

Electronic Supplementary Information

A Chiral Magnetic Molybdenum Disulfide Nanocomposite for Direct Enantioseparation of *RS*-Propranolol

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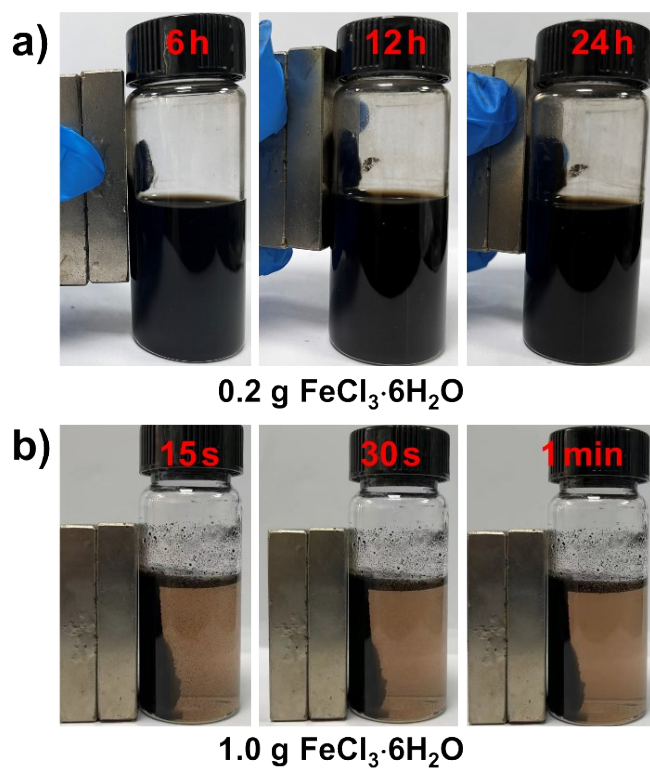


Fig. S1 Magnetic separability of the MMoS_2 -0.2 and MMoS_2 -1.0 samples synthesized using 0.2 g (a) and 1.0 g (b) $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$ under an EMF from aqueous solutions.

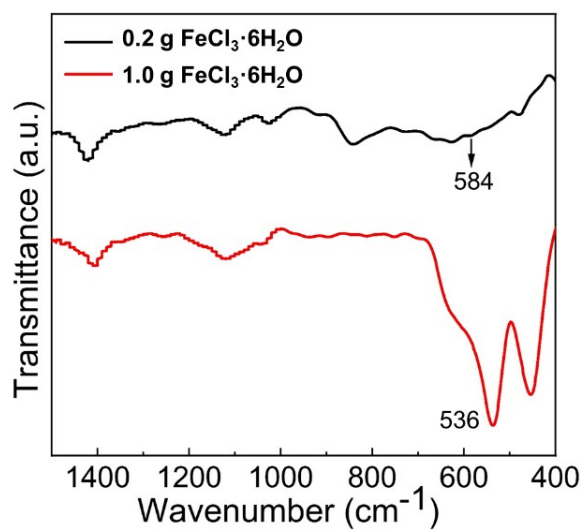


Fig. S2 FT-IR spectra of the MMoS_2 samples synthesized with different $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$ dosages of 0.2 g (*black line*) and 1.0 g (*red line*).

