Supporting Information

Mechanistic Effects of Blending Formic Acid with Ethanol on Pd activity Towards Formic Acid Oxidation in Acidic Media

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Figure S1: CV curves for FA-0.5 fuel blends with different ethanol concentrations
Figure S2: CV curves for FA-1 fuel blends with different ethanol concentrations

Figure S3: CV curves for FA-2 fuel blends with different ethanol concentrations
Fig S4: (a) Curve deconvolution of 4M formic acid CV, (b) 1st derivative for the deconvoluted peaks and the cumulative curve fit
Figure S5: A comparison between the 1st and the 100th CV curves for Pd/C catalyst in 0.1 M H₂SO₄ using (a) 0.39, (b) 0.05, and (c) -0.3 V vs. MSE as the upper potential.
Figure S6: Chronopotentiometry curves of Pd/C (a) at 50 A/g\(_{\text{Pd}}\) measured in 0.1 M H\(_2\)SO\(_4\) + 4 M FA in presence and absence of different concentrations of EtOH.