

# Supporting Information

## Flexible “Polymer-in-Ceramic” Composite Solid Electrolyte PI-PEO<sub>0.2</sub>- PDA@LATP<sub>0.8</sub> and Its Ionic Conductivity

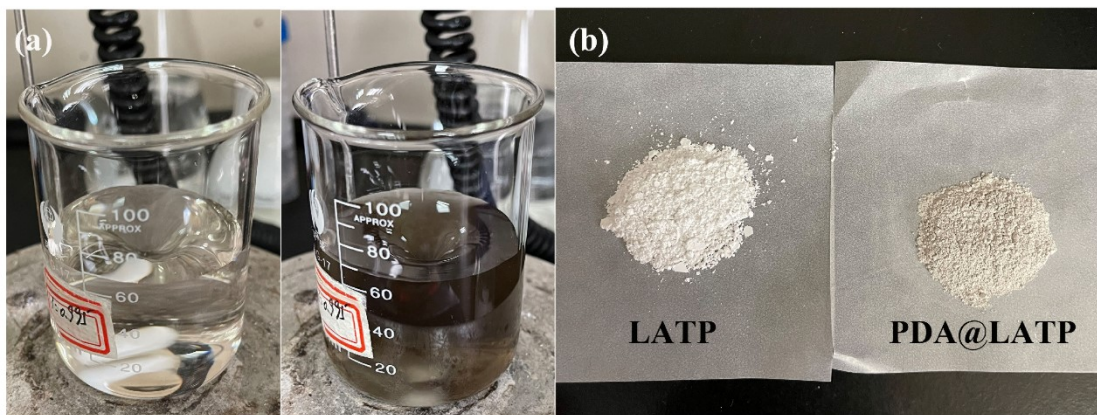
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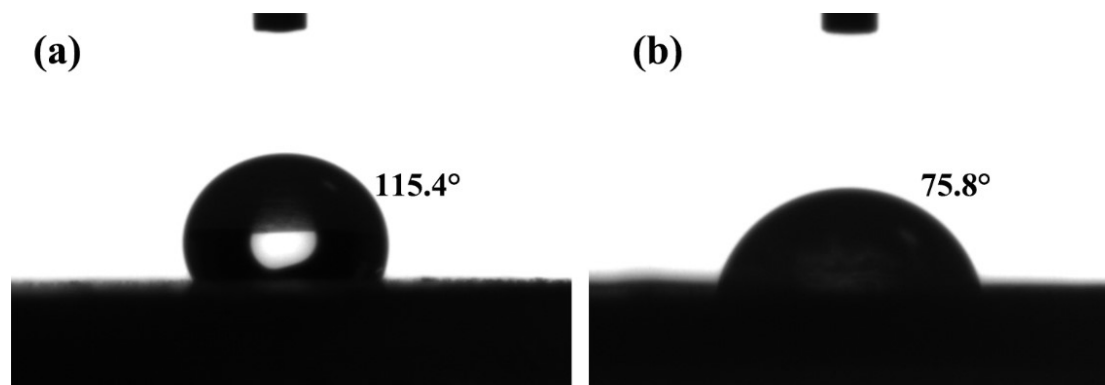
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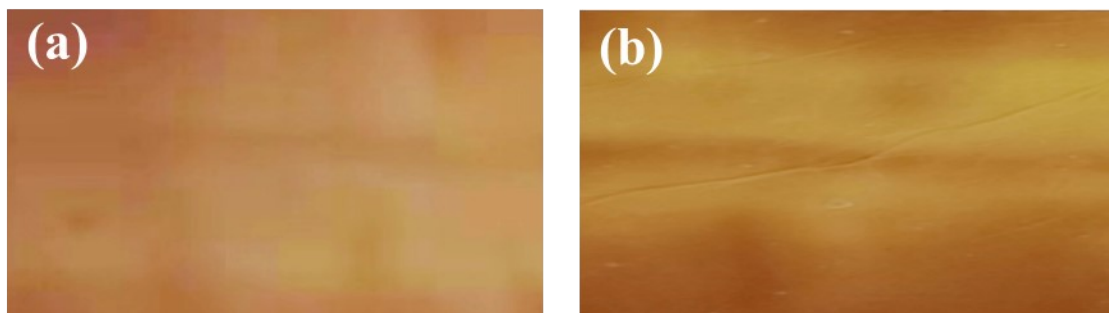
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**Figure S1.** (a) Change in color of PDA solution (b) Comparison of PDA@LTP and LTP particles



**Figure S2.** Contact angle of PEO/acetonitrile solution on (a) LAMP and (b) PDA@LAMP sheet



**Figure S3.** Photographs of PI-PEO<sub>0.2</sub>-PDA@LATP<sub>0.8</sub> electrolyte membrane before (a) and after bending (b)