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Supporting informaiton

A wide temperature range sensor based on large range strain self-healing and adhesive organogel

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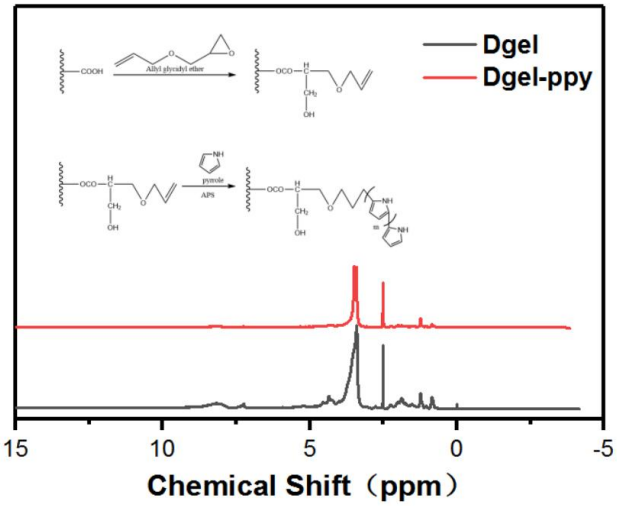

Fig. S1 [1]H NMR spectrum of conductive polymers Dgel and Dgel-ppy.

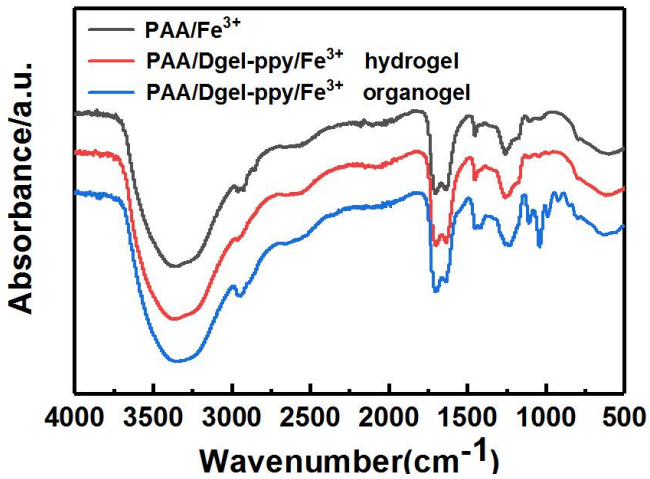

Fig. S2 FTIR spectra of PAA/Fe^{3+} hydrogel, PAA/ Dgel-ppy /Fe^{3+} hydrogel, PAA/Dgel-ppy /Fe^{3+} organogel.

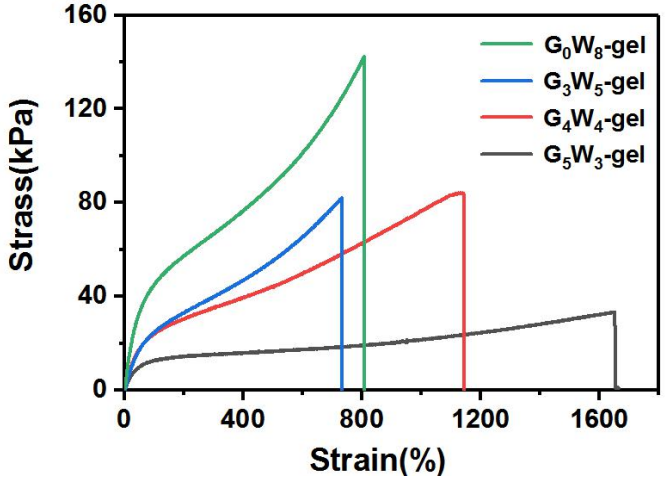

Fig. S3 Tensile properties of G_XW_Y organogel (X and Y are glycerol and water contents (mL))

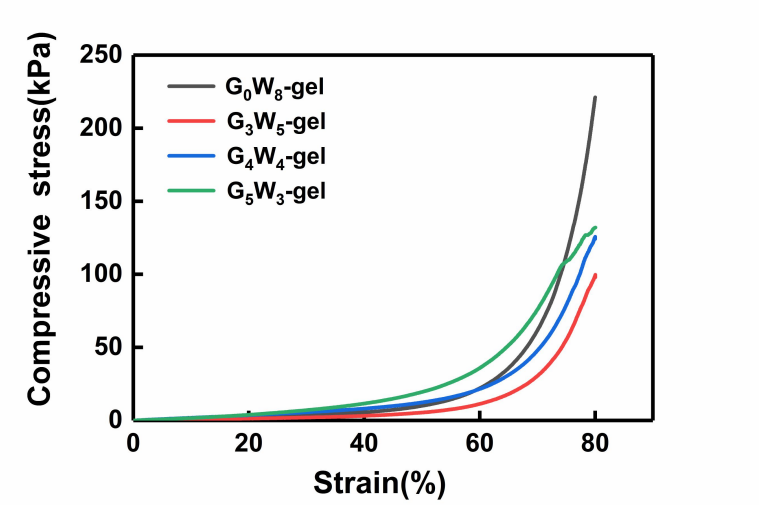

Fig. S4 Compression properties of G_XW_Y organogel ($_X$ and $_Y$ are glycerol and water contents (mL))