

Supporting Information

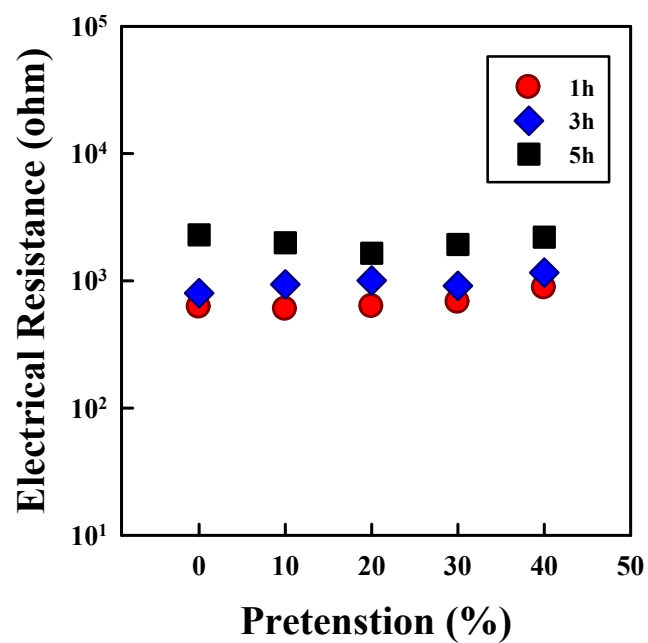


Figure S1. Electrical resistance of samples without elongation for various sonication times.

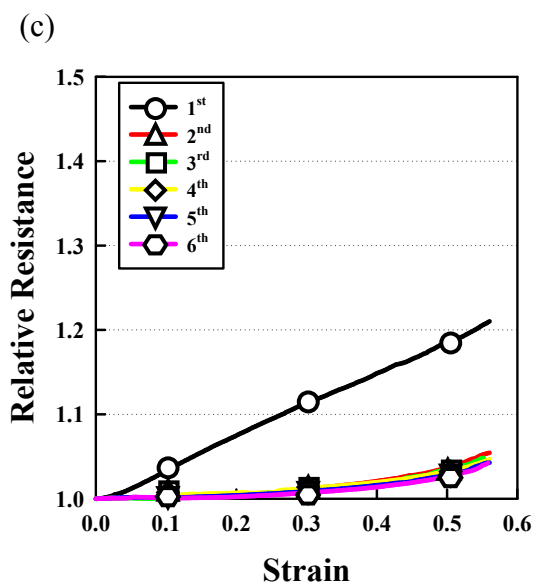
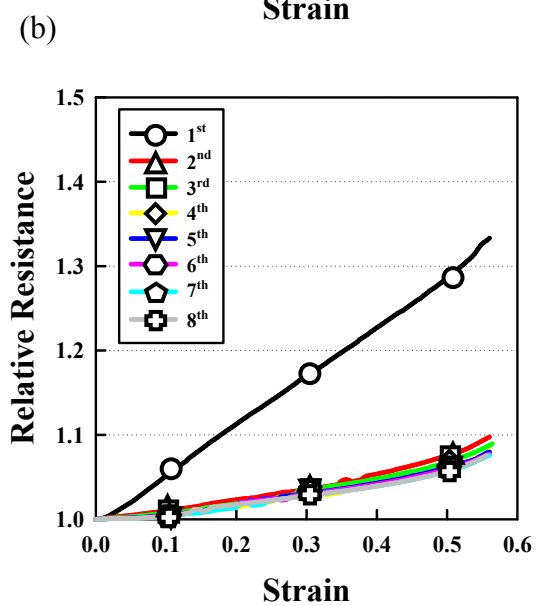
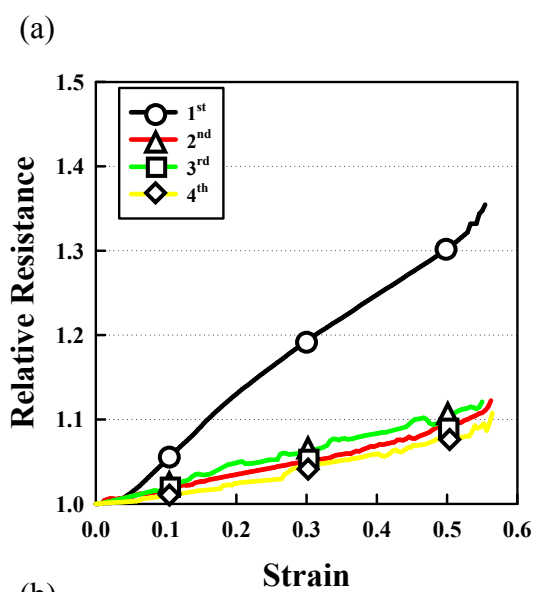


Figure S2. Repeatability test for 1 h-sonicated CNT-interlayered PDMS.

