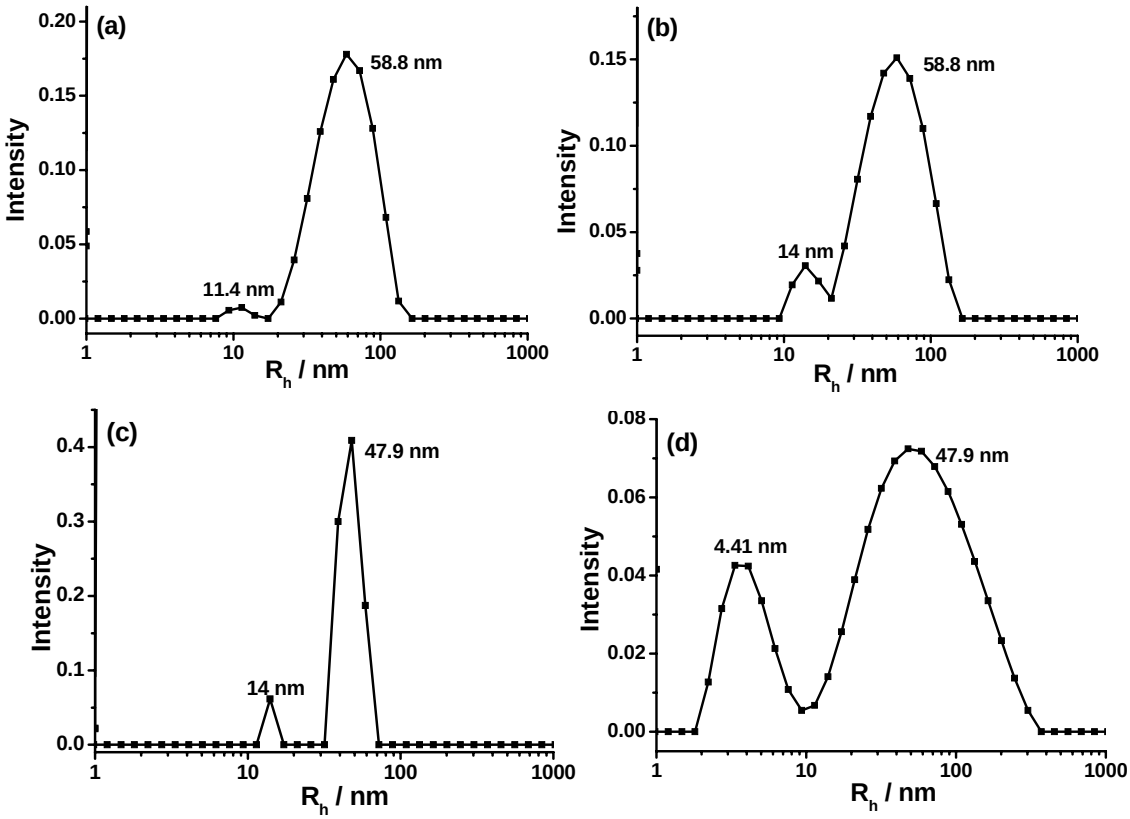
Controllable vesicular structure and reversal of a surfactant-encapsulated polyoxometalate complex

Yi Yan, Bao Li, Wen Li, Haolong Li, and Lixin Wu*

State Key Laboratory of Supramolecular Structure and Materials, Jilin University, Changchun 130012, China

To whom correspondence should be addressed. E-mail: wulx@jlu.edu.cn.

Supporting Information



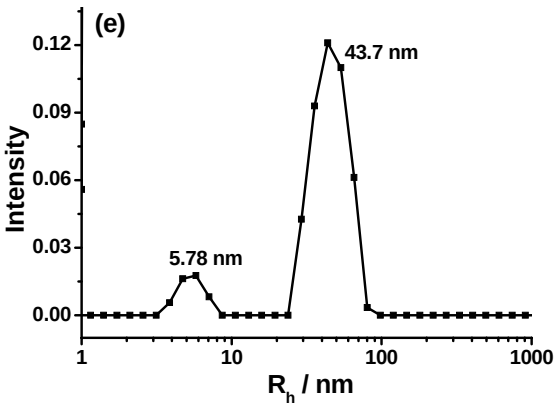


Figure S1. DLS results of SEP–1 aqueous solution with different concentrations and preparation time: (a) 0.1 mg mL^{-1}, (b) 0.1 mg mL^{-1} prepared at another day, (c) 0.1 mg mL^{-1} stored at RT for more than 5 months, (d) 0.5 mg mL^{-1}, (e) 1.0 mg mL^{-1}.

