Supplementary Material for PCCP

Supporting Material

Adsorption and oxidation of ethanol on colloid-based Pt/C, PtRu/C and Pt_3Sn/C catalysts: *In-situ* FTIR spectroscopy and on-line DEMS studies

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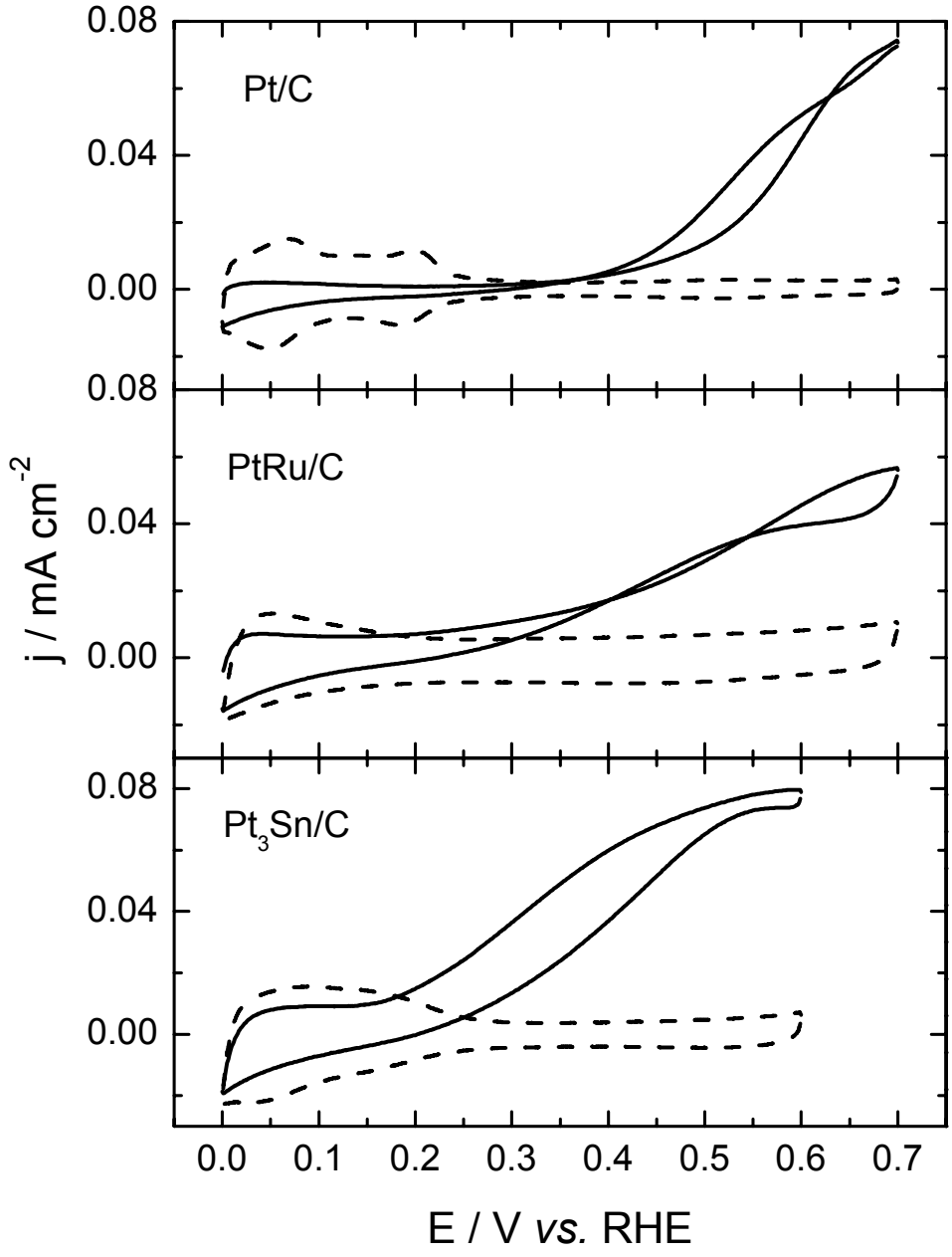

Fig. S1 Potentiodynamic ethanol electrooxidation on (a) Pt/C, (b) PtRu/C, and (c) Pt_3Sn/C catalysts in 0.1 M H_2SO_4 (---) and 0.1 M H_2SO_4 + 0.1 M C_2H_5OH (—) solution (scan rate 10 mV s^{-1}, catalyst loading: 86 μg cm^{-2}).

