

Supplementary Information

Fluorescent PET probe based on polyethyleneimine-Ag nanoclusters as a reversible, stable and selective broad-range pH sensor

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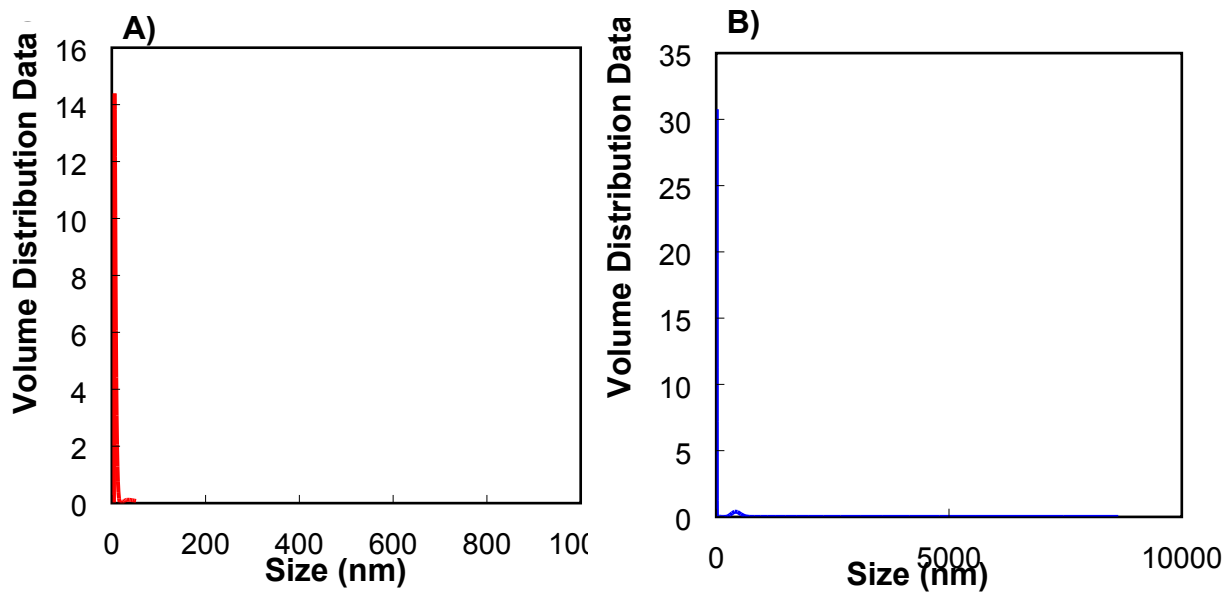


Fig. S1 DLS graph of size distribution of A) PEI-AgNCs and B) PEI-CuNCs.

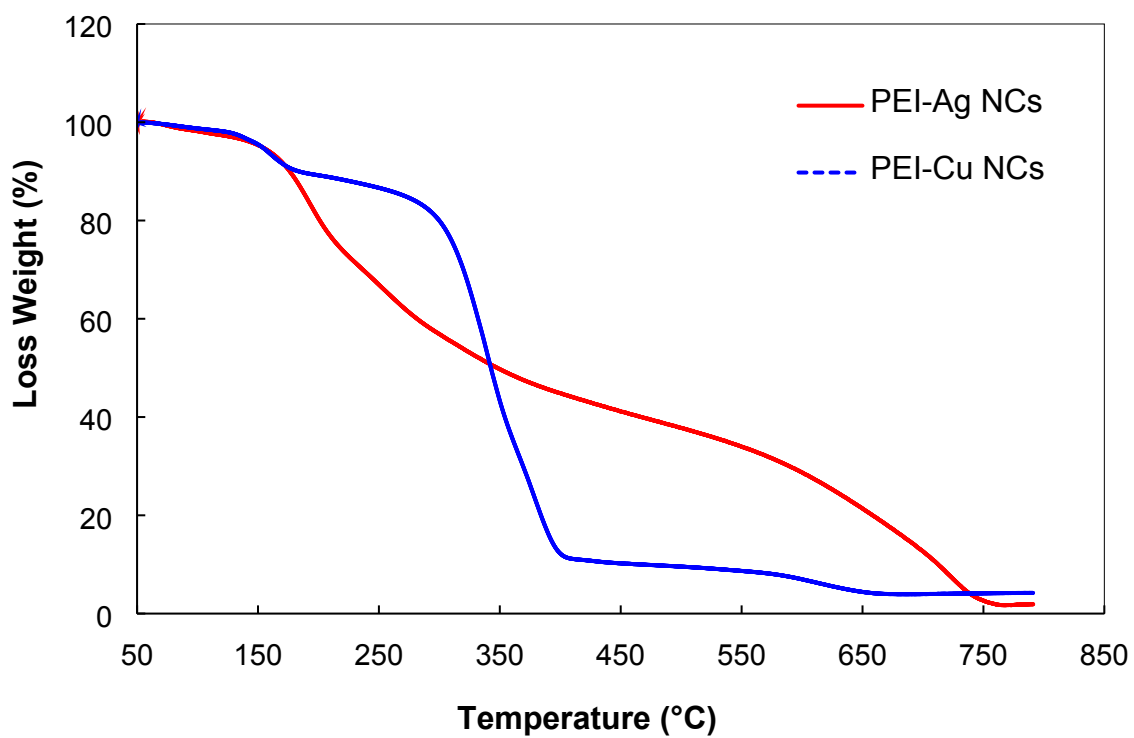


Fig. S2 Thermogravimetric analysis of synthesized NCs.

