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Supplementary Information

Stability enhancement of InP quantum dot/poly(methyl methacrylate) nanocomposite for light-emitting diode applications by grafting thermoresponsive poly(N-isopropylacrylamide)

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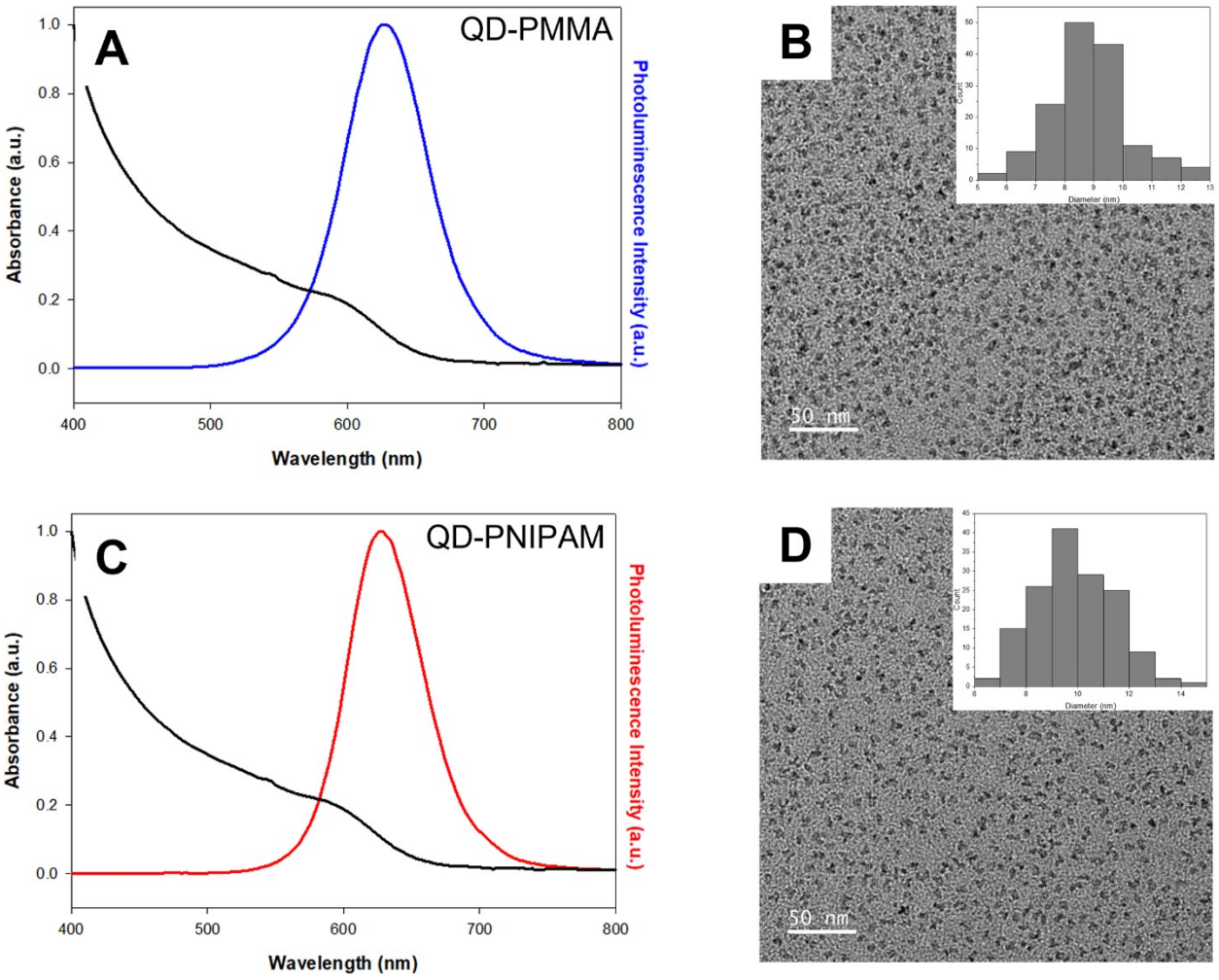

Fig. S1. (A, C) Absorption and emission spectra and (B, D) TEM image of polymer-grafted QDs.

