Novel redox-responsive nanogel based on poly(ionic liquid)s for the triggered loading and release of cargos

Congcong Miao,[1] Feng Li,[1] Yong Zuo,[1] Rongmin Wang,[1] and Yubing Xiong[1,2*]

[1] Key Laboratory of Eco-Environment-Related Polymer Materials, Ministry of Education; College of Chemistry and Chemical Engineering, Northwest Normal University, Lanzhou 730070, China

[2] Max Planck Institute for Polymer Research, Ackermannweg 10, Mainz 55128, Germany;

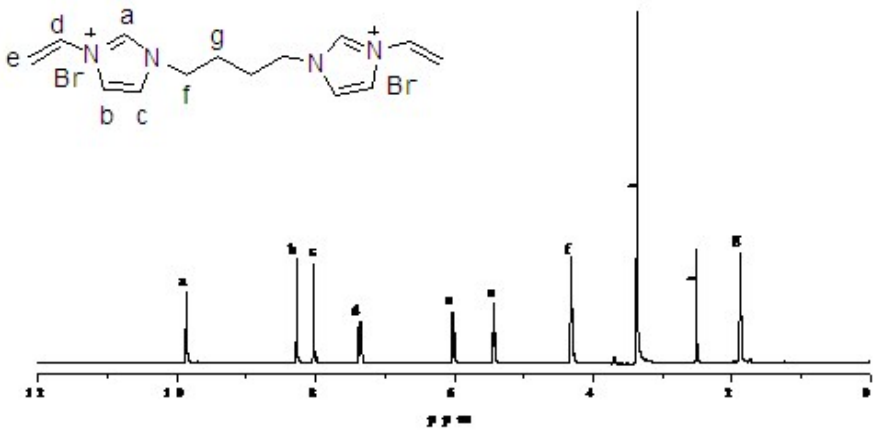

Figure S1 ^{1}H NMR spectrum of [C_4VIm]Br in d^6-DMSO.

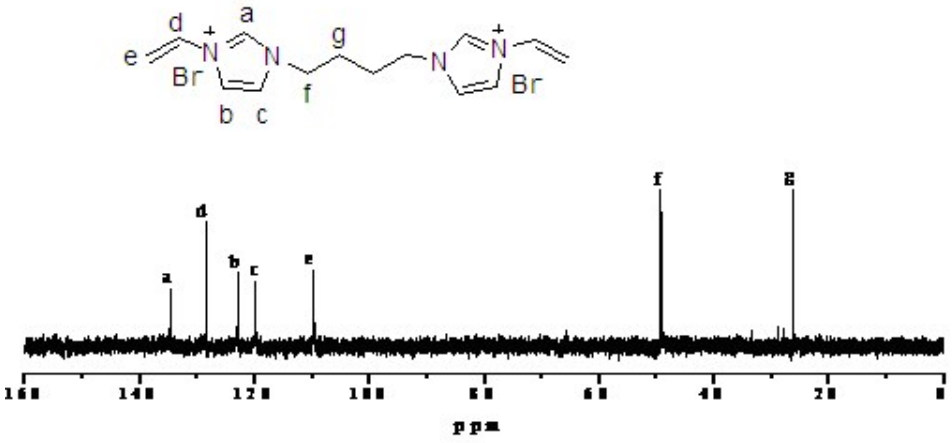

Figure S2 ^{1}H NMR spectrum of [C_4VIm]Br in D_2O.

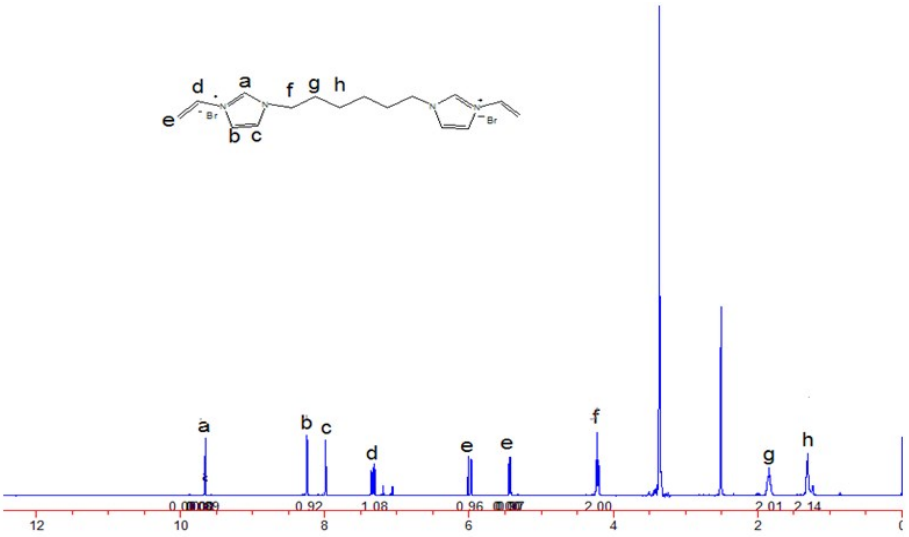

Figure S3 ^{1}H NMR spectrum of [C_6VIm]Br in d^6-DMSO.

