Supplementary Materials: Enhanced Potential Toxic Metal Removal Using a Novel Hierarchical SiO₂–Mg(OH)₂ Nanocomposite Derived from Sepiolite

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Figure S1. Typical SEM images of raw sepiolite (a), acid-activated sepiolite (b), and sepiolite modified by sequential acid–base treatment (c).

Figure S2. Zeta potential-pH profile for the SiO–Mg(OH): nanocomposite in deionized water.
Figure S3. SEM images of Pb(II)-loaded SiO$_2$–Mg(OH)$_2$ nanocomposite (a) and Cd(II)-loaded SiO$_2$–Mg(OH)$_2$ nanocomposite (b).