

Influence of surface treatment on PEDOT coatings:

Surface and electrochemical corrosion aspects of newly developed Ti alloy

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Figure S1 Schematic representation of contact angle measurement in static and dynamic mode.

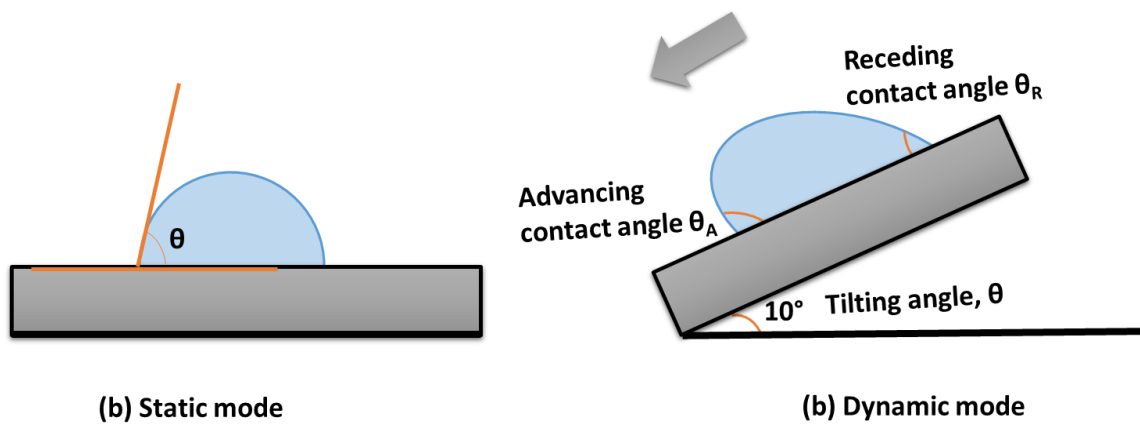


Figure S2 EDS results of (a) Untreated TNZ (b) ST1 (c)ST2 and (d) ST3 TNZ substrates

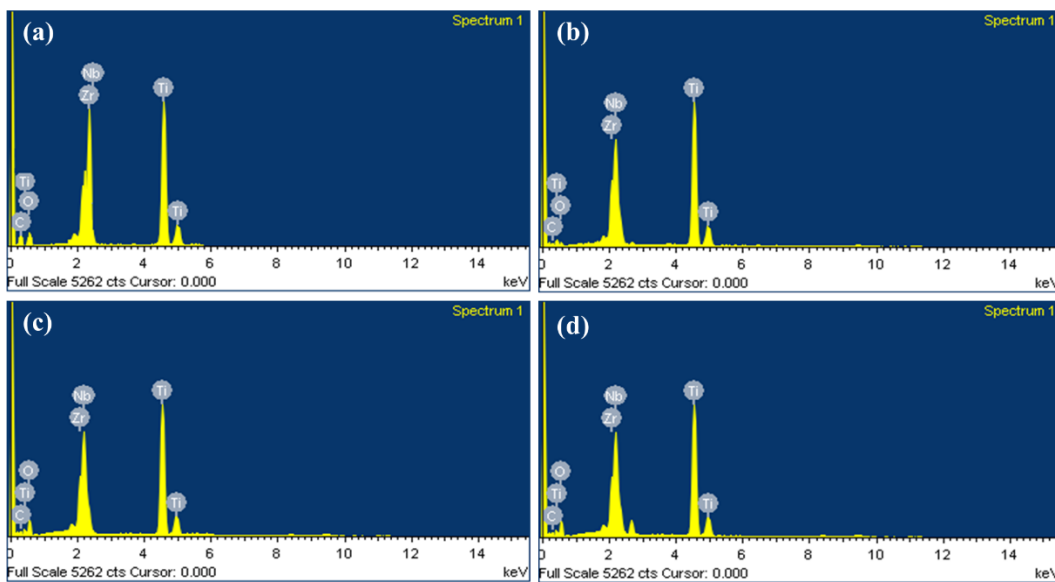


Figure S3 Dynamic contact angle results of (a) Untreated TNZ (b) ST1 (c)ST2 and (d) ST3 TNZ substrates

