polymers

MDPI

Electronic Supporting Information

PDMS/Ag/Mxene/polyurethane conductive yarn as high reliable and stretchable strain sensor for human motion monitoring

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Table S1 Conductivity of different samples

Samples	Conductivity (ms/cm)
MXene/PU yarn (without pretreatment)	N.A.
MXene/PU yarn (with piranha solution treatment only)	47.6
MXene/PU yarn (with CTAB treatment only)	61.8
MXene/PU yarn (with all treatment)	112
Ag/MXene/PU yarn	441.3

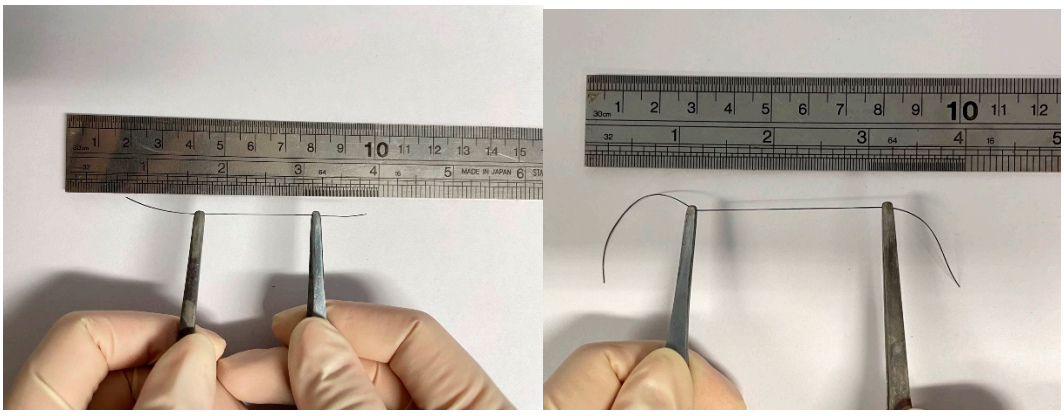


Figure S1 Optical image of prepared strain sensing yarn (left: before PDMS coating, right: after PDMS coating)

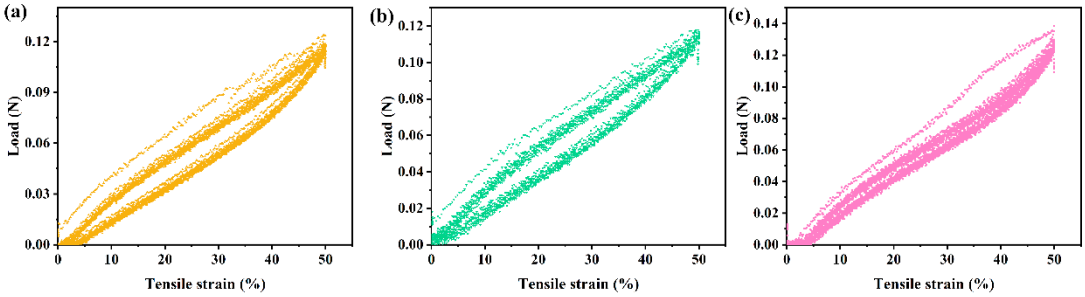


Figure S2 Stretching/releasing paths of different conductive yarns

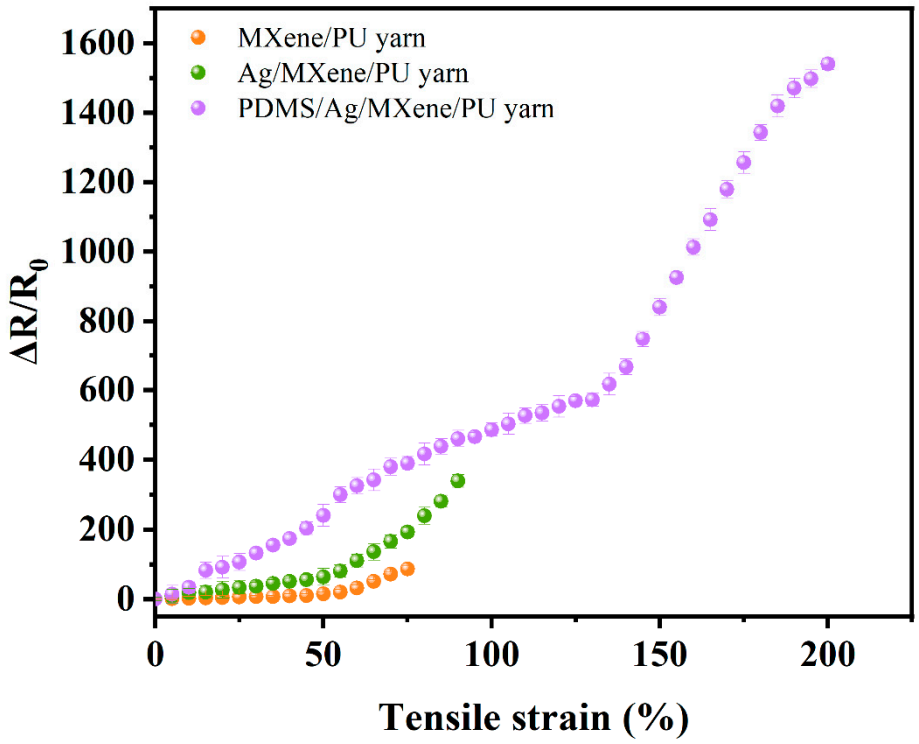


Figure S3 Relationship between variation of resistance and applied tensile strain