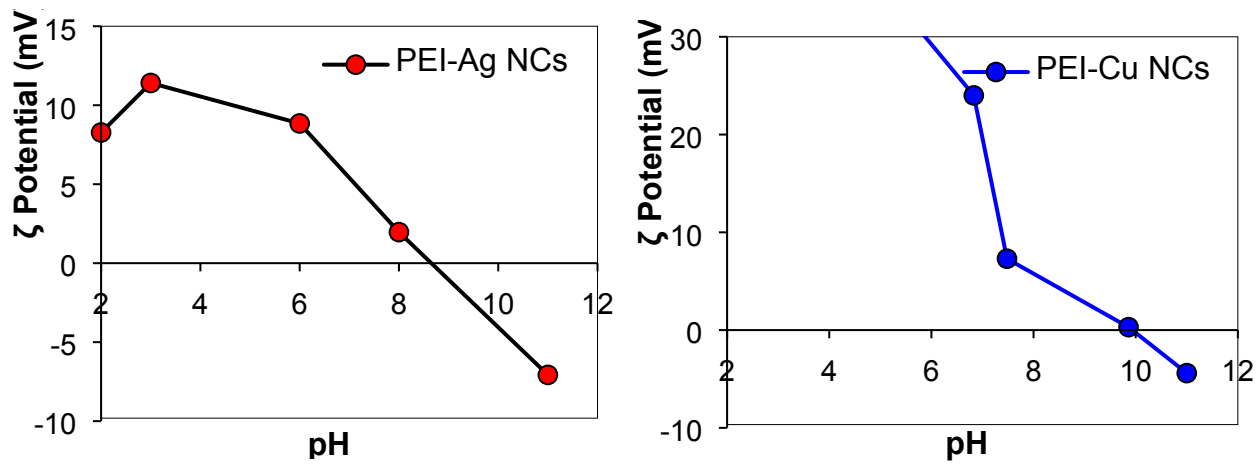


Fig. S3. Potential ζ of the NCs at different pH values.

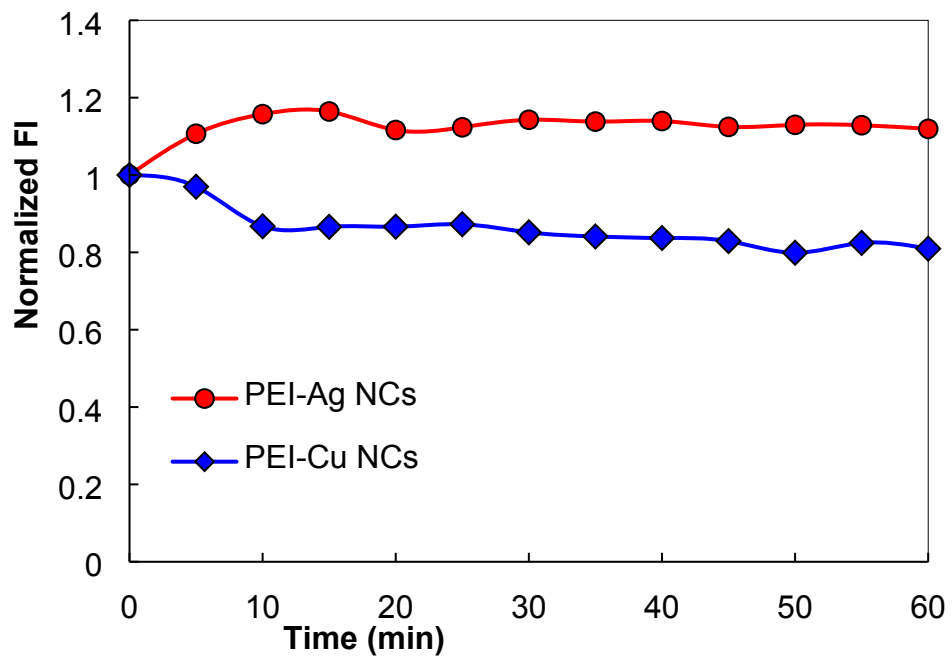


Fig. S4. Photostability study of PEI-AgNCs and PEI-Cu NCs.