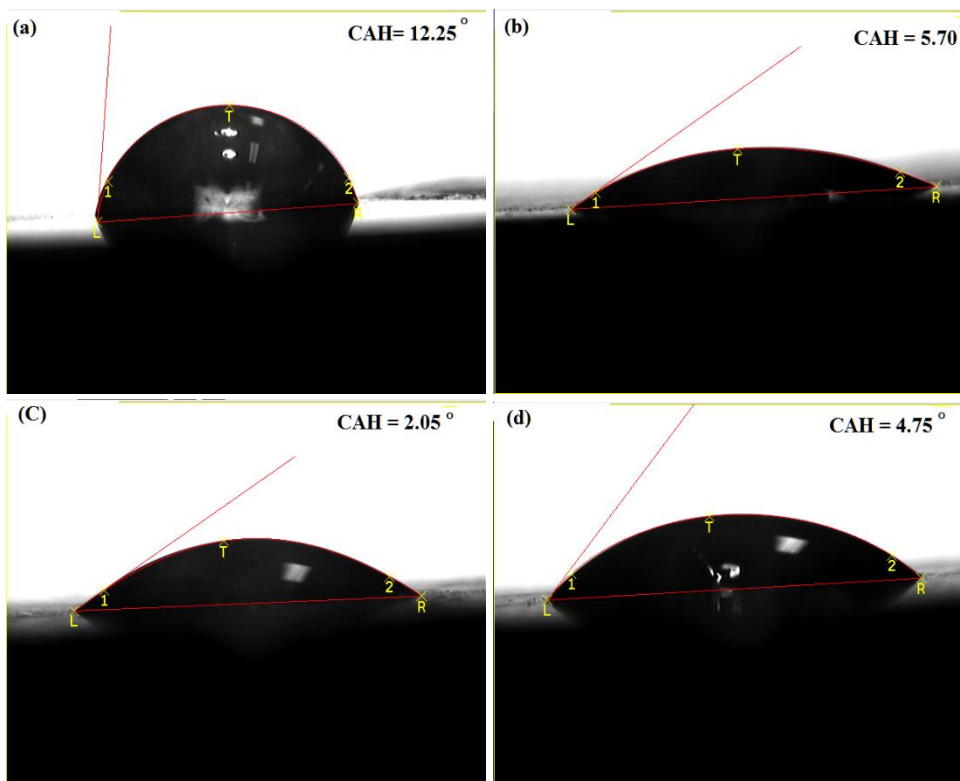


Figure S4 EDS results of (a) PEDOT/UT (b) PEDOT/ST1 (c)PEDOT/ST2 and (d) PEDOT/ST3 TNZ substrates

