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Supplementary data

Synthesis of magnetic crown ether ion imprinted polymers material for selective adsorption of lithium

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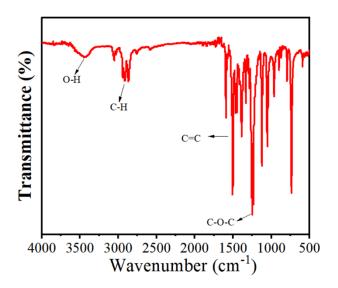


Figure S1. FT-IR spectra of DB14C4-OH. FT-IR: O-H (3340 cm⁻¹), C-H (2920 cm⁻¹), C=C (1510 cm⁻¹), C-O-C (1250 cm⁻¹).

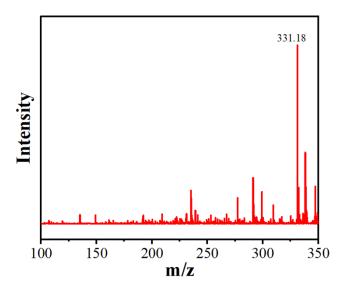


Figure S2. Mass spectrometry analysis of DB14C4-OH.

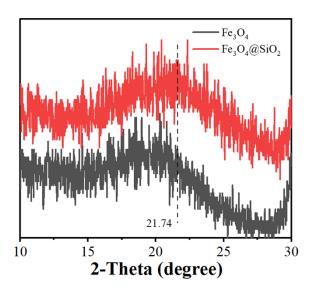


Figure S3. Fe_3O_4 and $Fe_3O_4@SiO_2$ partial amplification of the XRD pattern.

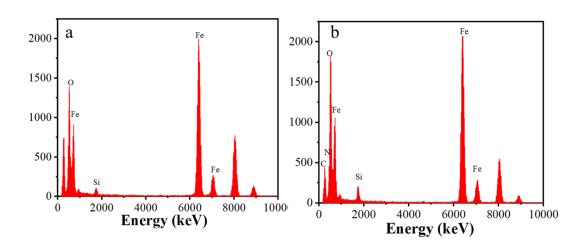


Figure S4 EDS spectrum of Fe₃O₄@SiO₂ (a) and OS@FeSi (b).