Supporting information
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Surface modification of supramolecular nanotubes and selective guest capture

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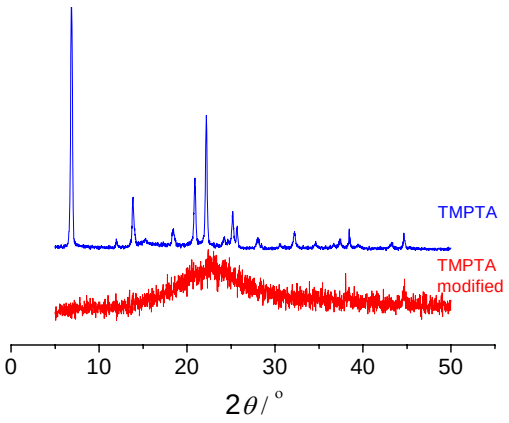

Fig. S1 PXRD patterns of TMPTA nanotubes and modified TMPTA nanotubes.

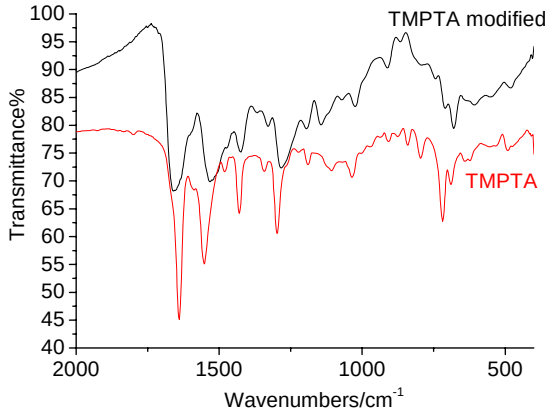

Fig. S2 FT-IR spectra of TMPTA nanotubes and modified TMPTA nanotubes.

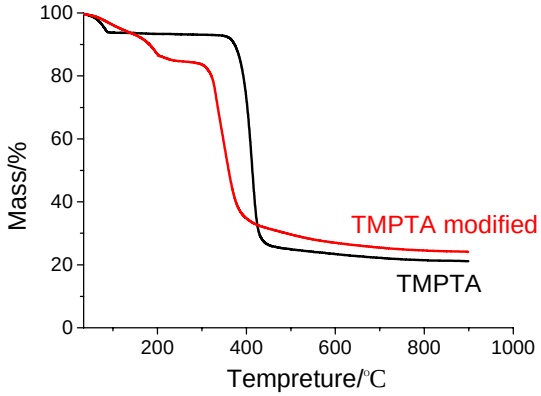

Fig. S3 TGA curve of TMPTA nanotubes and modified TMPTA nanotubes showing the modified nanotubes were less thermally stable than the unmodified ones which decomposed above 360 ^{o}C.

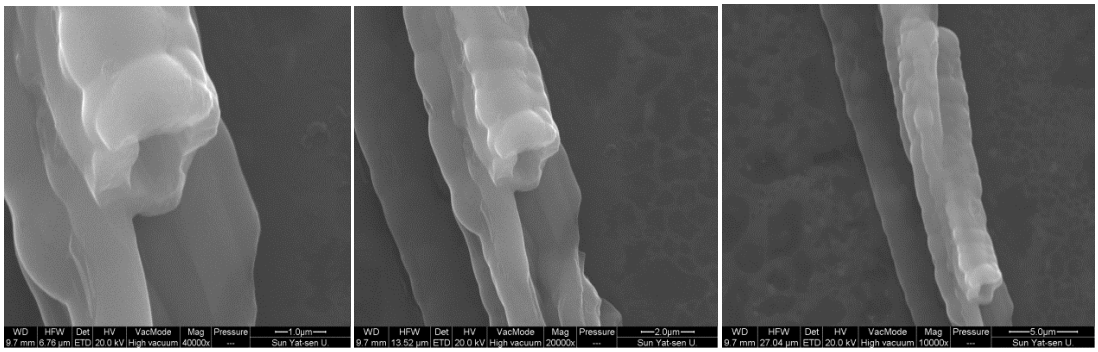

Fig. S4 SEM images of modified TMPTA nanotubes after immersing in concentrated HCl for 2 d.