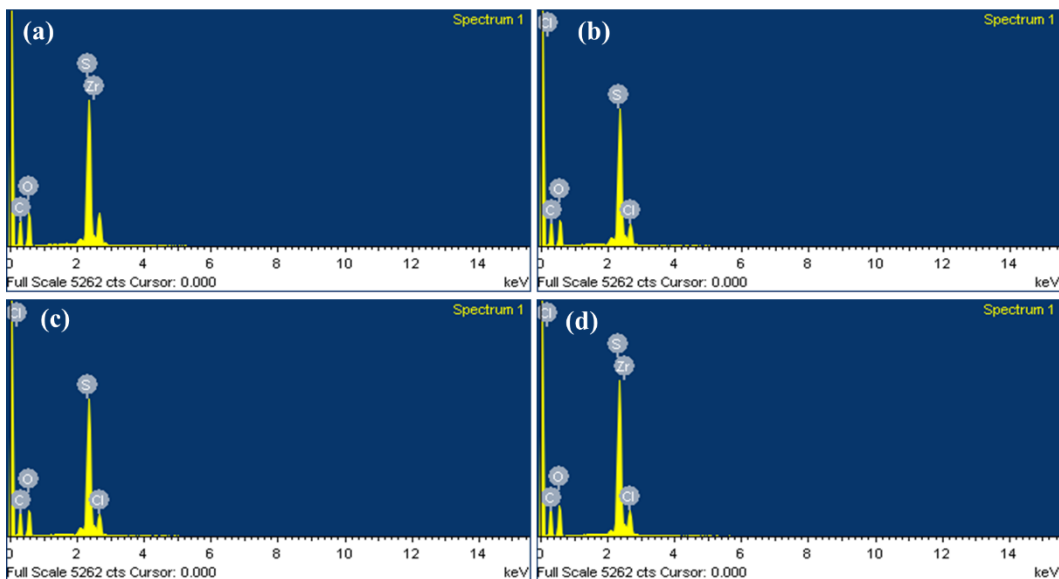
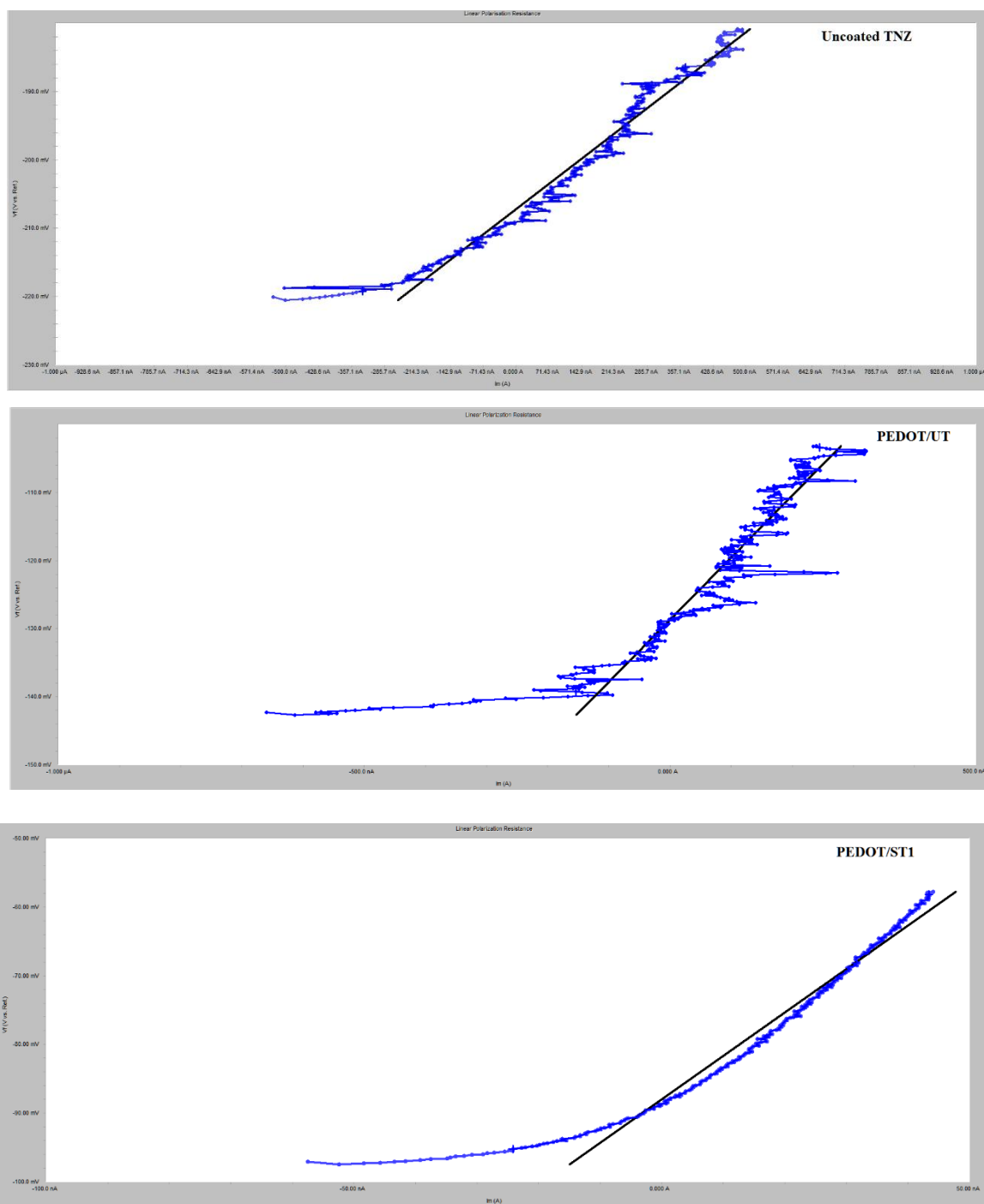


