

Fig.S1 Thermogravimetric analysis of SiO₂ NPs, SiO₂@Se(IV)-IIPS and NIPs.

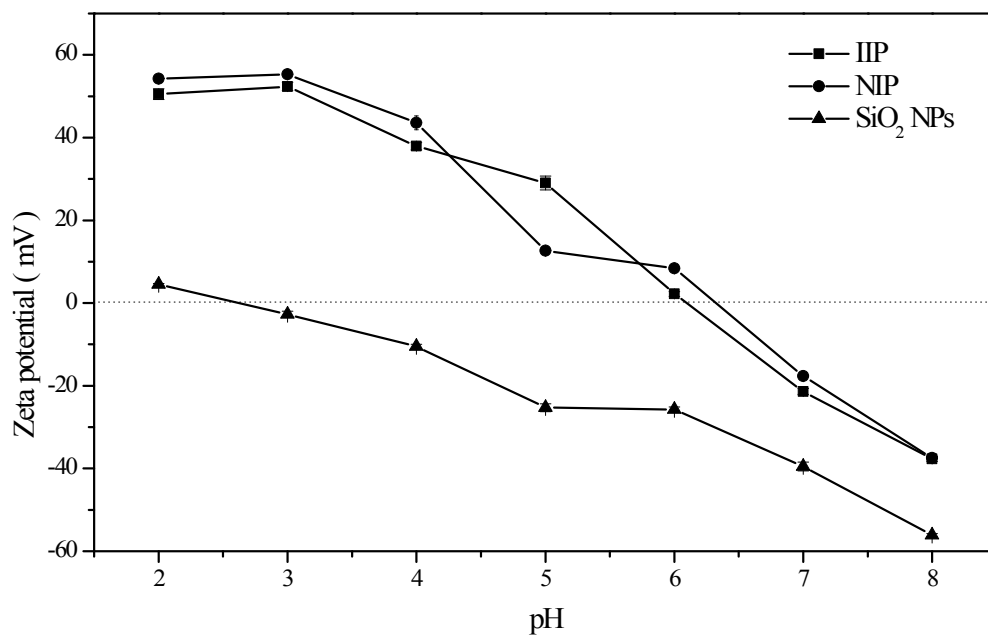


Fig.S2 Zeta potentials of SiO₂ NP, SiO₂@Se(IV)-IIPs and NIPs.

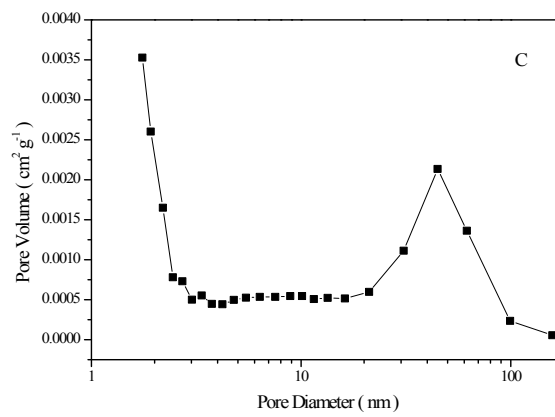
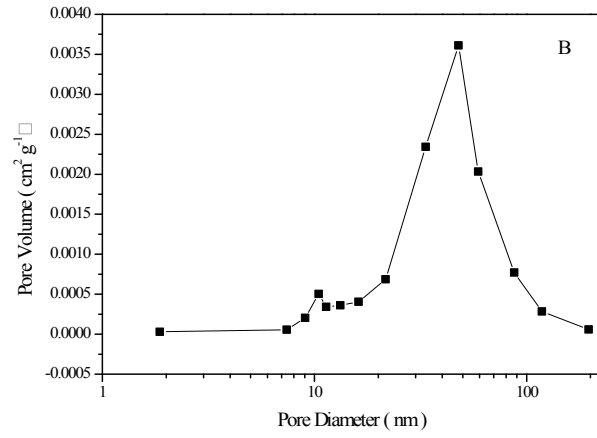
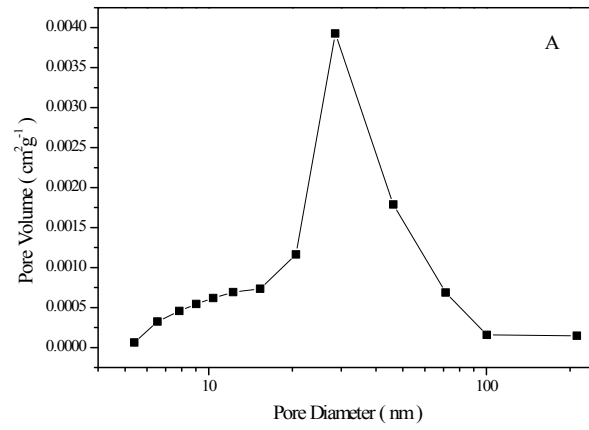


Fig. S3 BET experimental data.

