

## Supporting Information

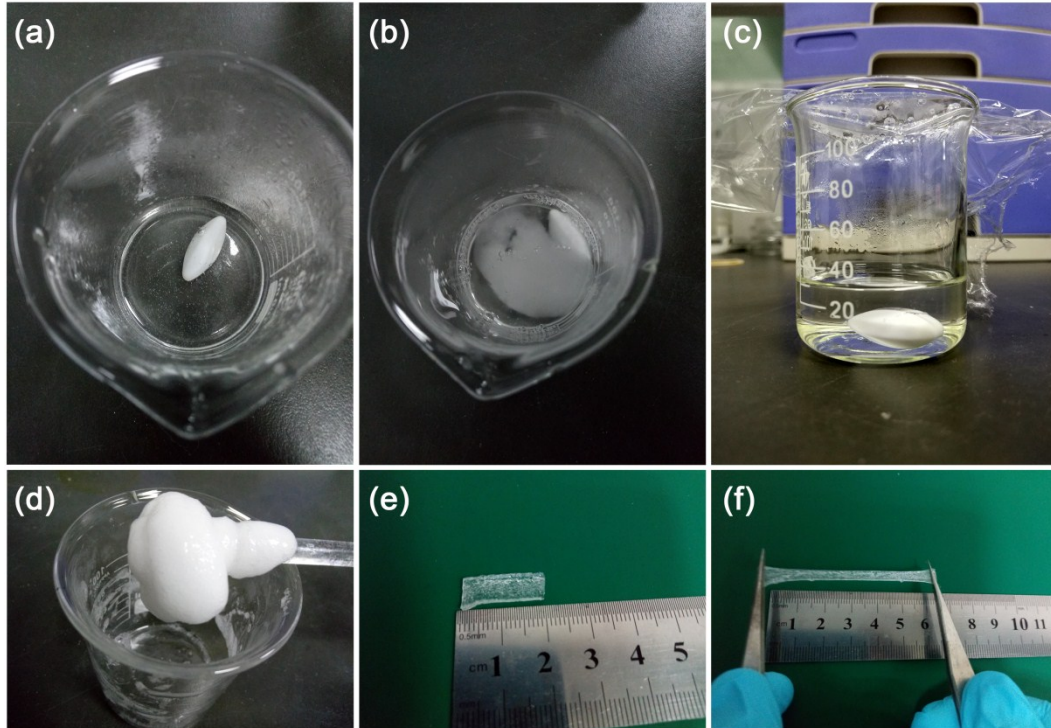
### **High energy density and high working voltage of a quasi-solid-state supercapacitor with redox-active ionic liquid added gel polymer electrolyte**

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**Fig. S1** (a) image of PVA solution, (b) image of  $\text{Na}_2\text{SO}_4$  added in PVA solution, (c) image of PVA- $\text{Na}_2\text{SO}_4$ -Pyr<sub>14</sub>Br solution, (d) image of PVA- $\text{Na}_2\text{SO}_4$  GPE, (e) image of PVA- $\text{Na}_2\text{SO}_4$ -Pyr<sub>14</sub>Br GPE at original state, (f) image of PVA- $\text{Na}_2\text{SO}_4$ -Pyr<sub>14</sub>Br GPE at tensile state.