

Electronic Supplementary Information (ESI)

High Performance Adsorbents Based on Hierarchically Porous Silica for Purifying Multicomponent Wastewater

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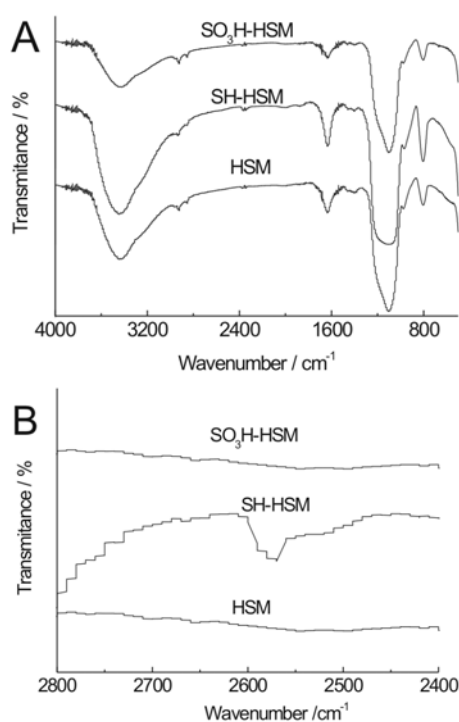


Fig. S1 FT-IR of HSM, SH-HSM and SO₃H-HSM

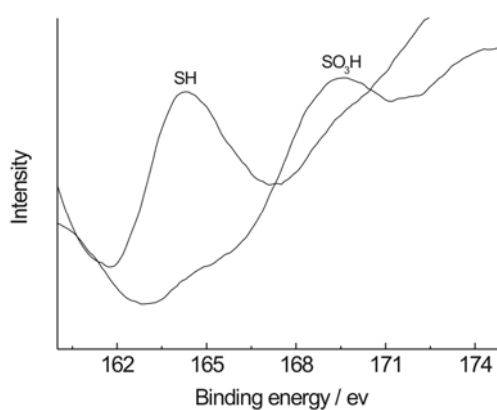


Fig. S2 XPS of SH-HSM and SO₃H-HSM

Table S1 comparison of the adsorption capability for pollutants (50 mg L⁻¹) on the unmodified and modified material

| adsorption capability/mg g ⁻¹ material | fuchsin basic | Hg ²⁺ | imidacloprid | alanine | tyramine |
|--|---------------|------------------|--------------|---------|----------|
| HSM | 8.33 | 0.85 | 1.78 | 1.58 | 1.02 |
| SH-HSM | | 137.34 | | | |
| SO ₃ H-HSM | 128.55 | | 80.50 | 42.36 | 148.40 |