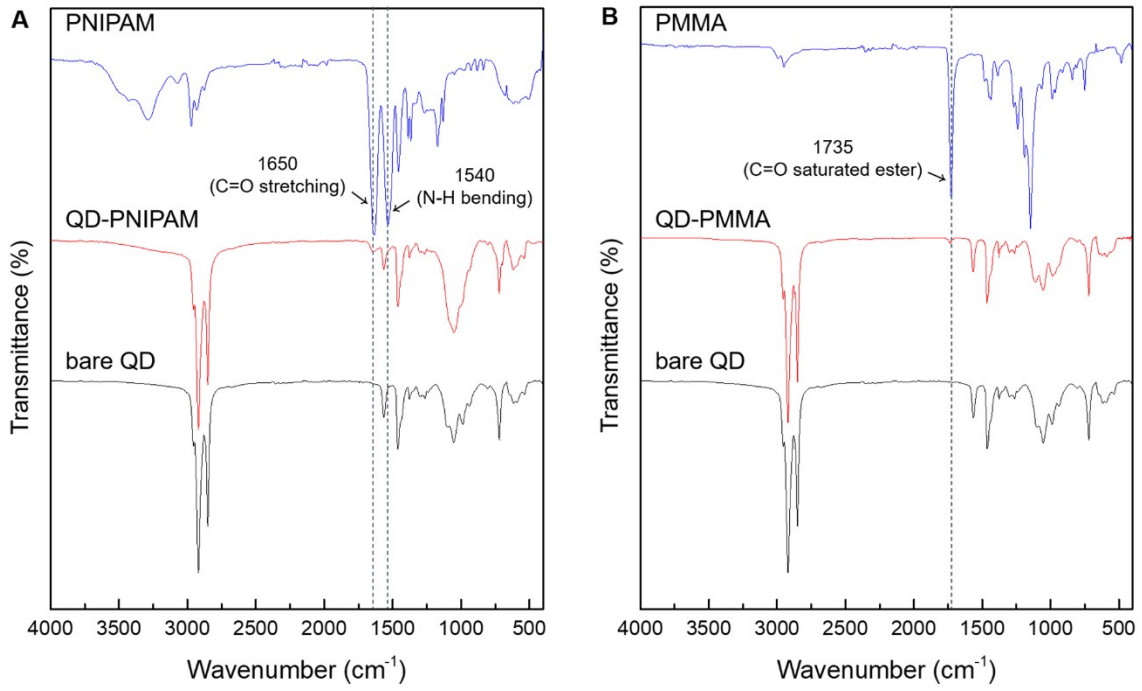

Fig. S2. FTIR spectra of bare QDs, (A) QD-PNIPAM, and (B) QD-PMMA.

