nanomaterials

MDPI

Supplementary Material

Highly Sensitive, Stretchable Pressure Sensor Using Blue Laser Annealed CNTs

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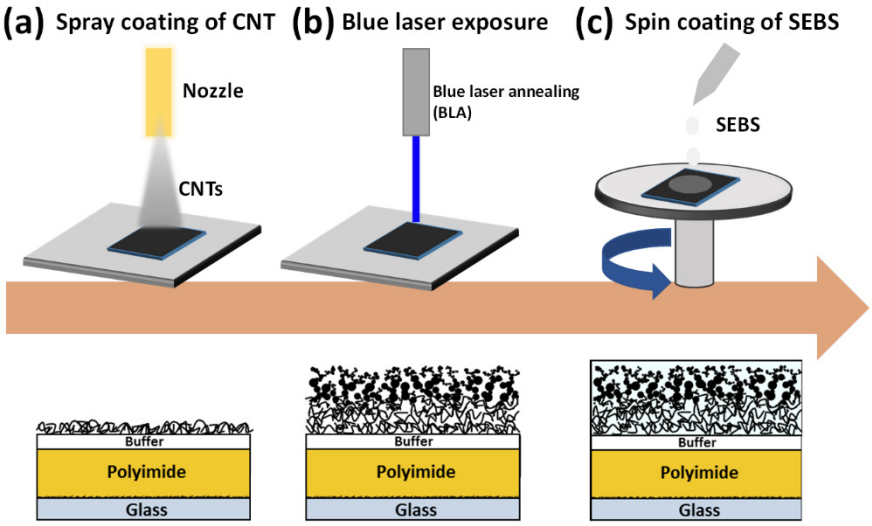

Figure S1. Schematic illustration of fabrication process of the BLA CNTs/SEBS pressure sensor on PI substrate. (**a**) spray-coating of CNTs, (**b**) blue laser annealing, and (**c**) SEBS coating on BLA CNTs layer.

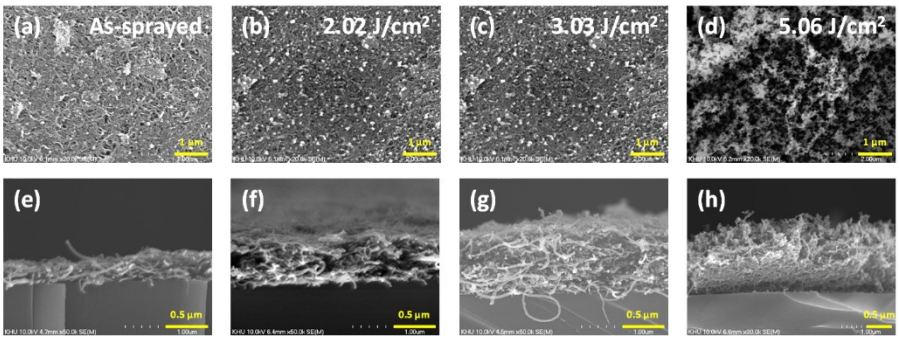

Figure S2. SEM images of BLA CNTs layer as a variation of incident BL energy density. (**a**)–(**d**) Top and (**e**)–(**h**) cross-sectional SEM images of the BLA CNTs as a variation of BLA energy density: (**a**), (**e**) 0, (**b**), (**f**) 2.02, (**c**), (**g**) 3.03, and (**d**), (**h**) 5.06 J cm^{-2}.

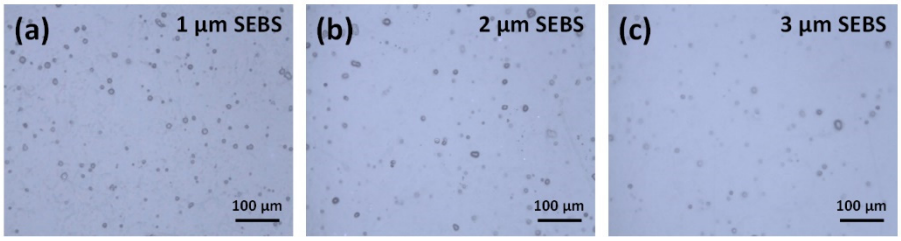

Figure S3. Optical images of SEBS thickness variation on BLA CNTs. (**a**) 1 µm, (**b**) 2 µm, and (**c**) 3 µm.

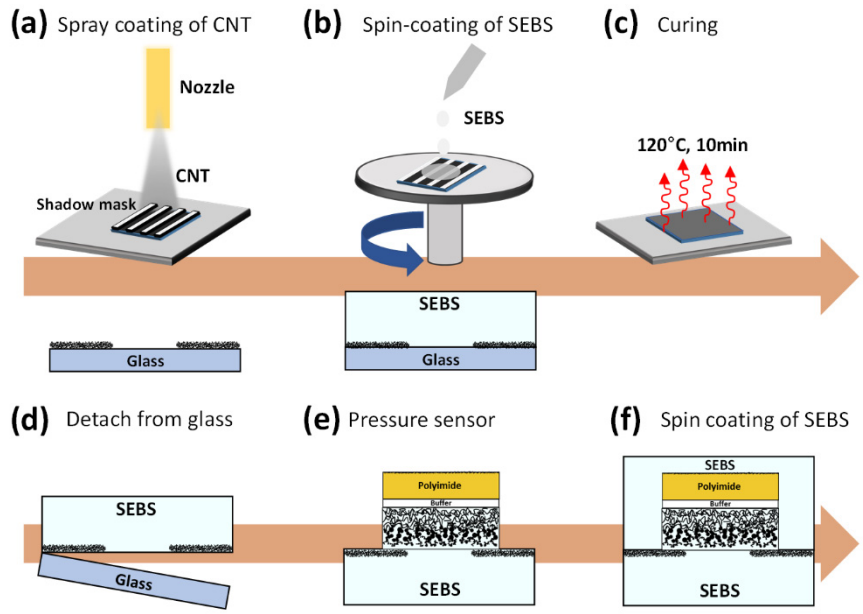

Figure S4. Fabrication process flow of the (**a**)–(**d**) stretchable electrodes and (**e**, **f**) stretchable pressure sensor. (**a**)–(**e**) Fabrication of stretchable electrodes on SEBS substrate and the detachment of stretchable electrodes from the carrier glass and (**e**) transfer of pressure sensor on the stretchable CNT electrodes on SEBS substrate. (**f**) Pressure sensor covered with SEBS for passivation.