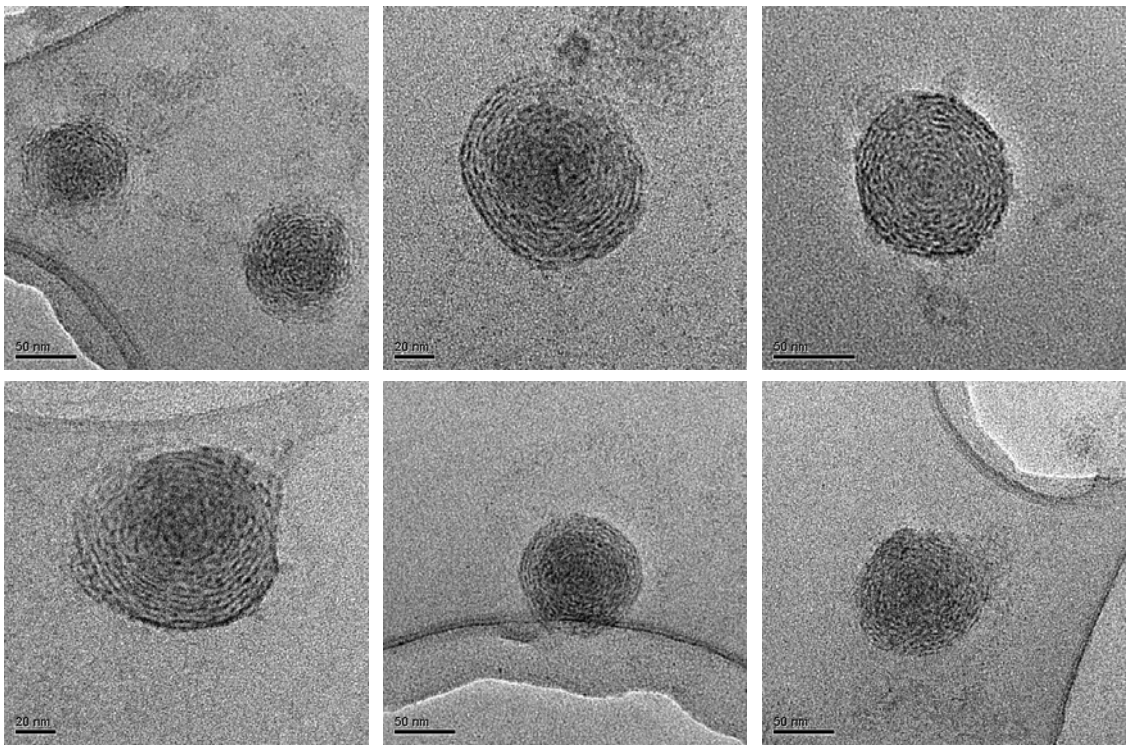


Figure S2. More TEM images of SEP–1 aggregates in aqueous solution.

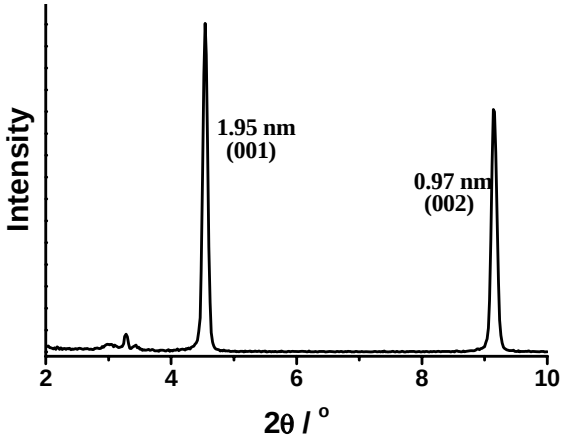


Figure S3. XRD pattern of DDDA·Br vesicle in water.