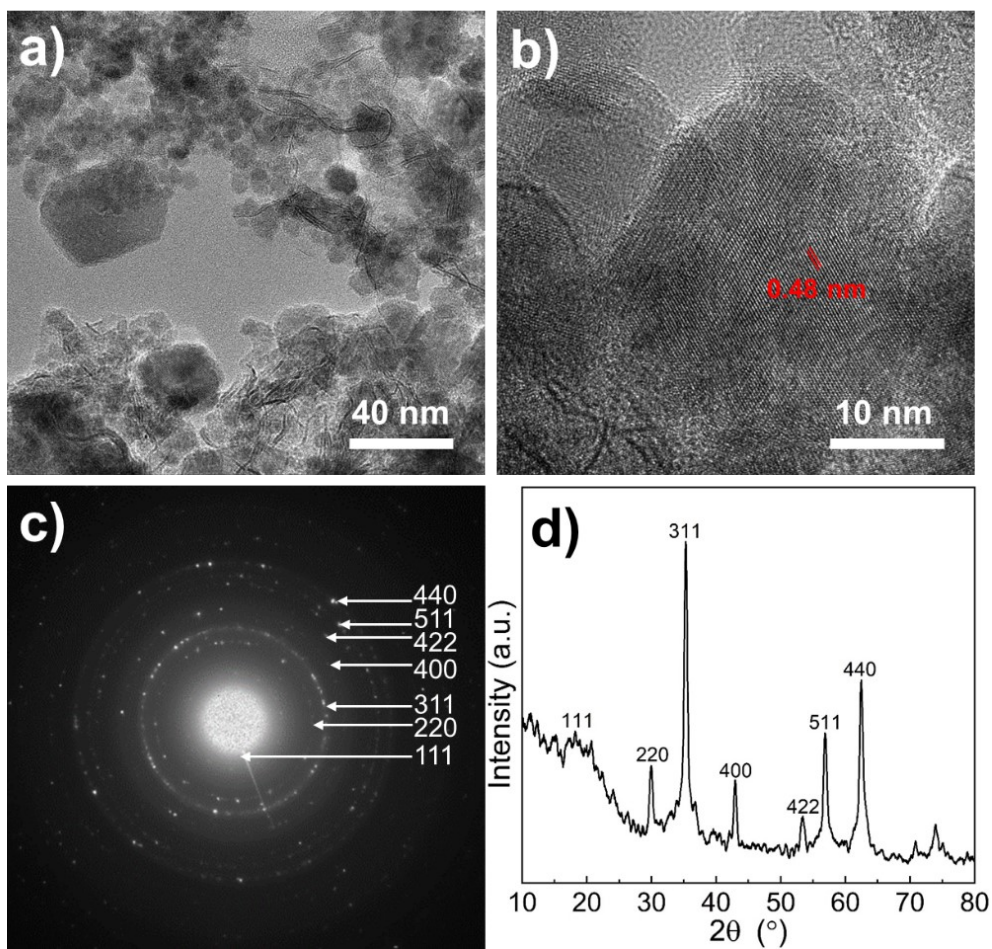


Fig. S3 TEM image (a), high-resolution TEM image (b), SAED (c), and X-ray diffraction pattern (d) of the MMoS₂.

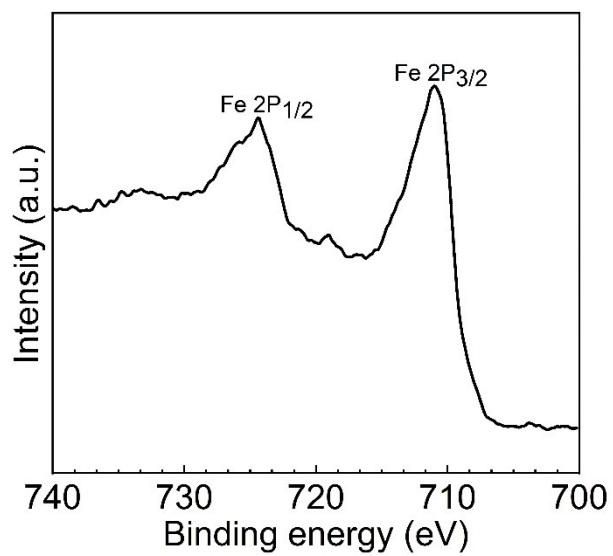


Fig. S4 XPS survey spectra of the MMoS₂.

