

V⁵⁺ Degradation of Sulfonated Radel Membranes

for Vanadium Redox Flow Batteries

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Electronic Supplementary Material

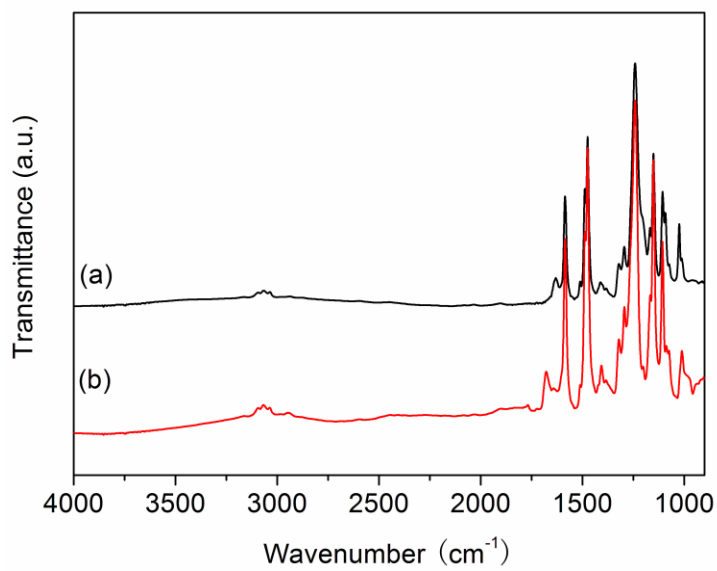


Figure S1. FTIR spectra of (a) S-Radel and (b) degraded S-Radel.

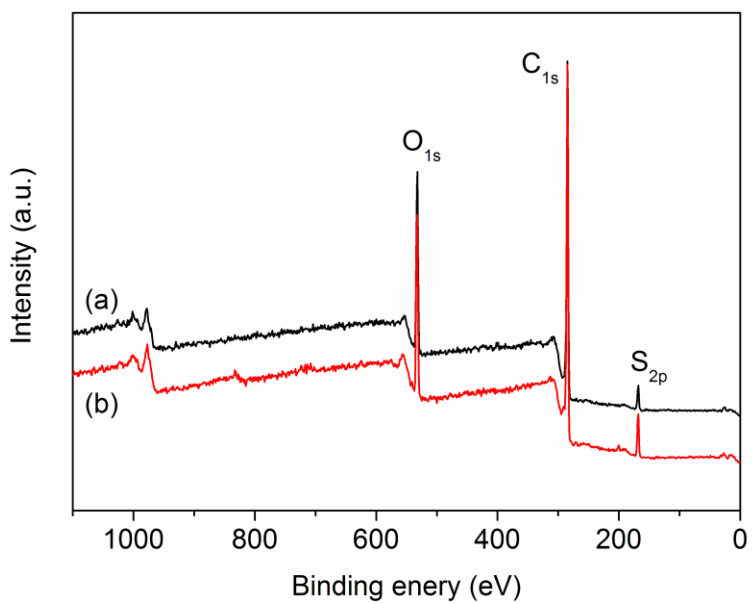


Figure S2. Survey scan XPS spectra of (a) S-Radel and (b) degraded S-Radel.

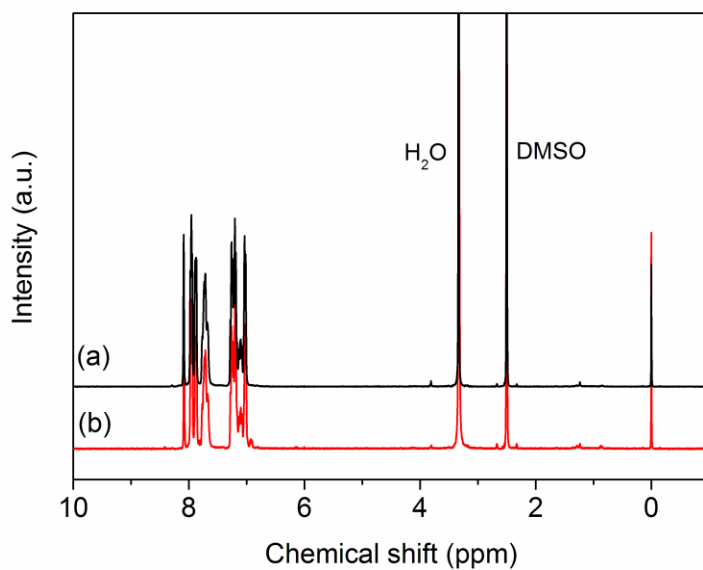


Figure S3. ¹H NMR spectra of (a) S-Radel and (b) degraded S-Radel in DMSO-d₆.

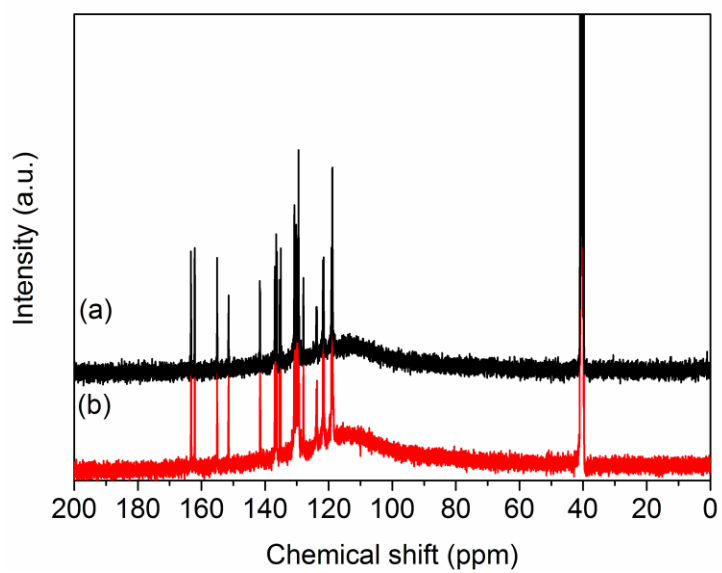


Figure S4. ^{13}C NMR of (a) S-Radel and (b) degraded S-Radel in DMSO-d_6 .