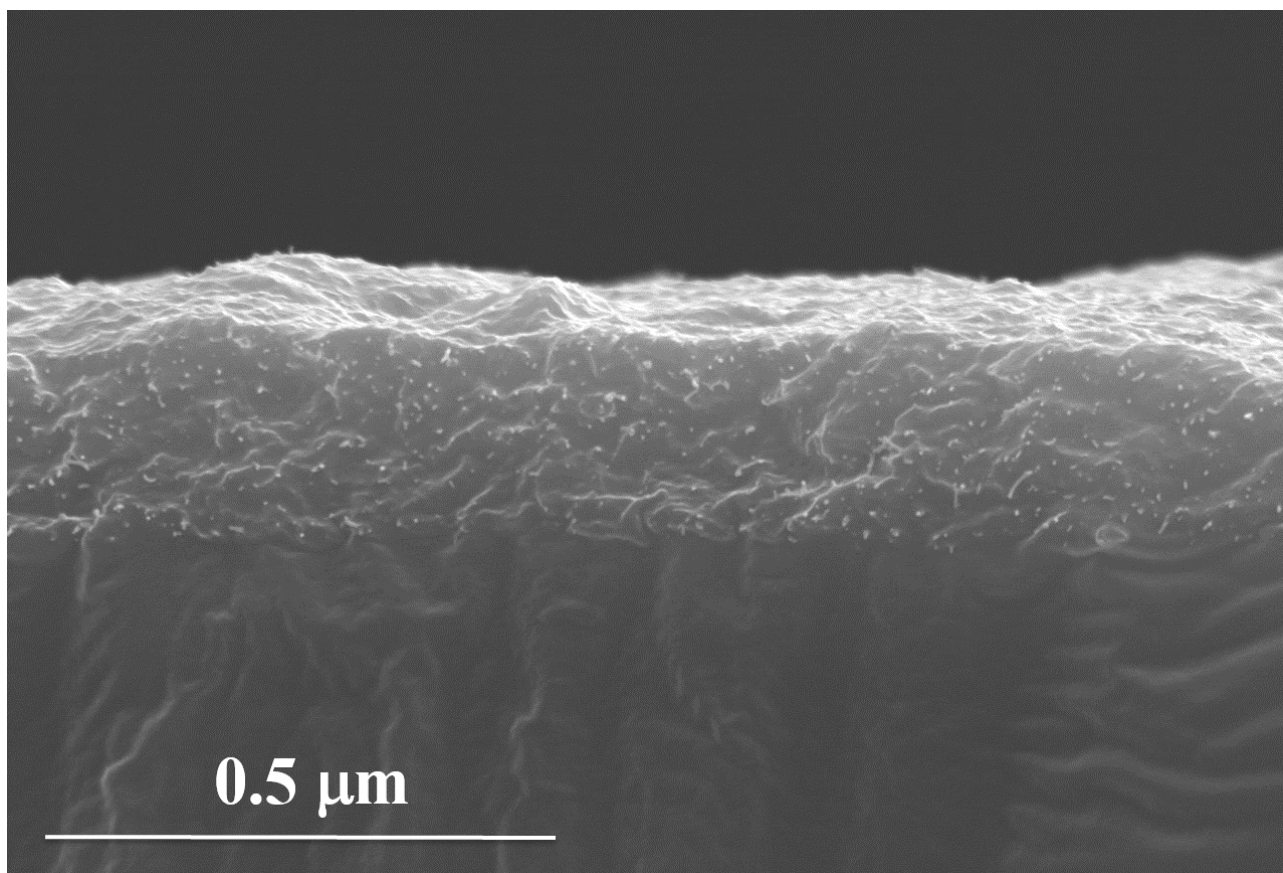


Figure S3. SEM images of higher magnification at the point of contact of the CNT film with the PDMS sheet