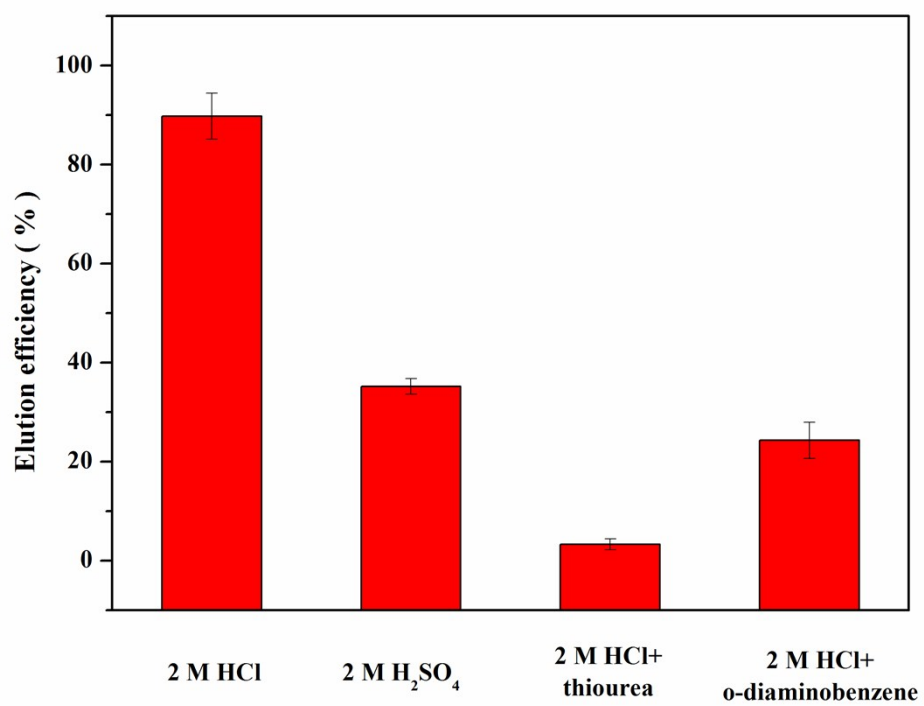


Fig.S4 Elution performances of different eluting solvents.

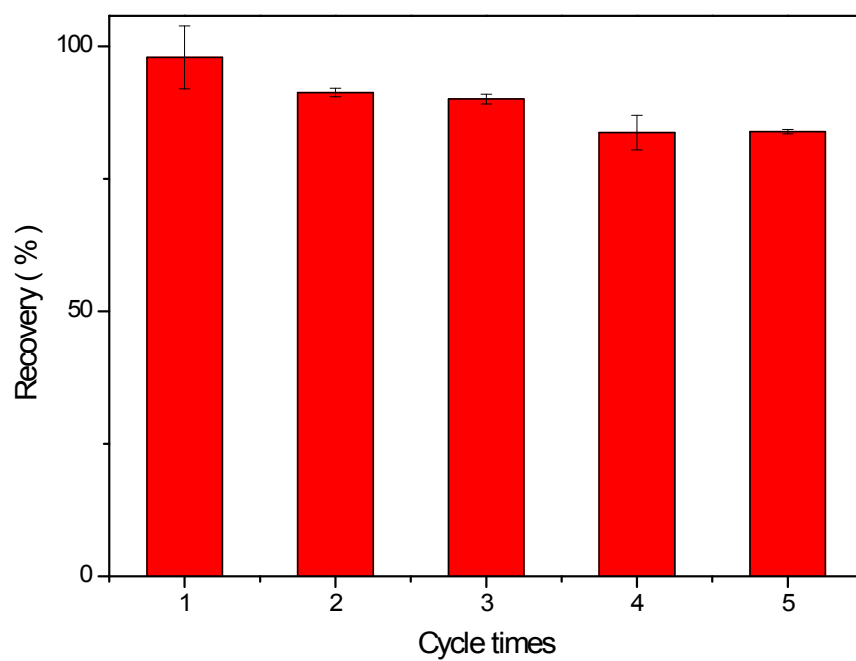


Fig.S5 Adsorption-desorption cycle of SiO₂@Se (IV)-IIPs.