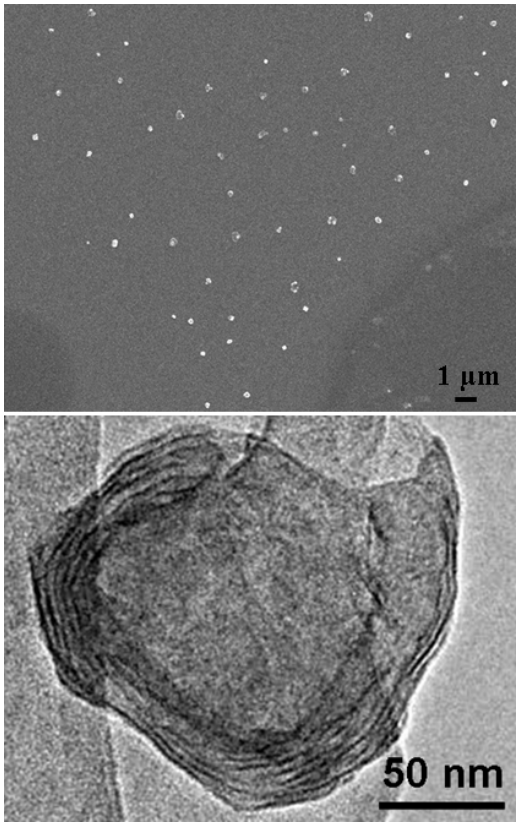


Figure S4. SEM and HRTEM image of SEP–1 in 1.0 mg mL^{-1} of ethanol solution.

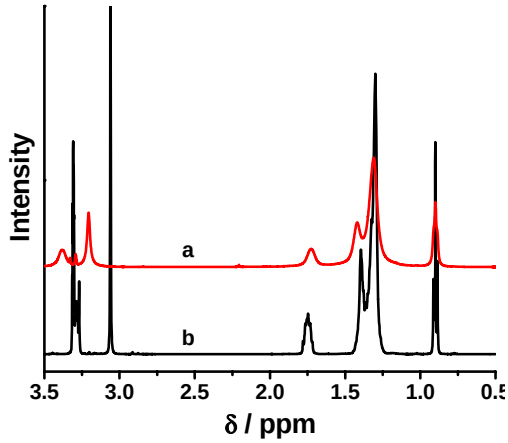


Figure S5. ^{1}H NMR spectra of DDDA·Br in (a) D_2O and (b) CD_3OD.

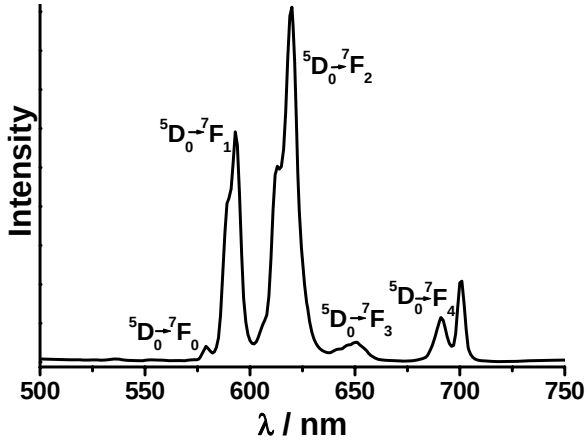


Figure S6. Fluorescent spectrum of SEP–1 aqueous solution (excited at 289 nm).

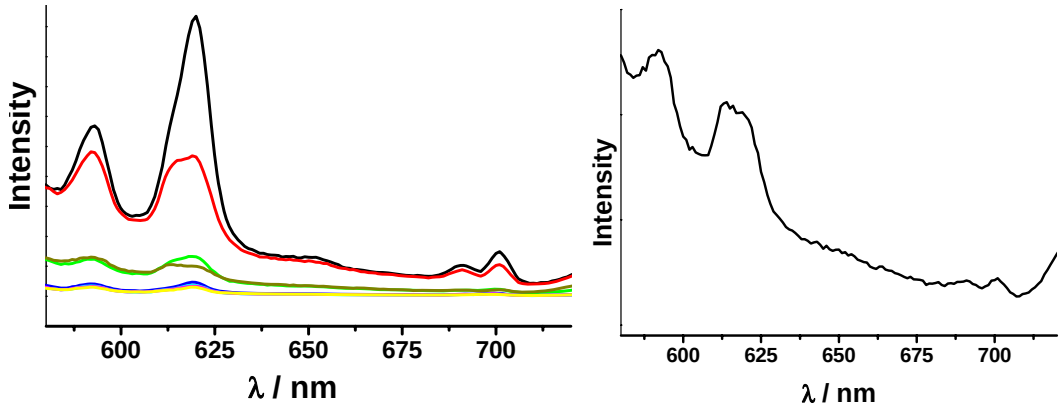


Figure S7. Fluorescent spectra of SEP–1 solution (a) from top to down are aqueous solution after different time of extracting with $CHCl_3$ and (b) $CHCl_3$ solution after extracting.