Supplementary Materials

Figure S1. The representative GPC curve of PU (methods were listed in the experimental section: polymer characterization).

Figure S2. The representative GPC curve of PU-PEI600.

Figure S3. The representative GPC curve of PU-PEI600-maleimide.
Figure S4. The buffering capacity profile of PU, PU-PEI600-maleimide and PEI25K.

Figure S5. FT-IR of PU-PEI600.
Figure S6. NMR of PU-PEI600.
Figure S7. FT-IR of PU-PEI_{600}-maleimide.
Figure S8. NMR of PU-PEI600-maleimide.