

Highly conductive, biocompatible and stretchable sputtered Pt electrode via island-bridge effect

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SUPPORTING INFORMATION

XPS analysis

Figure S1 shows XPS data for O1S peak.

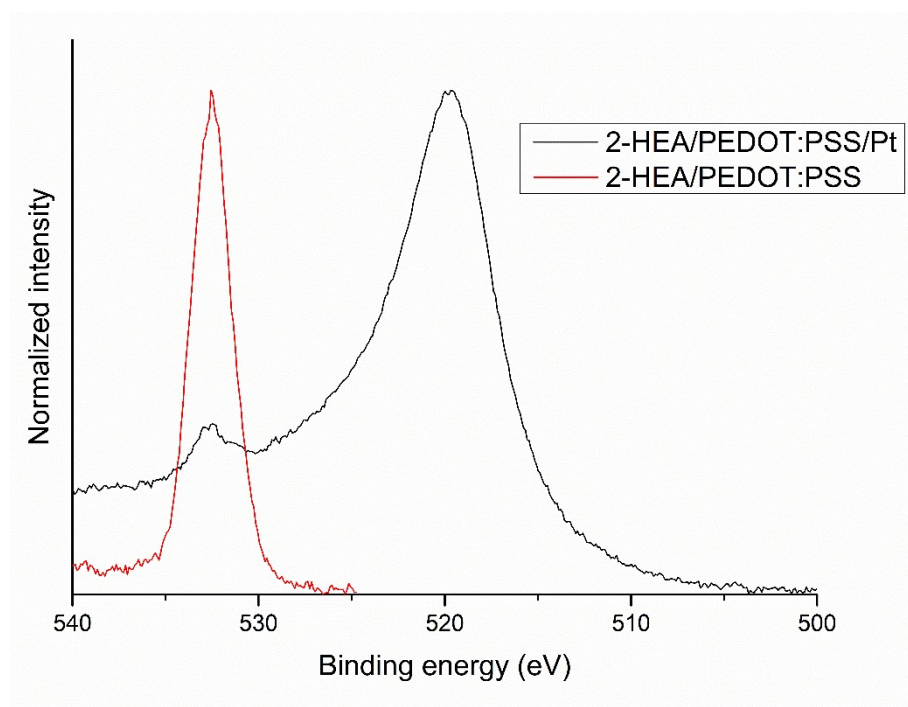


Figure S 1: XPS comparison of the O1S peak between 2-HEA/PEDOT:PSS/Pt electrode and 2-HEA/PEDOT:PSS support.

Figure S2 shows the deconvolution of XPS data for Pt 4f peak

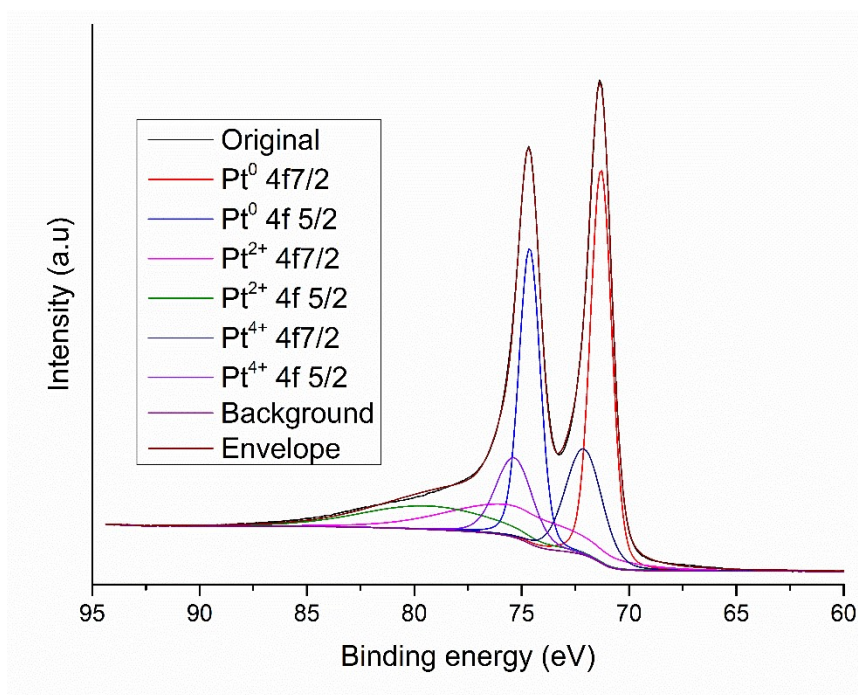


Figure S 2: Deconvolution of the Pt4f peak from XPS data

XRD analysis

XRD data is shown in Figure S3:

