



Supplementary Materials

Table S1. Performance Parameters of the FCRB

FCRB Material	Diameter (mm)	Moisture (%)	Ash (%)	Iodine adsorption value (mg/g)	Loading density (g/L)	Carbon tetrachloride adsorption (%)
Spherical activated carbon	4–6	≤ 5	≤ 11	≥ 700	480–550	≥ 50

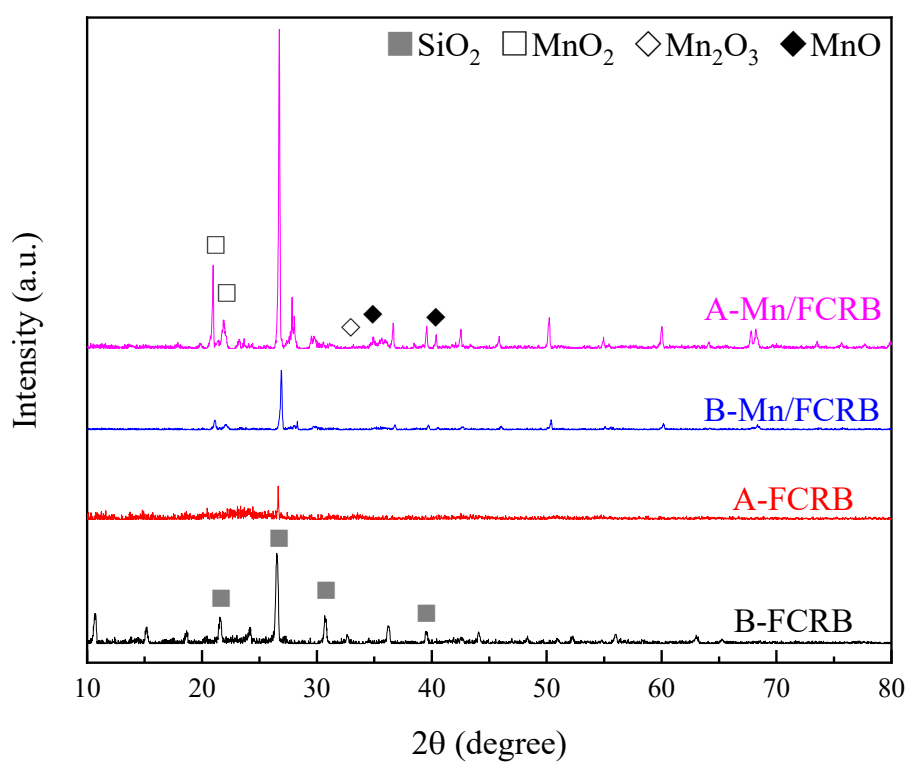


Fig. S1. XRD spectra of the Mn/FCRB.