Supporting Information

Janus Colloidal Dimer by Intramolecular Cross-linking in Concentrated Solutions

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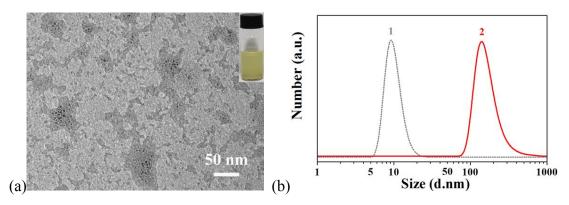


Figure S1. (a) TEM image of the system by cross-linking with DIP at 20 mg/mL; (b) DLS curves of PI_{10k} -b-P4VP_{15k} (1) and the crosslinked system (2).

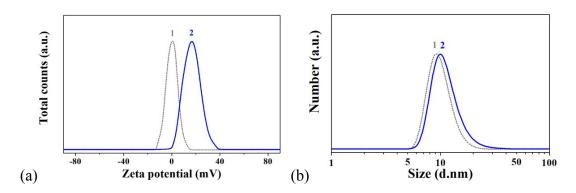


Figure S2. (a, b) Zeta potential and DLS curves of PI_{10k} -b-P4VP_{15k} (1) and $PI@NH_2 \cdot HCl$ -b-P4VP after the modification with MAHC (2).

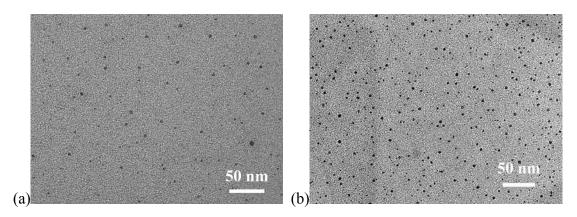


Figure S3. (a) TEM image of the as-synthesized PI-*c*P4VP without staining; (b) TEM image of PI-*c*P4VP after a preferential growth of Au.

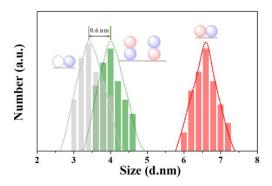


Figure S4. The size statistics by Image J of Au/cPI-cP4VP composite dimer after the hydrophobic modification with 1-octanethiol, inset the as-synthesized cPI-cP4VP (gray) without staining.

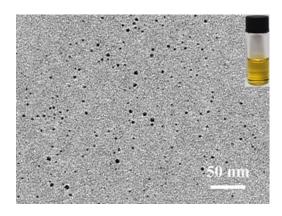


Figure S5. TEM image of the *c*PI-*c*P4VP dimer achieved by the electrostatic-mediated intramolecular cross-linking with DIP at 100 mg/mL.