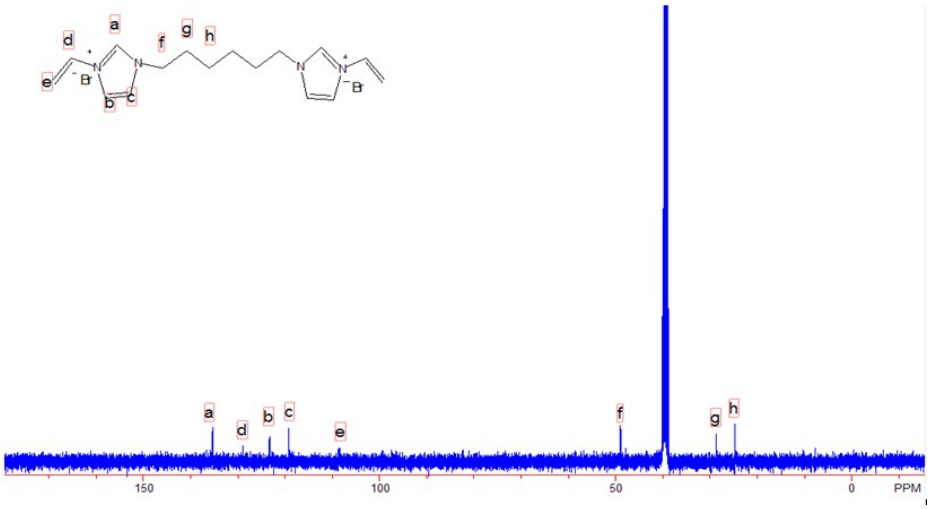

Figure S4 ^{13}C NMR spectrum of [C_6VIm]Br in d^6-DMSO.

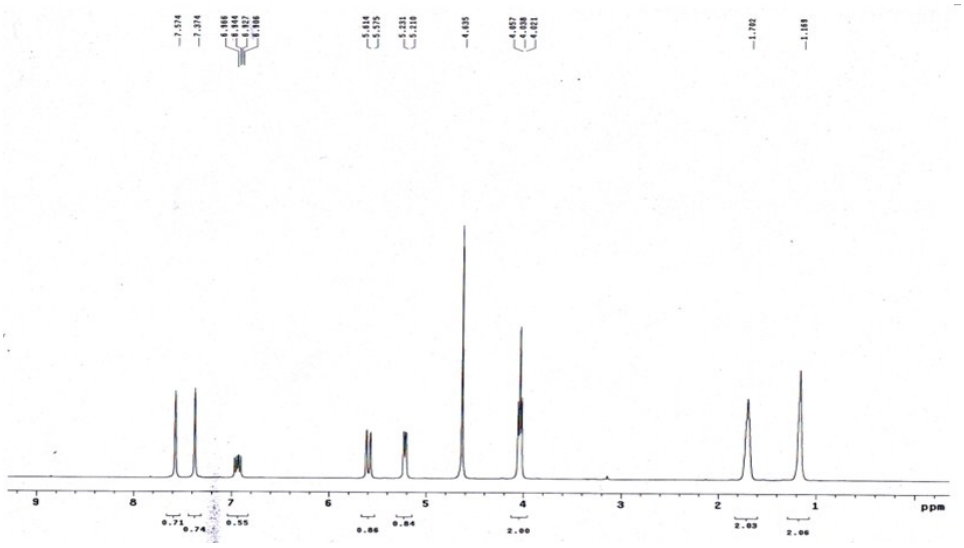

Figure S5 ^{1}H NMR spectrum of [C_6VIm]Br in D_2O

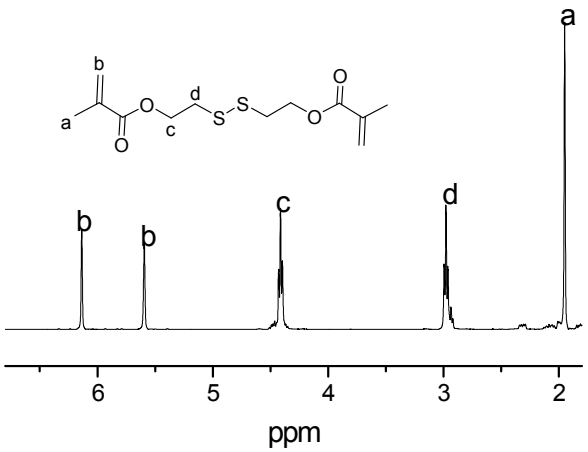

Figure S6 ^{1}H NMR spectrum of DSDMA in d^6-DMSO.

