

Supporting Data

Thermo and Flex Multi-Functional Array Ionic Sensor for Human Adaptive Device

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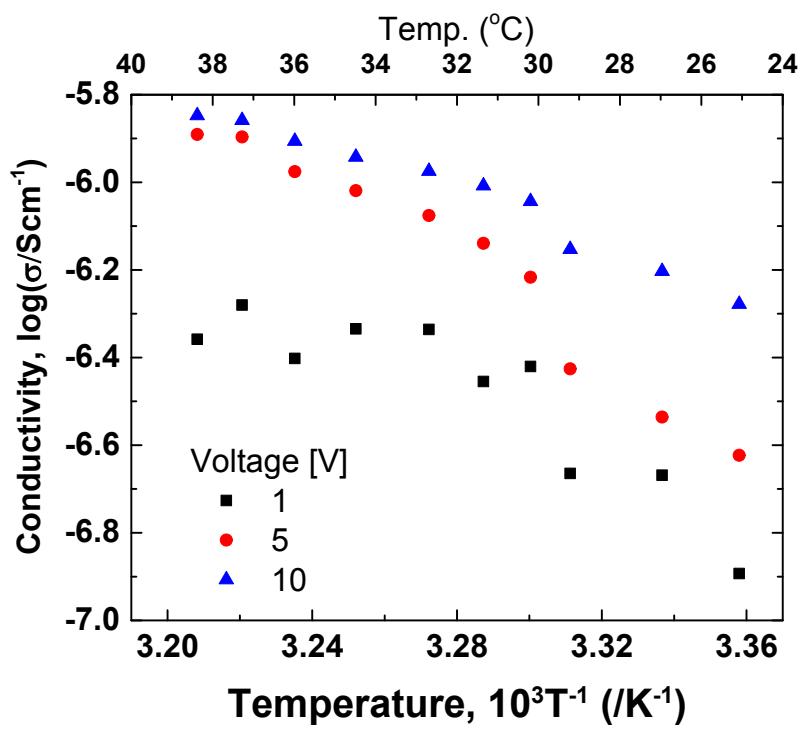
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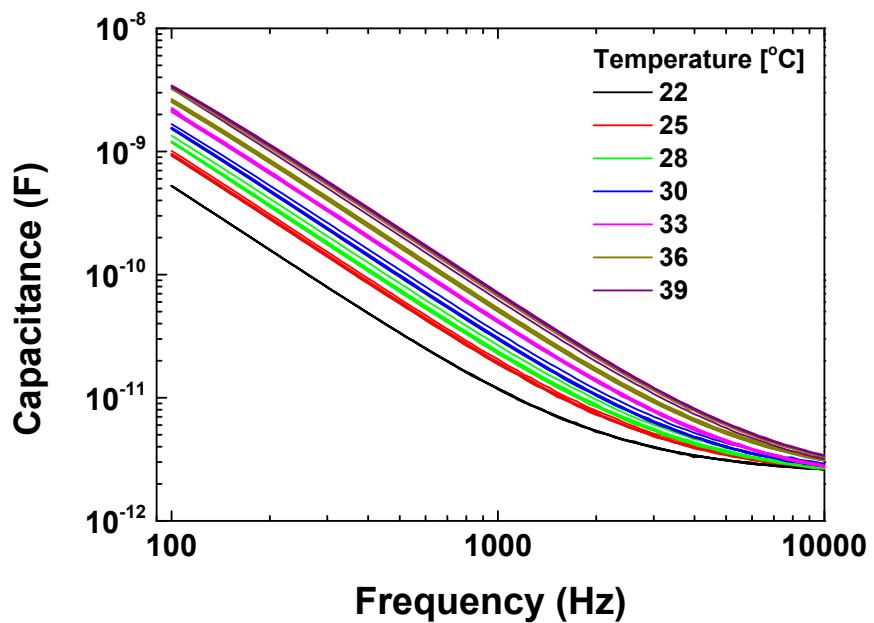
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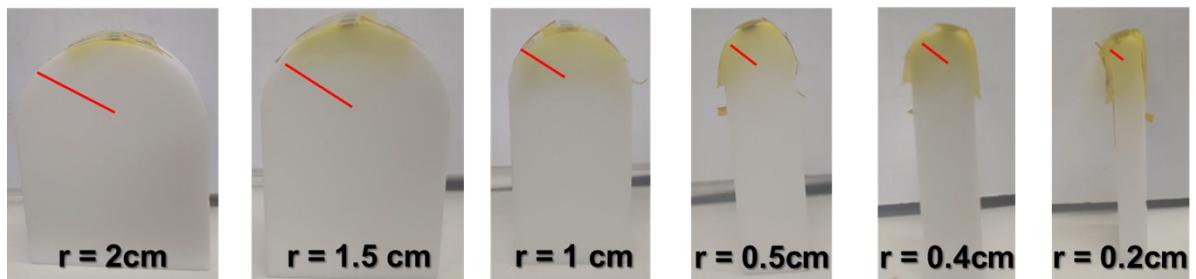
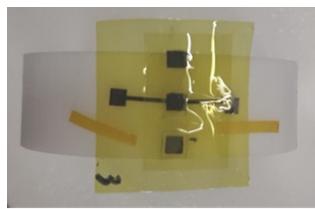


Supporting Figure 1 Relationship between temperature and conductivity in resistive type sensor.

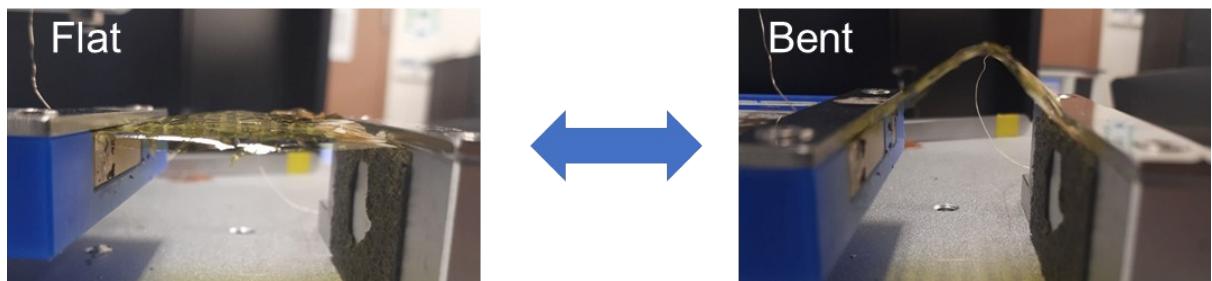
At 10 V and 5 V, the result is linear with respect to K^{-1} , which satisfies the Arrhenius equation well.



Supporting Figure 2 Relationship between capacitance and frequency as temperature.



Supporting Figure 3 A semicircular curve made of Teflon. The radii are 2, 1.5, 1, 0.5, 0.4, and 0.2 cm, respectively. The i-TPU was covered and bent over it.



Supporting Figure 4 Image of bending test using bending machine.