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Supporting information

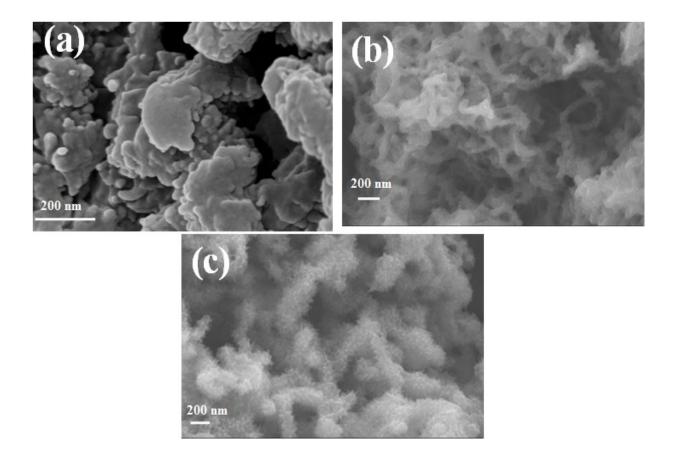


Figure 1 The SEM images of PANI (a) and c-PANI composites with W_r of 1:4 (b) and 1:8 (c)

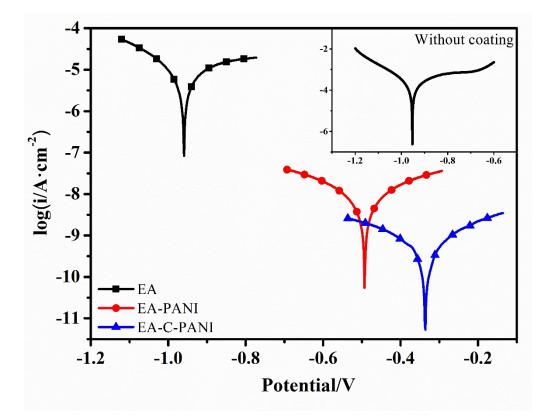


Figure 2 Tafel plots for (a) bare EA-coated, (b) PANI-coated, (c) CP-coated electrodes measured in 3.5 wt.% NaCl aqueous solution

Table 1 Electrochemical corrosion measurements of EA-coated PANI-coated and CP-coated in 3.5 wt.% NaCl aqueous solution

	E _{corr} /V	$I_{corr}/A \cdot cm^{-2}$
EA	-0.959	1.20×10 ⁻⁵
EA-PANI	-0.493	9.40×10 ⁻⁹
EA-C-PANI	-0.336	5.87×10 ⁻¹⁰