Supporting Material

Figure S1. TEM and selected area electron diffraction of (A, B) Pt/C, (D, E) $Pt_{80}Ru_{20}$/C, and (G, H) $Pt_{60}Ru_{40}$/C electrocatalysts.

Table S1. Particle size obtained by the Scherrer equation.

Sample	Tamanho do cristalito (nm)
Pt/C	3.2
$Pt_{80\%}Ru_{20\%}$/C	3.4
$Pt_{60\%}Ru_{40\%}$/C	2.3