Figure S5 LPR cures of uncoated and coated TNZ substrates



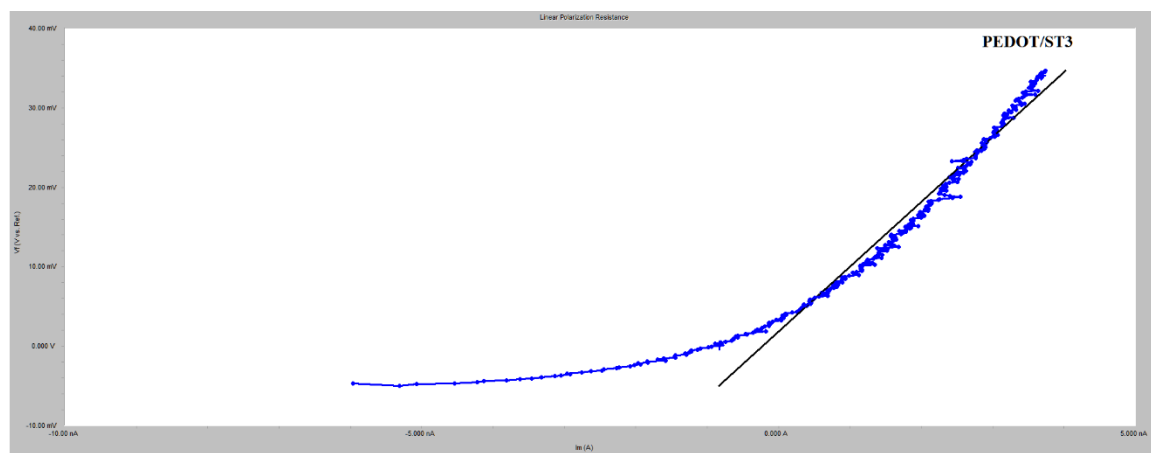
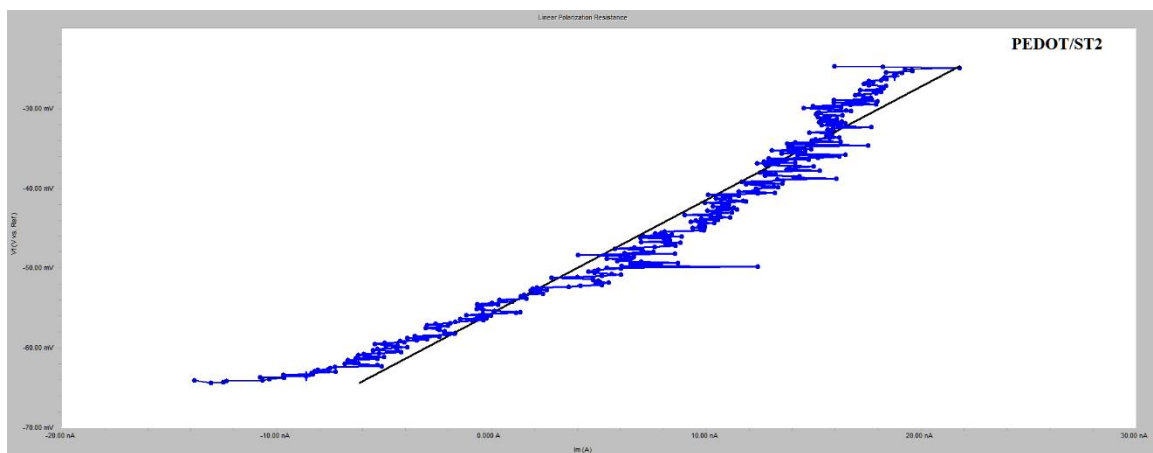


