

Supporting Information

Synthesis of Paramagnetic Polymers Based on Polyethyleneimine(PEI)

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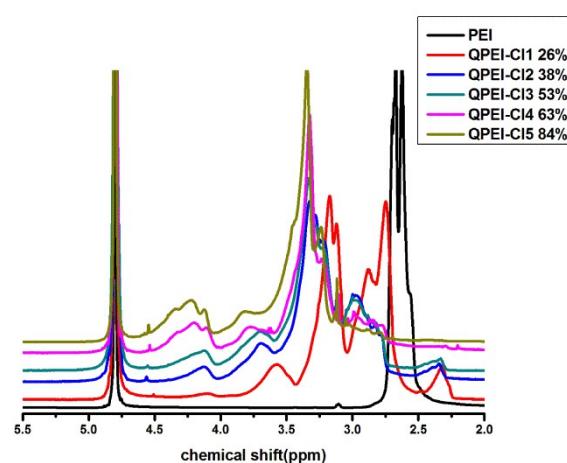


Fig. S1. ^1H -NMR spectra of linear PEI (Mw 10k) and corresponding QPEIs in D_2O .

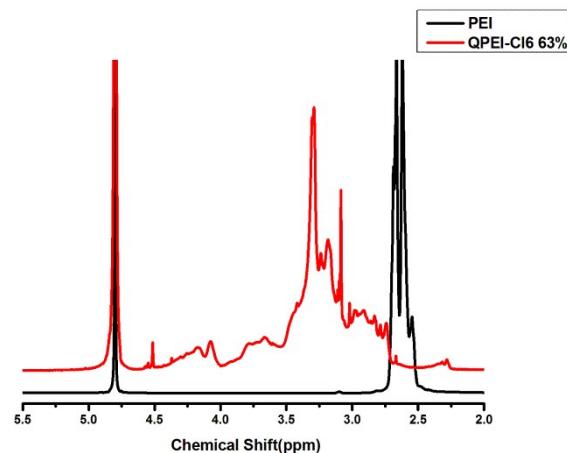


Fig. S2. ^1H -NMR spectra of linear PEI (Mw 1.8k) and corresponding QPEI in D_2O .

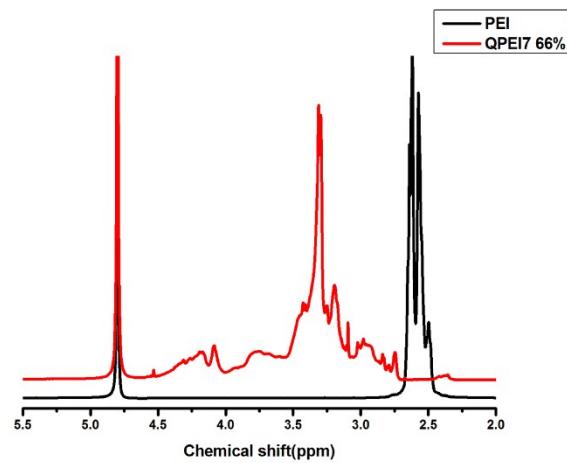


Fig. S3. ¹H-NMR spectra of linear PEI (Mw 0.6k) and corresponding QPEI in D₂O.

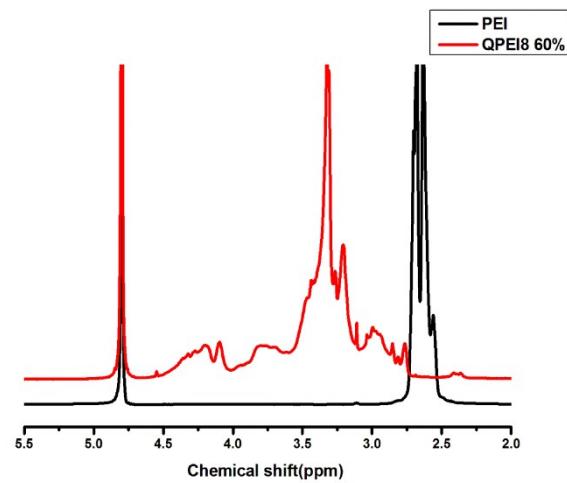


Fig. S4. ¹H-NMR spectra of branched PEI (Mw 10k) and corresponding QPEI in D₂O.

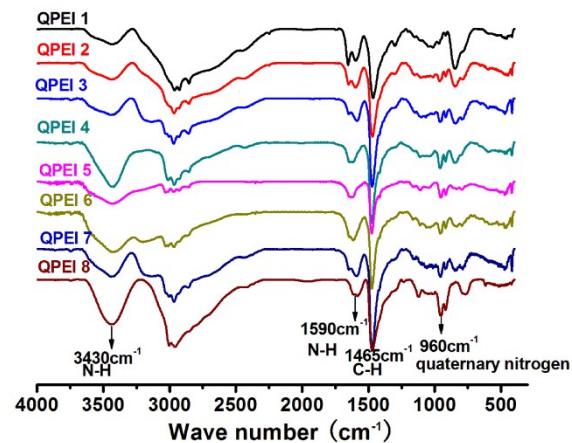


Fig. S5. FTIR spectra of QPEIs.

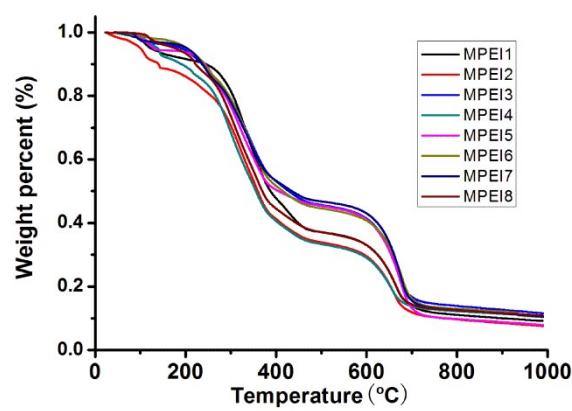


Fig. S6. TGA curves for PEI based magnetic polymers MPEI1-MPEI8.