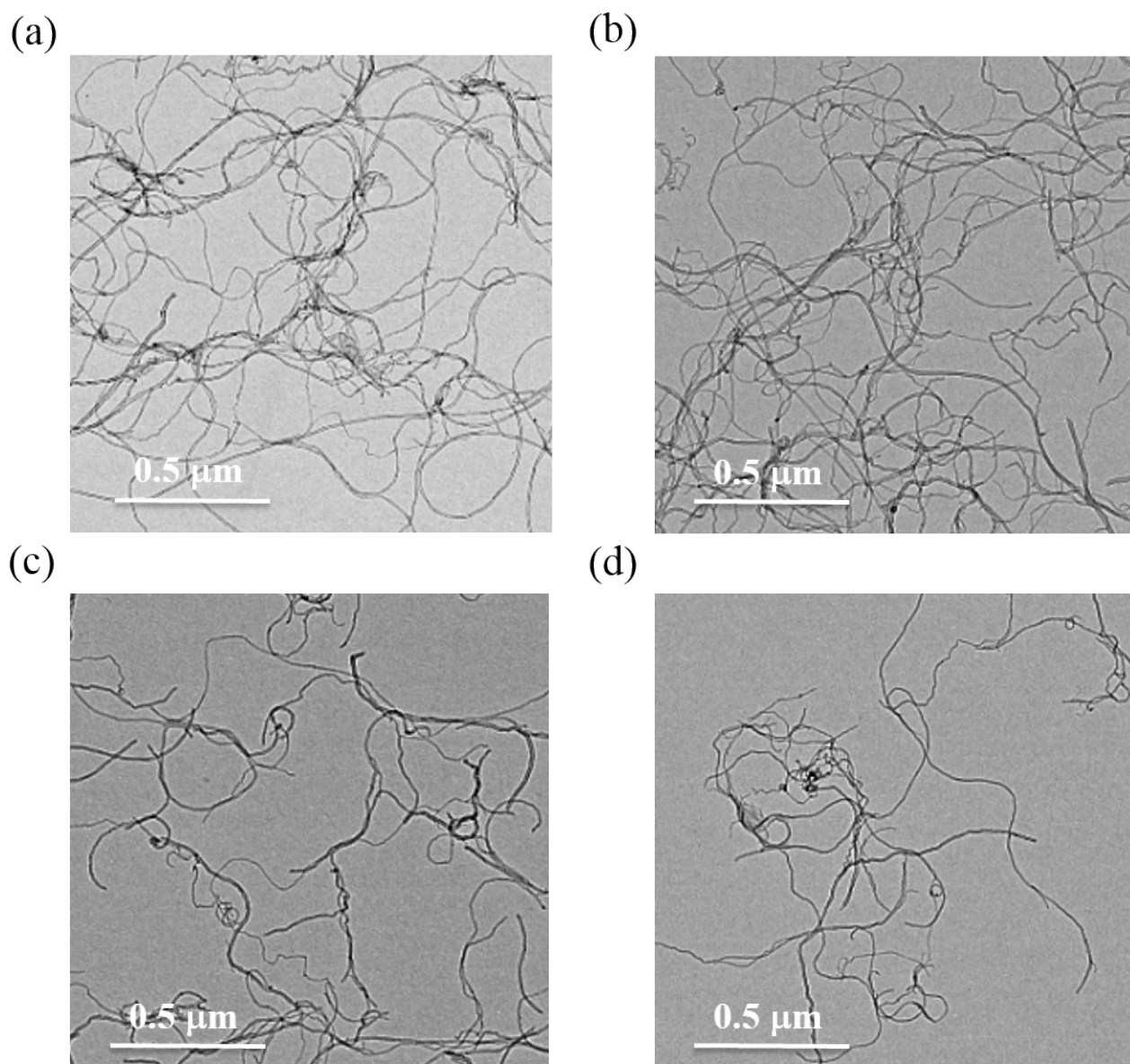


Figure S4. TEM images of CNTs after sonication for (a) 0h, (b) 1h, (c) 3h, and (d) 5h