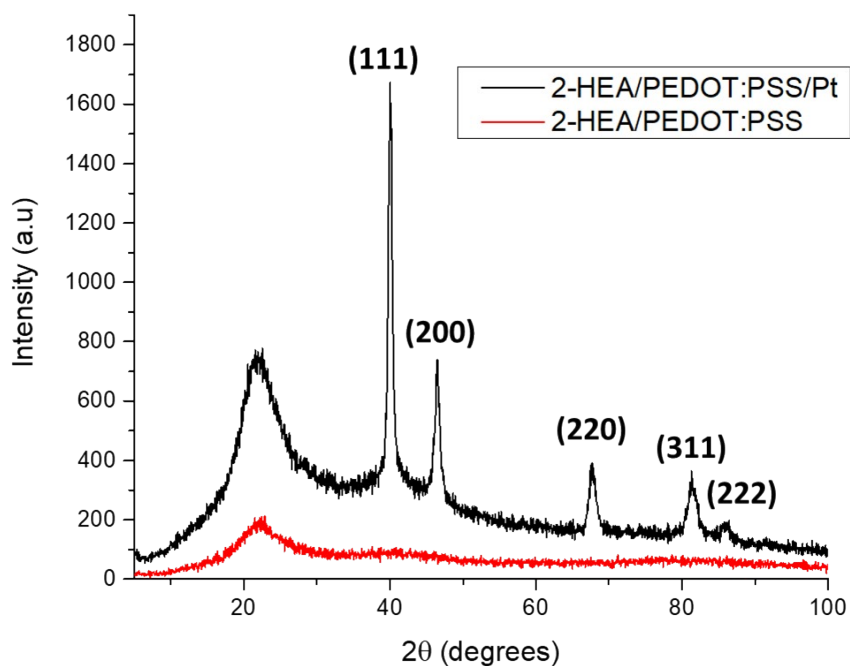


Figure S 3: XRD comparison of 2-HEA/PEDOT:PSS/Pt electrode and 2-HEA/PEDOT:PSS support

FTIR analysis

FTIR data is shown in Figure S4:

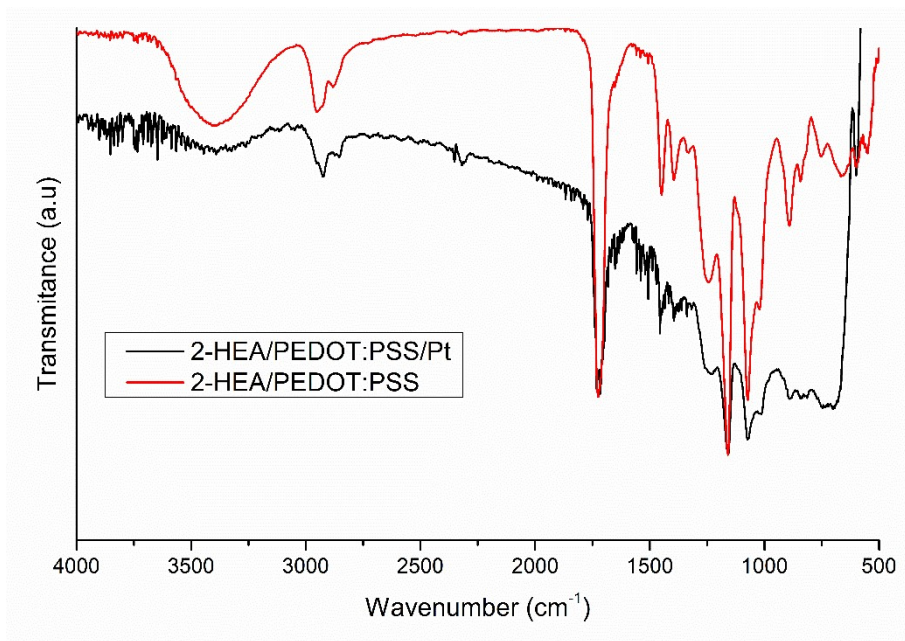


Figure S 4: FTIR comparison of 2-HEA/PEDOT:PSS/Pt electrode and 2-HEA/PEDOT:PSS support

Tensile cycles

Tensile cycles data is shown in Figure S5:

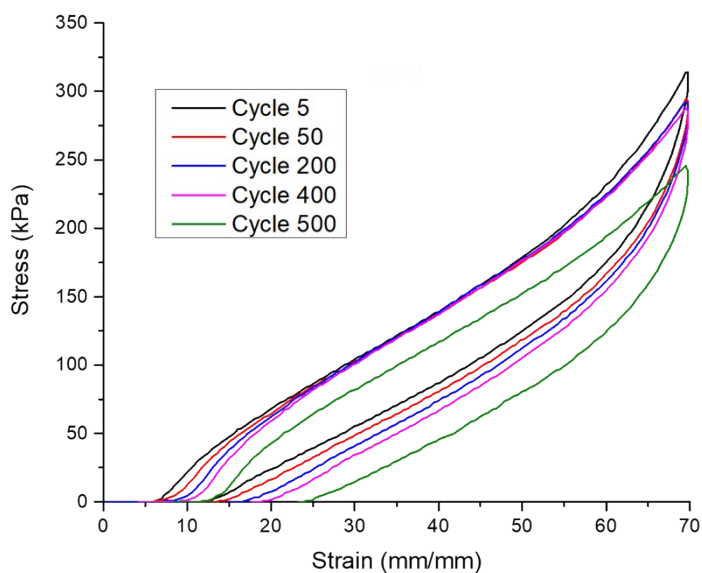


Figure S 5: Tensile stress–strain behavior of the 2-HEA/PEDOT:PSS/Pt electrode over multiple loading–unloading cycles.