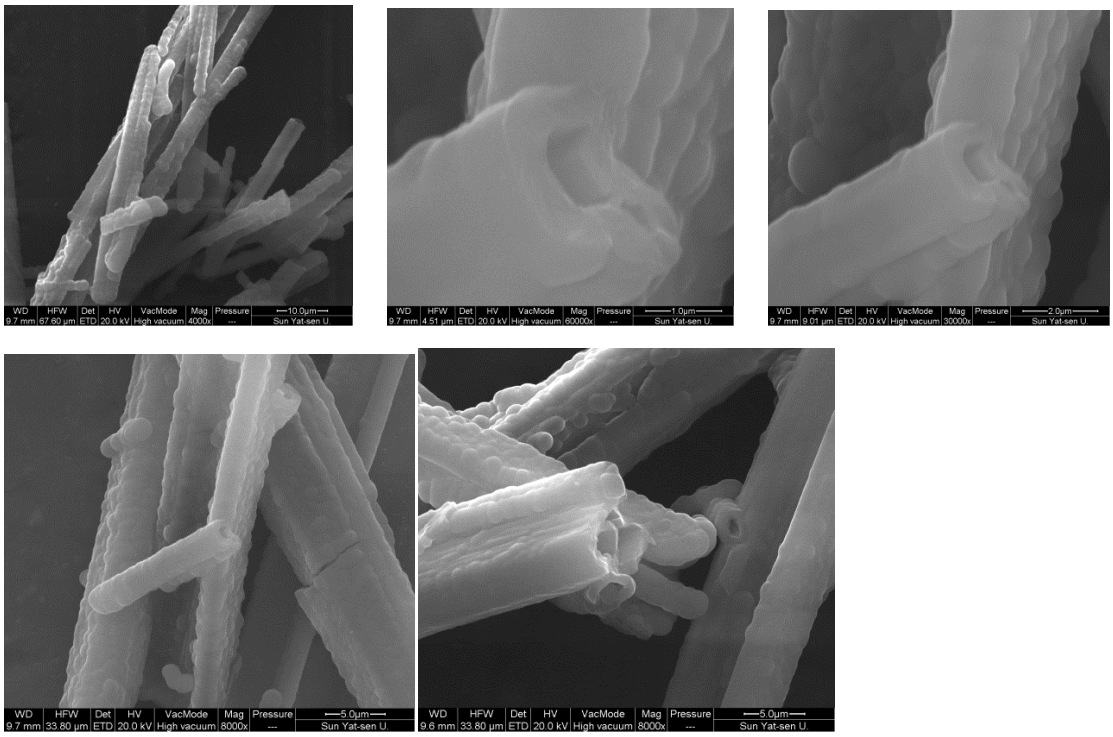

Fig. S5 SEM images of modified TMPTA nanotubes after immersing in NaOH solution (pH = 12) for 2 d.

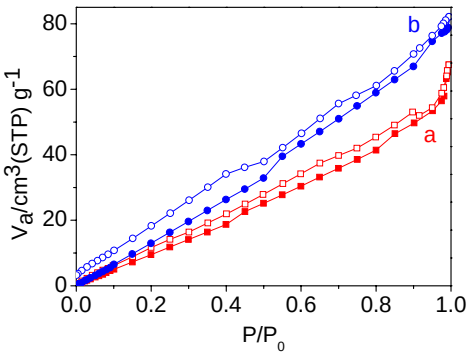

Fig. S6 N_2 adsorption-desorption isotherms of a) TMPTA nanotubes and b) modified TMPTA nanotubes at 77 K.

Table S1 Parameters of the pseudo-second-order rate equation for various dyes.

Dye	BBR-250	MO	MB	CR	OG
$1/q_e$	0.00133	0.00107	0.00164	0.000776	0.000748
$1/k_2q_e^2$	0.00326	0.00401	0.00129	0.000856	0.00243
k_2	0.000543	0.000286	0.00208	0.000703	0.000230
R^2	0.99784	0.99846	0.99985	0.99993	0.99962