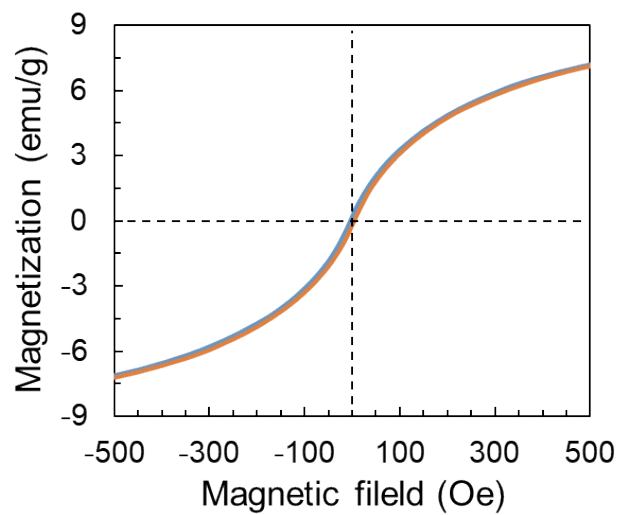


Fig. S5 Low-field magnetic hysteresis loops of the MMoS₂/PNG2-CD.

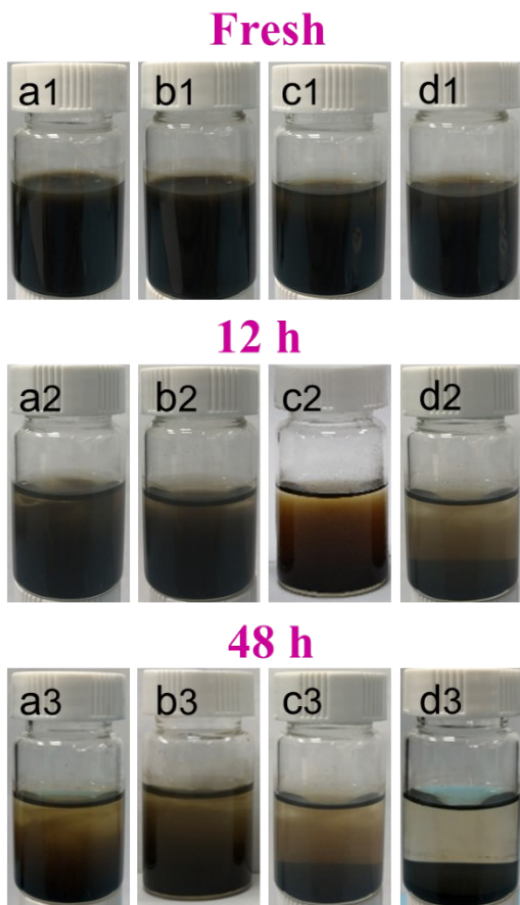


Fig. S6 The dispersibility of the $\text{MMoS}_2/\text{PNG1-CD}$ (a1–a3), $\text{MMoS}_2/\text{PNG2-CD}$ (b1–b3), $\text{MMoS}_2/\text{PNG3-CD}$ (c1–c3), and $\text{MMoS}_2/\text{PNG4-CD}$ (d1–d3) nanocomposites in water after storing different time.

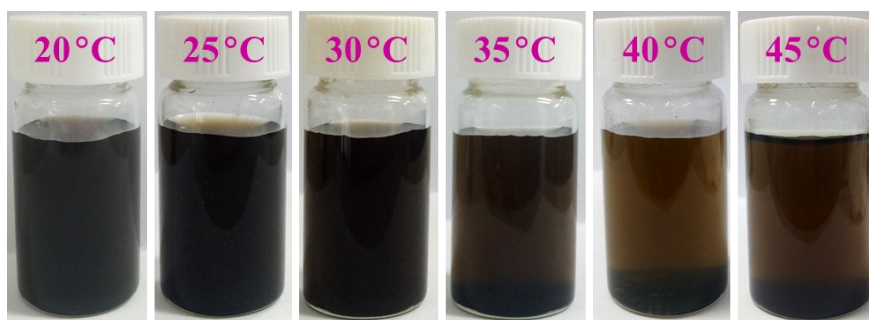


Fig. S7 The temperature-dependent dispersibility of the MMoS₂/PNG2-CD nanocomposite in water. The concentration of the MMoS₂/PNG2-CD is 1.0 mg/mL.