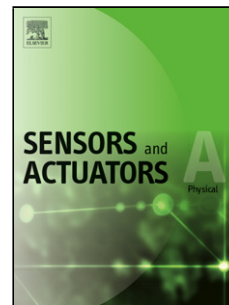


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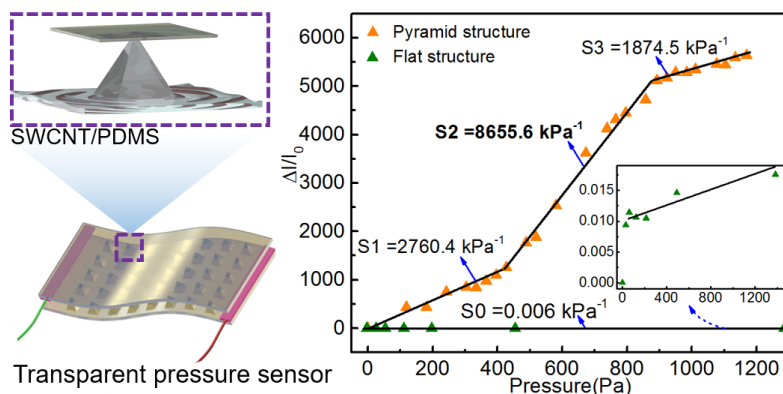
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Graphical Abstract



Highlights

- Using a designed sandwiched composite structure with micro-pyramid PDMS and single walled carbon nanotubes, a kind of micro-pressure sensor with flexibility, good transparency and ultra-high sensitivity (8655.6 kPa-1) is reported here.
- With fast response time, low detection limit and excellent stability, the sensor is demonstrated to be very suitable for E-skin and health care.

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