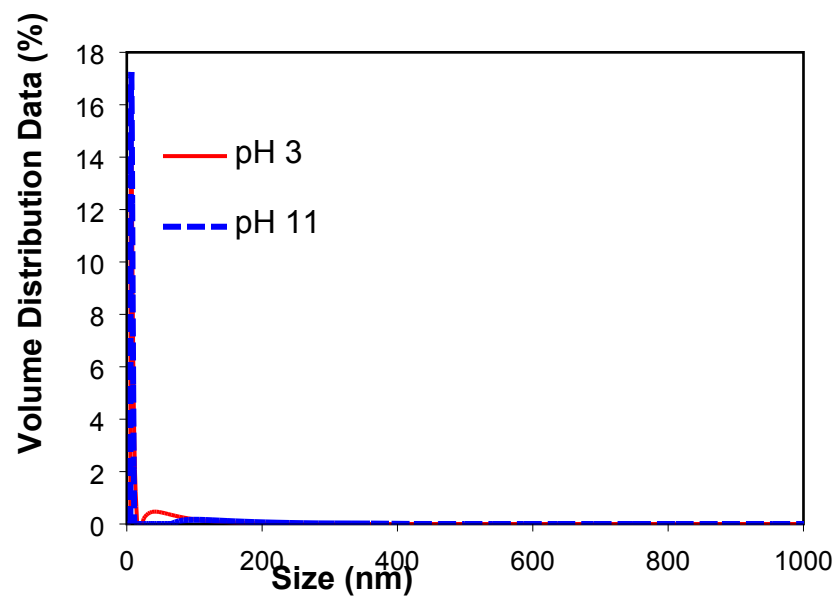


Fig. S5. DLS graph of size distribution of PEI-AgNCs at pH 3 and 11.

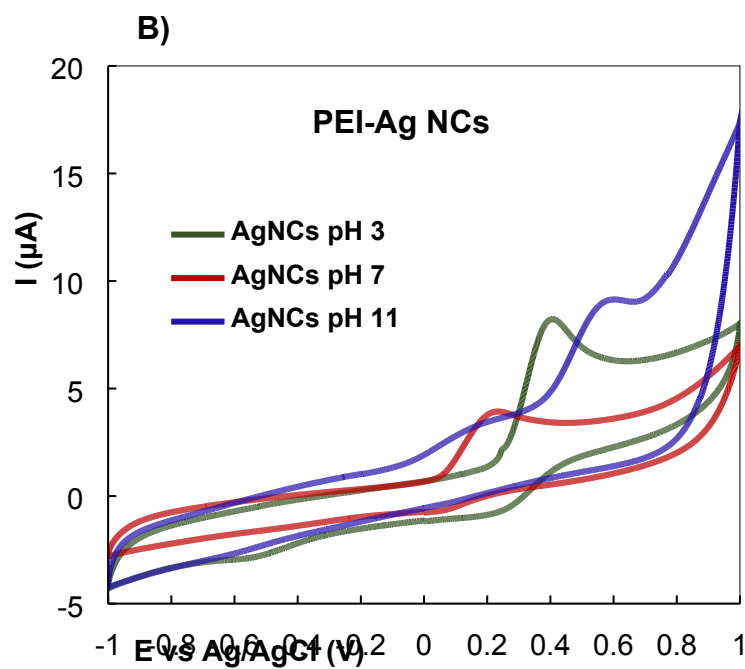
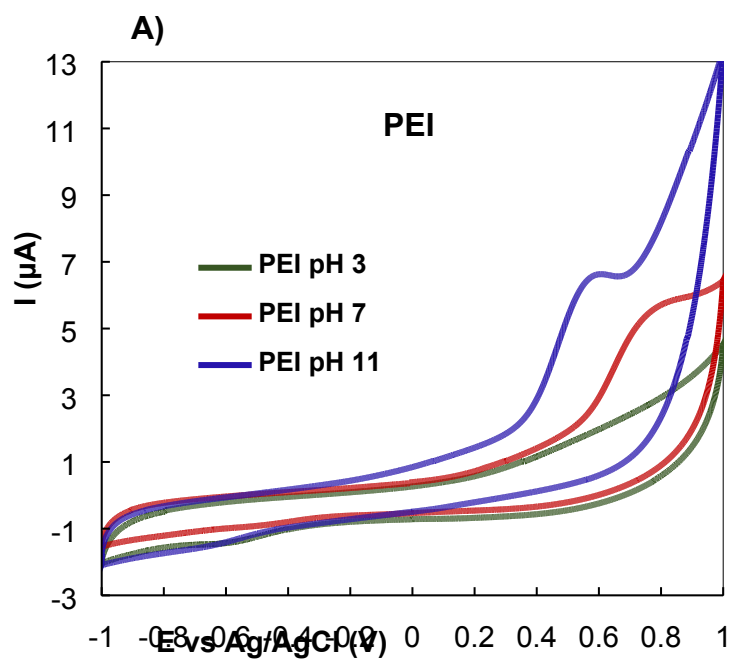


Fig. S6 Cyclic Voltammetry of A) PEI and B) PEI-AgNCs at different pHs.