Figure S6 EIS circuits of uncoated and coated TNZ substrates

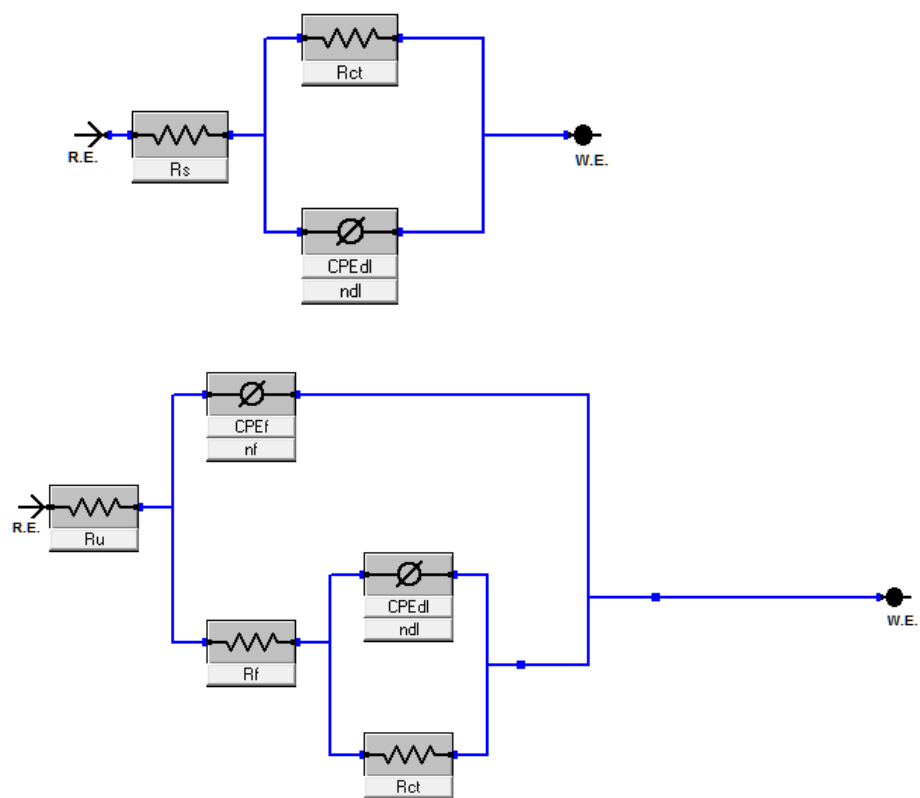


Figure S7 In vitro MG63 osteoblast Cell culture studies of PEDOT coatings on ST2 and ST3 TNZ substrates

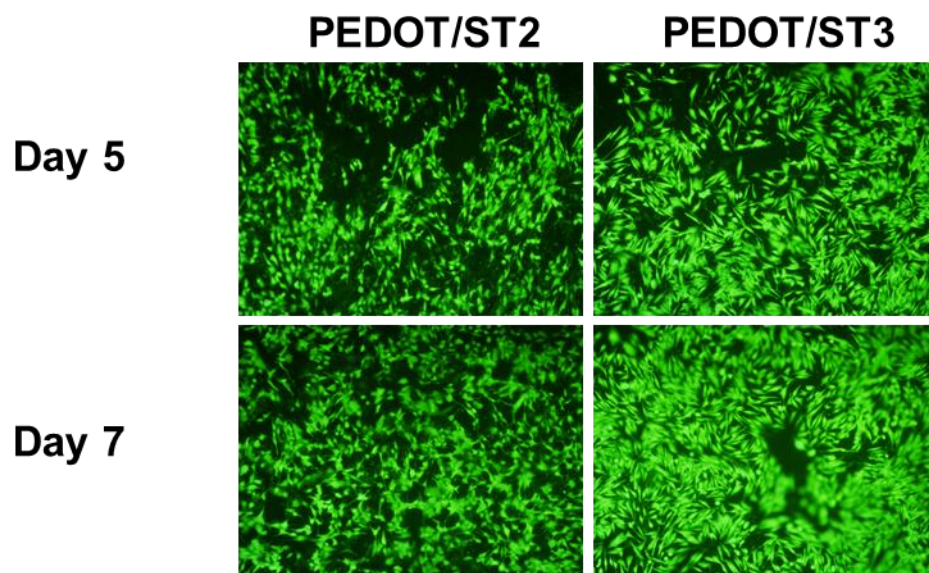


Figure S8 Contact angle images of (a) PEDOT/UT (b) PEDOT/ST1 (c) PEDOT/ST2 and (d) PEDOT/ST3