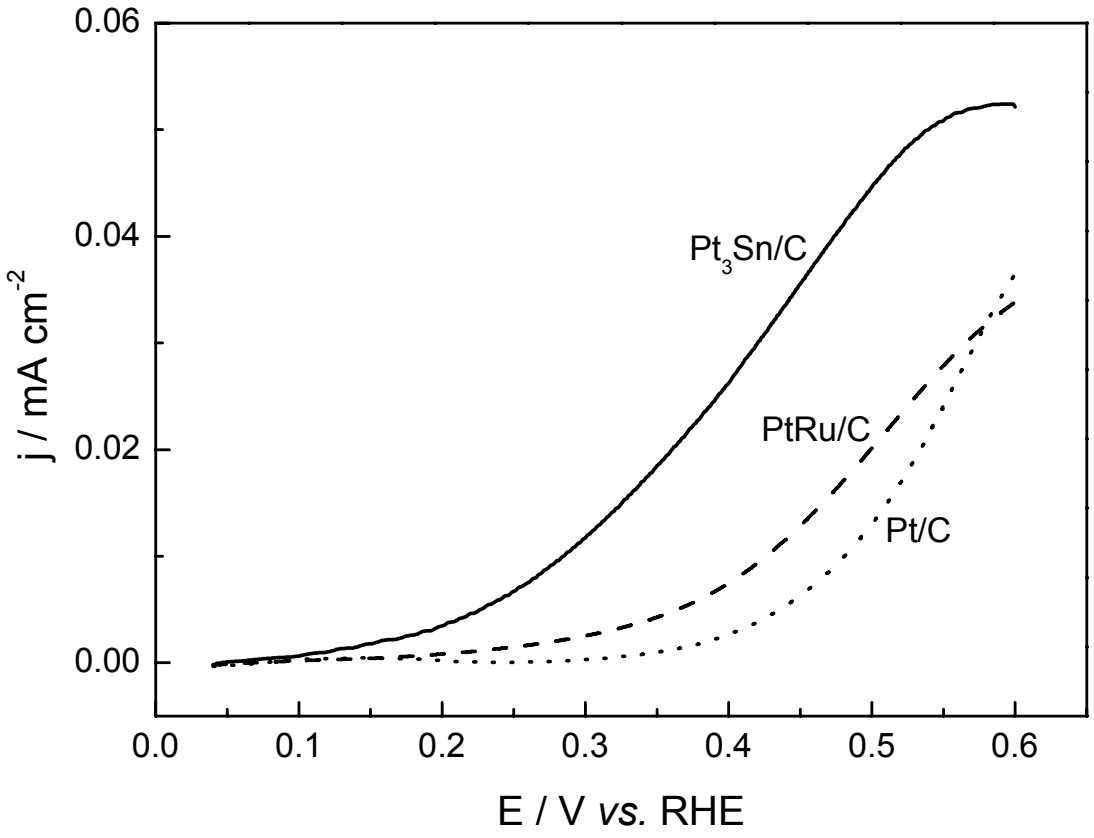

Fig. S2 Polarization curves for ethanol electrooxidation on (a) Pt/C, (b) PtRu/C, and (c) Pt_3Sn/C catalysts in 0.1 M H_2SO_4 + 0.1 M C_2H_5OH at a scan rate of 1 mV s^{-1} (catalyst loading: 86 μg cm^{-2}).

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