Supplementary Information

Functional Sandwich-like Organic/Inorganic Nanoplates from Gelable Triblock Terpolymers

Ke Zhang, Lei Gao, Cheng Zhang, Yongming Chen*

State Key Laboratory of Polymer Physics and Chemistry, Joint Laboratory of Polymer Sciences and Materials, Institute of Chemistry, The Chinese Academy of Sciences, Beijing 100190, China.
Figure S1. TEM micrograph of the hybrid plates obtained by dispersing the gelated PTEPM$_{58}$-b-PS$_{265}$-b-P2VP$_{331}$ bulk samples in water (pH = 2) after a pH cycle.

Figure S2. Photographs of the pH responsive nanoplates formed by PTEPM$_{58}$-b-PS$_{265}$-b-P2VP$_{331}$ loaded with gold nanoparticles at (A) pH = 2, (B) pH = 10 and (C) pH = 2.
Figure S3. TEM micrograph of the hybrid plates formed by PTEPM$_{58}$-b-PS$_{265}$-b-P2VP$_{331}$ loaded with gold nanoparticles dispersed in water (pH = 2) after a pH cycle. The inset is the magnification of circled area.

Figure S4. TEM micrographs of the hybrid nanoplates formed by PTEPM$_{58}$-b-PS$_{265}$-b-P2VP$_{331}$ loaded with gold nanoparticles dispersed in THF. Inset is magnification of circled area.
Figure S5. TEM micrograph of the hybrid plates of PTEPM$_{58}$-b-PS$_{265}$-b-P2VP$_{331}$ modified with 1-bromohexane in CHCl$_3$.

Figure S6. TEM micrograph of the hybrid plates of PTEPM$_{58}$-b-PS$_{265}$-b-P2VP$_{331}$ modified with 1-capric acid complexation in CHCl$_3$. 