Supporting Information

Facile Preparation of a Novel Nickel-Containing Metallopolymer via RAFT Polymerization

Rong Ren, Yanhua Wang, Dizheng Liu, Weilin Sun*

Supporting Information

Figure S1. $^1$H NMR spectrum of benzimidazole derivatives.
Figure S2. $^1$H NMR (a) and $^{13}$C NMR (b) spectra of 4-Hexyloxsalicylaldehyde.

Figure S3. $^1$H NMR spectrum of HEMA-DBBA.
Scheme S1. Synthetic Route to HEMA-Salphen-Ni.

Figure S4. $^1$H NMR spectrum of SalphenNi-COOH.

Attempted synthesis of HEMA-Salphen-Cu (HSCu), HEMA-Salphen-Zn (HSZn) and their polymers
Figure S5. $^1$H NMR spectrum of HSZn.

Figure S6. $^1$H NMR spectra of HSCu and PHSCu.
Figure S7. GPC curve of PHSCu with Mn=2380, Mw/Mn=1.39.

Figure S8. Structure and $^1$H NMR spectrum of SalophenNi.
Figure S9. Cyclic voltammetry curve of SalophenNi in degassed CH$_2$Cl$_2$ with TBAPF$_6$ as supporting electrolyte, scan rate = 100 mV/s.

Figure S10. XPS spectra of HSNi and PHSNi (a); expanded view of HSNi (b) and PHSNi (c) in the region from 845 to 885 eV.