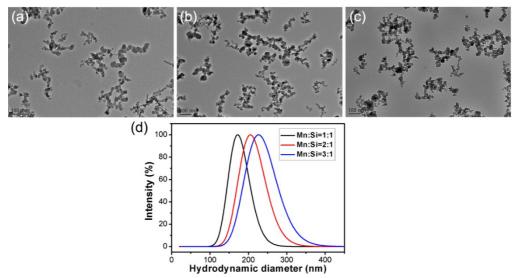


Fig. S2 Size variation of MnSNs by changing the feed Mn/Si molar ratios of a) 1:1, b) 2:1, c) 3:1 and d) the corresponding DLS profiles.

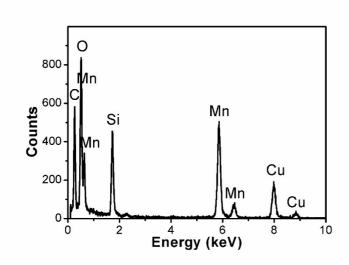


Fig. S3 EDX pattern of MnSNs.

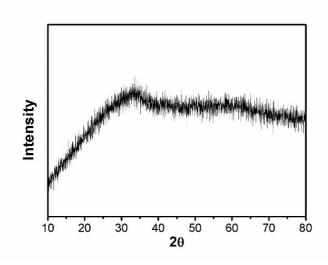


Fig. S4 XRD pattern of MnSNs.

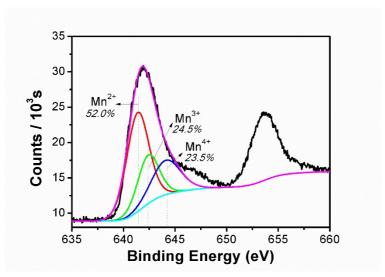


Fig. S5 XPS of MnSNs.

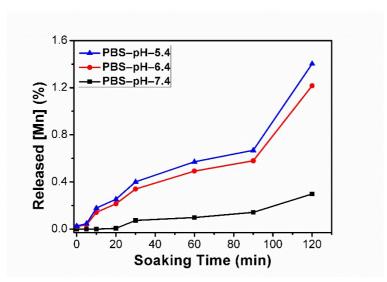


Fig. S6 The dynamic Mn release of MnSNs in buffer solutions at varied pH values vs soaking time.

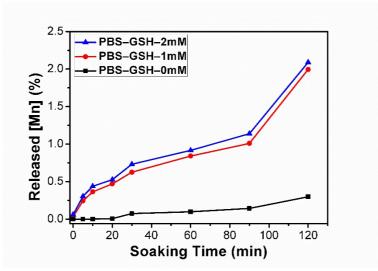


Fig. S7 The dynamic Mn release of MnSNs in buffer solutions containing varied GSH concentrations vs soaking time.