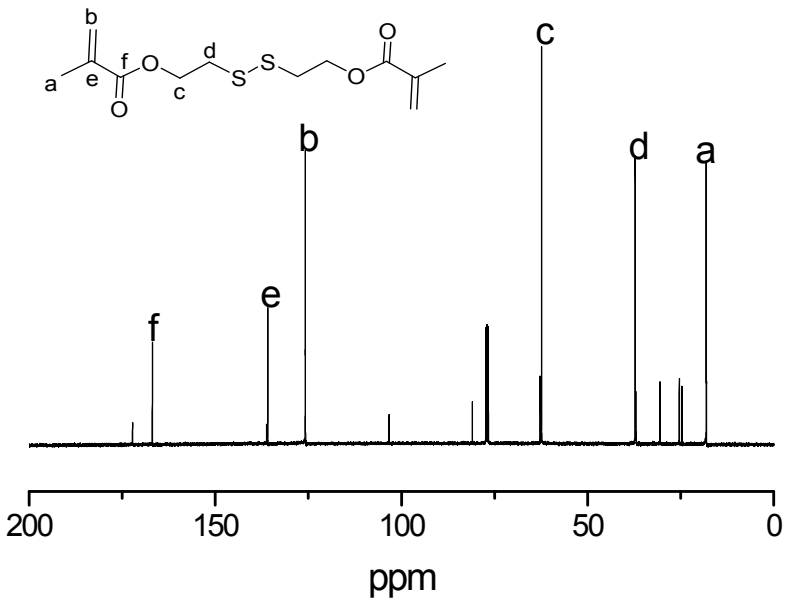

Figure S7 ^{13}C NMR spectrum of DSDMA in d^6-DMSO.

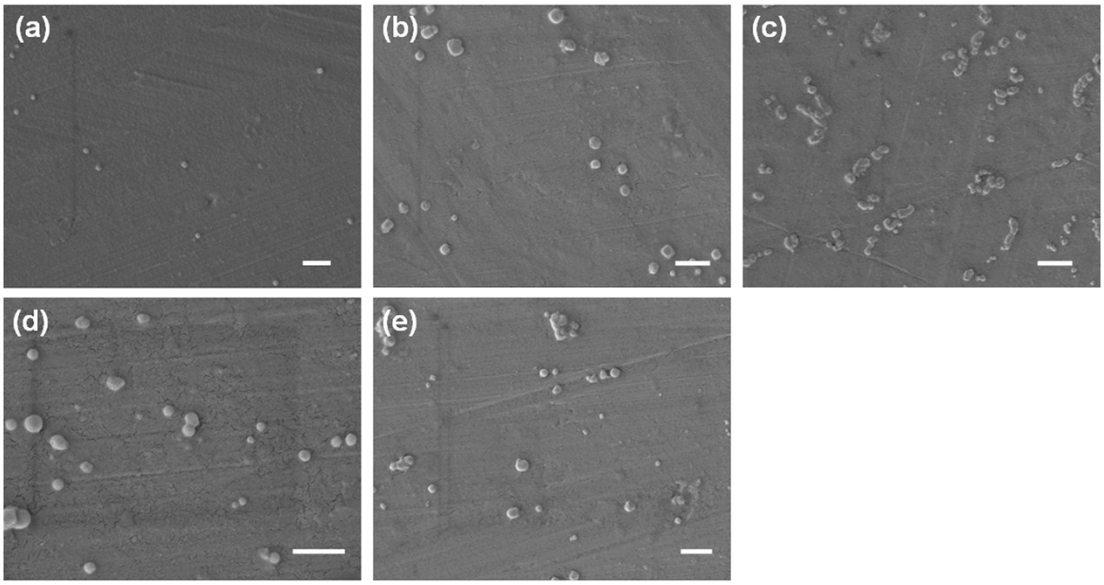

Figure S8 SEM images of BImIL-based nanogels (a NG1; b NG2; c NG4; d NG7; e NG8. All the scale bar are 1 μm)