Supporting Information

Development of High-Strength, Tough, and Self-Healing Carboxymethyl Guar Gum-Based Hydrogels for Human Motion Detection

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Figure S1 FT-IR spectra of CMGG powder, PAA-Fe$^{3+}$, and PAA/CMGG$_{1.0}$-Fe$^{3+}$ hydrogels.
Figure S2 UV–vis spectra of PAA-Fe$^{3+}$, PAA/CMGG$_{0.5}$-Fe$^{3+}$, PAA/CMGG$_{1.0}$-Fe$^{3+}$, PAA/CMGG$_{1.5}$-Fe$^{3+}$, and PAA/CMGG$_{2.0}$-Fe$^{3+}$ solutions.
Figure S3 a-f) A series of photos showing the progressive decomposition of the PAA/CMGG$_{1.5}$-Fe$^{3+}$ hydrogel in water.