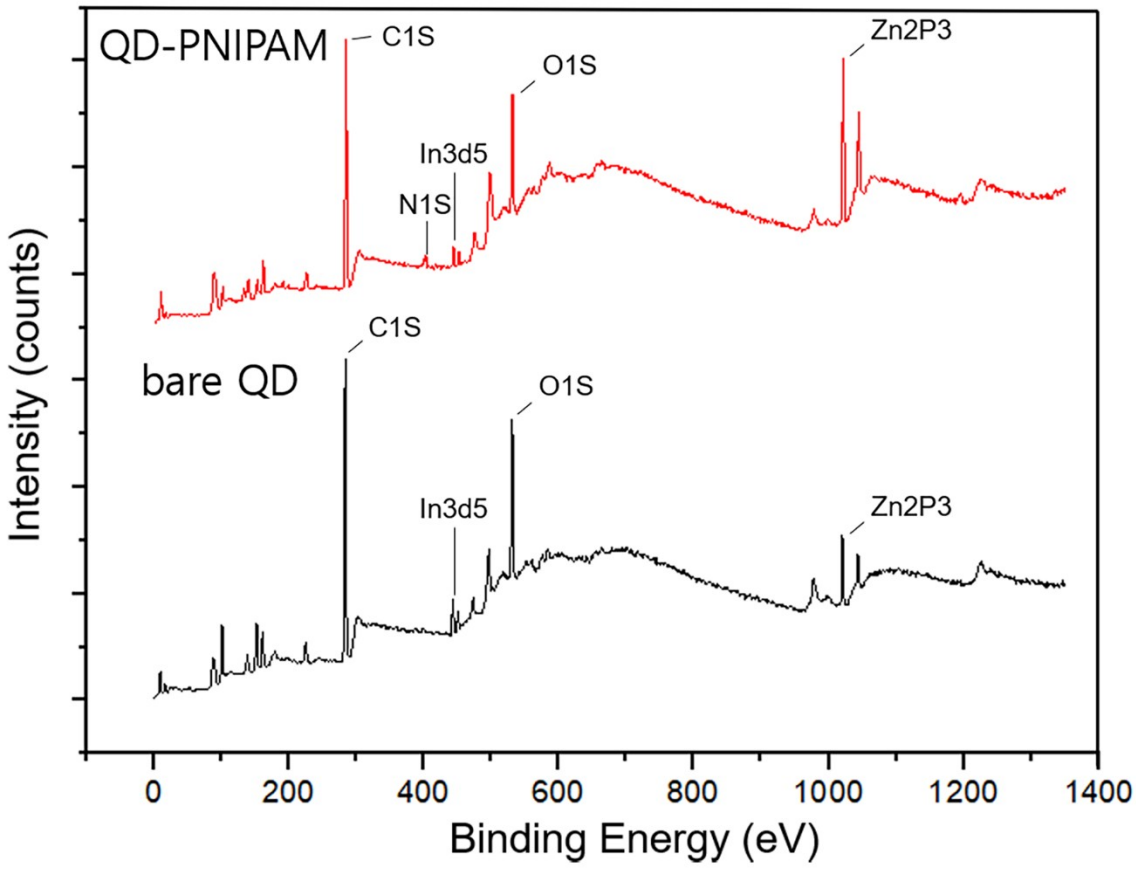

Fig. S3. XPS survey spectrum of QD-PNIPAM.

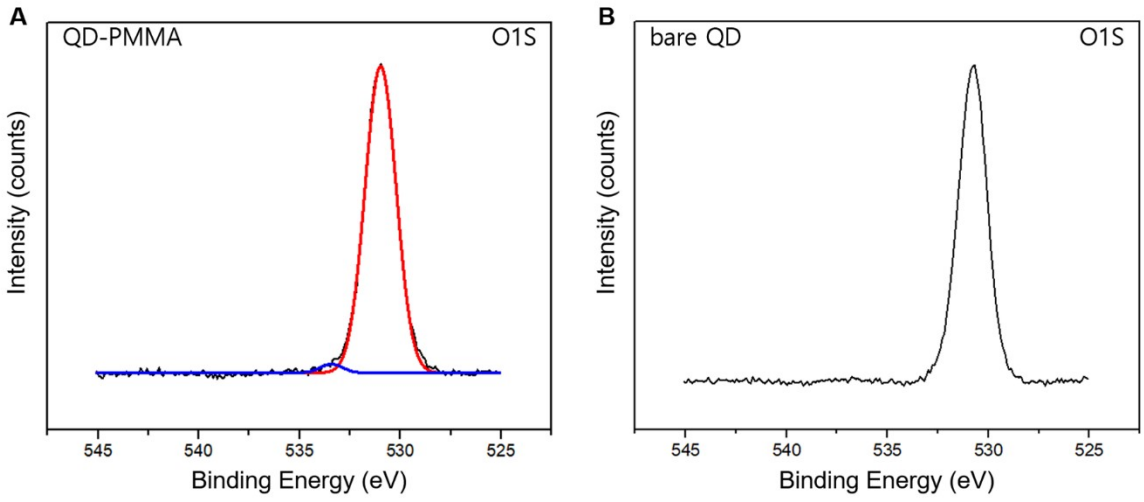

Fig. S4. XPS spectra of O1S photoelectron peaks of (A) QD-PMMA and (B) bare QDs.